REPORT OF SOIL VAPOR EXTRACTION CONFIRMATION SAMPLING AND ANALYSIS

MILLS GAP ROAD GROUNDWATER CONTAMINATION SITE

235 Mills Gap Road
Asheville, Buncombe County, North Carolina
EPA ID: NCD003149556
CERCLA Docket No. CER-04-2004-3755

Prepared for:

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AMEC Project 6690-03-9450

May 5, 2014

May 5, 2014

Ms. Samantha Urquhart-Foster
Superfund Remedial and Site Evaluation Branch
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Subject: **Report of Soil Vapor Extraction Confirmation and Analysis**
Mills Gap Road Groundwater Contamination Site
235 Mills Gap Road, Asheville, Buncombe County, North Carolina
AMEC Project 6690-03-9450
EPA ID: NCD003149556
CERCLA Docket No. CER-04-2004-3755

Dear Ms. Urquhart-Foster:

Please find attached the Report of Soil Vapor Extraction Confirmation and Analysis for the above-referenced Site. AMEC Environment & Infrastructure, Inc. prepared this Report on behalf of CTS Corporation pursuant to an Administrative Settlement and Order on Consent for Remedial Investigation/Feasibility Study (effective date of January 26, 2012; 2012 AOC) with the United States Environmental Protection Agency Region 4. Section 1.3.1 of the 2012 AOC Statement of Work requires CTS Corporation to implement Oneida Total Integrated Enterprise's SVE Confirmation Sampling and Analysis Plan, Revision 7, dated January 12, 2012. This work was performed under the 2004 AOC to satisfy Section 1.3.1 of the 2012 AOC Statement of Work, and was performed concurrently with the Non-aqueous Phase Liquid Investigation conducted pursuant to the 2012 AOC.

If you have questions regarding this Report, please contact us at (828) 252-8130.

Sincerely,

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LIST OF ACRONYMS

AMEC	AMEC Environment & Infrastructure, Inc.
bgs	below ground surface
CSAP	Confirmation Sampling and Analysis Plan
DPT	direct-push technology
ECD	electron capture device
IDW	investigative derived waste
MDL	method detection limit
MGRA	Mills Gap Road Associates
MiHPT	membrane interface probe/hydraulic profiling tool
MIP	membrane interface probe
NAPL	non-aqueous phase liquid
OTIE	Oneida Total Integrated Enterprises
PAH	polycyclic aromatic hydrocarbon
PID	photoionization detector
QAPP	Quality Assurance Project Plan
QC	quality assurance
SIM	selective ion monitoring
SVE	soil vapor extraction
SVOC	semivolatile organic compound
TCE	trichloroethene (also, trichloroethylene)
TCL	Target Compound List
TIC	tentatively identified compound
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound

EXECUTIVE SUMMARY

AMEC Environment & Infrastructure, Inc. (AMEC), on behalf of CTS Corporation, implemented confirmation sampling and analysis associated with a soil vapor extraction (SVE) system at the Mills Gap Road Groundwater Contamination Site (Site), located at 235 Mills Gap Road in Asheville, Buncombe County, North Carolina. In 2004, CTS Corporation and Mills Gap Road Associates, the owner of the Site and together as the Respondents, entered into an Administrative Order on Consent for Removal Action (2004 AOC) with the United States Environmental Protection Agency (USEPA). A SVE system was installed in 2006 to comply with removal action requirements. On September 16, 2010, the USEPA directed the Respondents to implement SVE confirmation soil sampling. In 2012, CTS Corporation entered into an Administrative Settlement and Order on Consent for Remedial Investigation/Feasibility Study (2012 AOC) with USEPA. Section 1.3.1 of the 2012 AOC Statement of Work requires CTS Corporation to implement Oneida Total Integrated Enterprise's (OTIE's) SVE Confirmation Sampling and Analysis Plan (CSAP), Revision 7, dated January 12, 2012. This work was performed under the 2004 AOC to satisfy Section 1.3.1 of the 2012 AOC Statement of Work, and was performed concurrently with the Non-aqueous Phase Liquid (NAPL) Investigation conducted pursuant to the 2012 AOC.

A SVE system operated at the Site from July of 2006 until July 2010. The objective of the SVE system was to remove identified organic compounds (primarily trichloroethene [TCE]) from the unsaturated zone in the identified source area. An estimated 6,473 pounds of volatile organic compounds (VOCs) were removed by the SVE system. From September 2009 to July 2010, less than one pound of VOCs per month was removed by the system, indicating that asymptotic removal conditions had been achieved.

The objective of the CSAP was to evaluate the effectiveness of the SVE system at removing VOCs from the unsaturated zone at the Site. The CSAP was implemented in general accordance with OTIE's CSAP. Field activities were conducted from November 4 through 21, 2013.

Record high precipitation during 2013 resulted in an elevated water table during implementation of the CSAP, relative to the elevation of the water table in 2004. The depth to water in the source area was approximately 7 to 15 feet below ground surface (bgs), indicating the water table was approximately 7 to 8 feet higher than in 2004. Based on the depth to water measurements in 2013, the water table is shallowest in the southwestern portion of the source area (i.e., in the vicinity of MW-2) and becomes deeper to the east/northeast (i.e., in the vicinity of PZ-2 and MW-3).

Direct sensing measurements and soil samples were collected from ground surface to 15 feet bgs. The electron capture device (ECD) responses are in general agreement with the analytical results (i.e., reported chlorinated VOC concentrations in soil are generally greater where there are elevated ECD responses).

With the exception of soil samples collected from borings SB-15, -16, -17, and -20, the analytical results of soil samples collected from ground surface to 10 feet bgs indicate TCE concentrations less than 100 micrograms per kilogram (μg/kg). TCE concentrations in the upper 10 feet of soil in the identified source area are below the USEPA's Regional Screening Level (RSL) for industrial soil of 2,000 μg/kg. Additionally, analytical results of

soil samples collected during a 2010 investigation, which was implemented under the direction of the North Carolina Department of Environment and Natural Resources, indicated TCE concentrations less than 100 μg/kg in the upper 10 feet of soil in the identified source area.

Comparison of TCE concentrations in pre-removal vadose zone soil samples to post-removal CSAP soil samples indicates an average TCE percent reduction of 95 percent. This percent reduction, along with the asymptotic recovery conditions observed during the final stages of the SVE system operational period, correlate with the successful removal of approximately 6,473 pounds of VOCs from the unsaturated soil zone by the SVE system.

The analytical results of soil samples collected from ground surface to 10 feet bgs indicate polycyclic aromatic hydrocarbon (PAH) concentrations are less than 100 μg/kg. These PAH concentrations are below their respective USEPA RSLs, where RSLs have been established.

The analytical results of the CSAP and 2010 post-removal soil samples, which were collected in the previously identified source area at the Site, indicate there is not a significant source of TCE or petroleum hydrocarbons in the unsaturated zone.

Based on the confirmation sampling and analysis results presented herein and the asymptotic VOC recovery of the SVE system during final operational stages, additional removal activities related to the unsaturated zone in the identified source area at the Site are not recommended.

1.0 INTRODUCTION

AMEC Environment & Infrastructure, Inc. (AMEC), on behalf of CTS Corporation, has prepared this Report of Soil Vapor Extraction Confirmation Sampling and Analysis (Report) for the Mills Gap Road Groundwater Contamination Site (Site), located at 235 Mills Gap Road in Asheville, Buncombe County, North Carolina (Figure 1).

In 2004, CTS Corporation and Mills Gap Road Associates (MGRA), the owner of the Site and together as the Respondents, entered into an Administrative Order on Consent for Removal Action (2004 AOC) with the United States Environmental Protection Agency (USEPA). A soil vapor extraction (SVE) system was installed in 2006 to comply with removal action requirements. On September 16, 2010, the USEPA directed the Respondents to implement SVE confirmation soil sampling. In 2012, CTS Corporation entered into an Administrative Settlement and Order on Consent for Remedial Investigation/Feasibility Study (2012 AOC) with USEPA. Section 1.3.1 of the 2012 AOC Statement of Work requires CTS to implement Oneida Total Integrated Enterprise's (OTIE's) SVE Confirmation Sampling and Analysis Plan (CSAP), Revision 7, dated January 12, 2012. The work described herein was performed under the 2004 AOC to satisfy Section 1.3.1 of the 2012 AOC Statement of Work, and was conducted concurrently with the Non-aqueous Phase Liquid (NAPL) Investigation conducted pursuant to the 2012 AOC.

This Report describes the activities that were undertaken to evaluate the effectiveness of the SVE system at removing volatile organic compounds (VOCs) from the unsaturated zone in the area of the former SVE system at the Site.

1.1 SITE DESCRIPTION

The Site is approximately nine acres on Mills Gap Road in Asheville, Buncombe County, North Carolina and includes the areal extent of the contamination associated with the Site. The approximate center of the Site is located at north latitude 35°29'36" and west longitude 82°30'25". The Site formerly contained an approximate 95,000-square foot, single-story brick and metal structure in the southern portion of the Site. The building was demolished in December 2011, and the concrete building pad remains intact. The

northeastern portion of the Site contains an asphalt-paved parking area, and asphalt-paved driveways are located parallel to the north (front) of the former building and southeast (rear) of the former building. A six-foot high chain-link fence surrounds the Site and a locked gate controls access to the Site from Mills Gap Road. The Site is unoccupied. The Site and adjacent property boundaries are illustrated in Figure 2.

1.2 SITE OPERATIONAL HISTORY

International Resistance Company owned and operated a manufacturing facility at the Site from 1952 until 1959, when CTS of Asheville, Inc. purchased the real property, building, and equipment. CTS of Asheville, Inc. manufactured electronic components at the facility from 1959 until April 1986. Arden Electroplating, Inc. leased a portion of the building from approximately December 1, 1985 until November 30, 1986, and the Site was conveyed to MGRA on December 23, 1987. MGRA reportedly leased portions of the facility to various tenants, and otherwise utilized the building for business interests. The Site has been vacant/unoccupied since the mid-1990s.

Electronic components utilized in automotive parts and hearing aids were manufactured at the Site until plant operations ceased in April 1986. Small electronic components were electroplated with tin, nickel, zinc, and silver as one step in the process. Wastes generated from the process included sludge containing heavy metals and solvents. Solvents, including trichloroethene (TCE) and acetone, were used in the process to clean and/or degrease metal objects prior to electroplating, and the spent solvents were disposed of accordingly. Disposal/recycling activities at the facility prior to 1959 are unknown. From 1959 to 1986, solvents and metals were reportedly reclaimed whenever possible. Between 1959 and 1980, metal-bearing rinse waters and alkaline cleaners that could not be reclaimed from the electroplating process were reportedly disposed of through the city sewer system, while concentrated metals and solvent wastes were placed in drums for off-site disposal/recycling. After 1980, all wastes were accumulated in drums on-site prior to off-site disposal or recycling.

1.3 PREVIOUS REMOVAL ACTIVITIES

Under the direction of the USEPA's Emergency Response and Removal Branch, and pursuant to the 2004 AOC, a Sampling and Analysis Plan (SAP) was implemented to determine the nature and extent of hazardous and petroleum constituent contamination within the unsaturated zone beneath the former plant building and adjacent area. Based on the results of the SAP and a SVE pilot study, a SVE system, consisting of 15 vapor extraction wells and blower equipment (Figure 3), began operation at the Site in July of 2006 and operated until July 2010. The objective of the SVE system was to remove identified organic compounds (primarily TCE) from the unsaturated zone in the identified source area. SVE discharge air samples were collected on a monthly basis and analyzed for VOCs.

Based on the analytical results of the discharge air samples, an estimated 6,473 pounds of VOCs were removed by the SVE system. From September 2009 to July 2010, less than one pound per month of VOCs was removed by the system, indicating that asymptotic removal conditions had been achieved.

1.4 OBJECTIVE OF THE CSAP

The objective of the CSAP is to evaluate the effectiveness of the SVE system at removing VOCs from the unsaturated zone at the Site. The CSAP includes collection of both qualitative and quantitative data to assess conditions in the unsaturated zone, primarily in the identified source area that was delineated based on soil samples collected during implementation of the SAP.

1.5 MODIFICATIONS TO THE CSAP

A NAPL Investigation commenced at the Site in September 2013. Data collected during implementation of the NAPL Investigation indicated that the water table in the area of the proposed CSAP boring locations was between approximately 7 and 15 feet below ground surface (bgs), which was higher than in previous years. In a letter dated November 13, 2013, the USEPA agreed that the elevated water table was considered a changed condition with regard to the CSAP and that soil and direct sensing borings could be

advanced to 15 feet bgs, instead of to 25 to 30 feet bgs as indicated in the CSAP, to investigate subsurface conditions in the unsaturated zone.

2.0 CSAP IMPLEMENTATION

The CSAP was implemented in general accordance with OTIE's CSAP, as described in the following sections. Field activities were conducted from November 4 through 21, 2013. A USEPA contractor representative accompanied AMEC during the investigation and sampling activities. A copy of the CSAP field log book, as well as pages from the NAPL Investigation log book that reference CSAP activities, are included in Appendix A.

2.1 DIRECT SENSING

Direct sensing equipment was advanced using direct-push technology (DPT) equipment at the 23 proposed boring locations described in the CSAP (Figure 4). A membrane interface probe (MIP), which provides real-time detection of VOCs, was advanced with the DPT equipment to 15 feet bgs at 12 of the proposed boring locations. The remaining 11 locations were co-located with NAPL Investigation borings. A combined MIP and hydraulic profiling tool probe (MiHPT) was advanced at the co-located borings until refusal with the MiHPT was encountered, which ranged between 30 and 51 feet bgs. For the purposes of this Report, the MiHPT data to a depth of 15 feet is presented and evaluated. Response tests were conducted prior to advancing the MIP/MiHPT at each location to establish that the probe was functioning correctly. Table 1 contains a summary of the MIP/MiHPT borings, and the MIP/MiHPT logs are provided in Appendix B.

2.2 SOIL SAMPLING

Soil borings were advanced using DPT equipment to a depth of 15 feet bgs adjacent to the 23 MIP/MiHPT borings. Soil cores were retrieved at five-foot intervals and scanned with a calibrated photoionization detector (PID) at approximate one-foot intervals. Soil samples were collected from the interval with the highest PID reading in each five-foot soil core. Where identical PID readings were measured or where no PID readings above background were measured in a five-foot soil core section, a soil sample was collected from the deepest one-foot interval of the soil core.

Soil samples to be submitted for analysis of VOCs were collected by inserting the sampling device directly into the soil core and transferring the sample to the sample

containers. Soil samples to be submitted for analysis of semivolatile organic compounds (SVOCs) were mixed in a decontaminated stainless steel bowl using a decontaminated stainless steel spoon. The mixed soil was then transferred to the sample container.

The soil samples were packed in ice-chilled coolers and delivered under chain-of-custody protocol to the laboratory by AMEC personnel. The samples were delivered to Pace Analytical Services, Inc. in Asheville, North Carolina, and couriered by laboratory personnel to Pace's laboratory in Huntersville, North Carolina, for analysis. The soil samples were submitted for analysis of the following:

- Target Compound List (TCL) VOCs according to USEPA Method 8260B, including tentatively identified compounds (TICs)
- TCL SVOCs according to USEPA Method 8270D, including TICs
- Polycyclic aromatic hydrocarbons (PAHs) according to USEPA Method 8270D SIM (selective ion monitoring)
- Percent moisture according to ASTM D2974-87

Table 2 contains a summary of the soil samples collected, as well as the associated quality assurance/quality control samples submitted to the laboratory. Soil boring logs are included in Appendix C.

2.3 DECONTAMINATION PROCEDURES

DPT equipment (e.g., drill rods, probe tips, etc.) was decontaminated with a solution of industrial detergent and potable water prior to each use. Soil sampling equipment was cleaned with a solution of industrial detergent and potable water, rinsed with distilled water, sprayed with isopropyl alcohol, dried, and then wrapped in aluminum foil until use.

Two rinsate samples were collected from the sampling equipment to evaluate the decontamination procedures. One sample (CTS-RB-01) was collected by pouring deionized water through the soil core sample liner and then through the decontaminated shoe from a drill rod, both of which come in direct contact with the soil. A second rinsate sample (CTS-RB-02) was collected by pouring deionized water over a decontaminated spoon and bowl that were used to mix soil samples. The rinsate samples were submitted for analysis of the following:

- TCL VOCs according to USEPA Method 8260B, including TICs
- TCL SVOCs according to USEPA Method 8270D, including TICs
- PAHs according to USEPA Method 8270D SIM

2.4 INVESTIGATIVE DERIVED WASTE

Investigative derived waste (IDW) was containerized with the NAPL Investigation IDW. IDW, including soil cuttings and decontamination water, was containerized in 55-gallon drums and labeled for accumulation at the Site. Liquid IDW was accumulated separately from soil IDW and each drum was labeled as to the drum's contents and date sealed. Excess soil was removed from sampling materials, such as plastic and gloves, and the sampling material was then collected in plastic bags and removed from the Site for disposal in a permitted, municipal solid waste landfill. The waste disposal manifest for drums containing CSAP IDW is included as Appendix D.

3.0 DIRECT SENSING RESULTS

The MIP/MiHPT data include four logs: soil electrical conductivity (EC), electron capture device (ECD), PID (Note: the PID on the MiHPT has a different lamp/bulb than the hand-held PID used to scan soil samples. Therefore, different types of VOCs are detected.), and a flame ionization detector (FID). The detectors generally respond to different groups of compounds: the ECD responds to chlorinated VOCs, such as TCE; the PID responds to primarily to aromatic compounds, such as benzene; and the FID primarily responds to straight-chain hydrocarbons, such as methane.

The EC responses are generally less than 20 milliSiemens per meter (mS/m) indicating that the soil consists of coarser-grained materials, such as sand. In borings where silty fill material was encountered, the EC responses were greater than 20 mS/m. The PID and FID detectors were generally unresponsive, as contaminants detected by them are not encountered at high concentrations in the unsaturated zone investigated at the Site.

The ECD background response was generally around $1x10^5$ microvolts (μV). From ground surface to 10 feet bgs, the ECD response was generally less than $5x10^5$ μV, indicating low chlorinated VOC concentrations, where present. ECD responses increased from 10 to 15 feet bgs in about 60 percent of the borings. The maximum ECD responses from 10 to 15 feet bgs were observed in borings located in the south-central/southwestern portion of the source area.

4.0 LABORATORY ANALYTICAL RESULTS

The following sections describe the laboratory analytical results of the submitted samples, as well as the results of the data validation and usability.

4.1 LABORATORY ANALYTICAL RESULTS

A total of 69 soil samples were collected during implementation of the CSAP, as well as 11 quality control samples (e.g., rinsate samples, field duplicates, and trip blanks). Tables 3 through 5 summarize the analytical results of the soil samples and the laboratory analytical reports are included in Appendix E.

4.1.1 VOCs

Concentrations of 19 USEPA Method 8260 TCL VOCs were detected above the method detection limit (MDL) in the soil samples. The analytical results indicate that 61 identifiable EPA Method 8260 TICs were identified in the soil samples. TICs are compounds observed in the laboratory analysis, but are not on the USEPA's TCL. The reported identifiable TICs are related to petroleum hydrocarbons.

TCE was detected in 46 of the soil samples at concentrations ranging from an estimated concentration of 2.6 micrograms per kilogram (μg/kg) in CTSCSS-SB-208-4-5 to 47,400 μg/kg in CTSCSS-SB-207-13-14. The remaining detected compounds are chlorinated VOCs (e.g., 1,1,1-trichloroethane and tetrachloroethene), chlorinated VOC breakdown products (e.g., cis-1,2-dichloroethane), or compounds related to petroleum hydrocarbons (e.g., benzene, toluene, etc.). The TCE analytical results are depicted in Figure 5.

4.1.2 SVOCs

A concentration of one USEPA Method 8270 TCL SVOC was detected above the MDL in the soil samples. The analyte 4,6-Dinitro-2-methylphenol was detected at an estimated concentration of 679 μg/kg in soil sample CTS-SB-23-0-1. The analytical results indicate that 31 identifiable USEPA Method 8270 TICs were identified in the soil samples. The reported identifiable TICs are related to petroleum hydrocarbons.

4.1.3 PAHs

Concentrations of 18 USEPA Method 8270 SIM PAHs were detected above the MDL in the soil samples. Concentrations of one or more PAH compound above the MDL were detected in 22 of the field samples. Where detected above the MDL, concentrations of total PAHs ranged from an estimated concentration of 0.93 μg/kg to 66,351 μg/kg. However, the majority of total PAH concentrations (i.e., 17 of the 22 samples with detectable PAH concentrations) were less than 500 μg/kg.

4.1.4 Moisture Content

The reported moisture content of the soil samples ranged from 8.5 percent to 26.1 percent and generally increased with depth.

4.2 DATA VALIDATION AND USABILITY

Analytical data generated at the off-site laboratory were validated prior to use in the evaluation presented in this report. Validation was completed using project objectives described in the Quality Assurance Project Plan (QAPP) prepared for the NAPL Investigation (AMEC, 2012) and USEPA Region 4 guidelines (USEPA, 2008). A summary of the data validation process and findings is presented in Appendix F.

In accordance with the validation guidelines, a subset of results were qualified as estimated values due to quality control measurements that were outside precision and/or accuracy goals specified in the QAPP or validation guidelines. In these cases, the results are determined to be useable as estimated values. The reasons for data qualification are discussed in Appendix F, and interpretations on data usability are provided in the following subsections.

Data users should consider the following data interpretations when using laboratory data to develop an assessment of Site conditions or completing other assessments with the chemical data.

4.2.1 VOCs

- Acetone may be reported in samples as false positive detections due to field or laboratory contamination.
- A subset of VOC results are qualified as estimated values due to calibration response, internal standard response, or spike recovery results. A summary of qualified results is provided in Table F.4. The uncertainty regarding the estimated values is interpreted to be fairly low for the VOC results. In general, results will be within two times the detected concentration or the reporting limit values reported by the laboratory.
- VOC results in samples CTS-SB-19-14-15 and CTS-SB-24-14-15 are considered estimated due to low surrogate recoveries. In general, results will be within two times the detected concentration or the reporting limit values reported by the laboratory.

4.2.2 SVOCs

The majority of SVOC results are qualified as estimated values due to calibration response, internal standard response, surrogate recovery, or spike recovery results. A summary of qualified results is provided in Table F.4. Project accuracy limits for base-neutral (70-130 percent) and acid fraction (40-160 percent) were used to evaluate accuracy during validation. These limits are narrower than the statistical limits provided by the laboratory and represent a goal for a high level of accuracy for the SVOC method.

- In most cases, base-neutral compound recoveries for estimated results were greater than 50 percent and within the laboratory control limits. The majority of these compounds were not detected in the analyzed samples and reporting limits in associated samples were qualified as estimated values. Reporting limits and detected concentrations for qualified compounds are potentially biased low. The uncertainty regarding the estimated values is interpreted to be fairly low for these results. In general, results will fall within two times the detected concentration or the reporting limit values reported by the laboratory.
- In most cases, acid fraction compound (phenols) recoveries were greater than 30 percent and within the laboratory control limits. The majority of these compounds were not detected in the analyzed samples and reporting limits in associated samples were qualified as estimated values. Reporting limits and detected concentrations for qualified compounds are potentially biased low. The uncertainty regarding the estimated values is interpreted to be fairly low for these results. In general, results will fall within three times the detected concentration or the reporting limit values reported by the laboratory.

Results for benzaldehyde were qualified as rejected during validation due to very low recovery in the laboratory control samples. The results for this compound are not usable for contamination assessments.

4.2.3 PAHs

The majority of PAH SIM results are qualified as estimated values due to low surrogate recovery or matrix spike recovery results. A summary of qualified results is provided in Table F.4. Project accuracy limits (70-130 percent) were used to evaluate accuracy during validation. These limits are narrower than the statistical limits provided by the laboratory and represent a goal for a high level of accuracy for the SVOC method.

- In most cases, PAH matrix spike recoveries were greater than 50 percent and within the laboratory control limits. The majority of these compounds were not detected in the analyzed samples and reporting limits in associated samples were qualified as estimated values. Reporting limits and detected concentrations for qualified compounds are biased low. The uncertainty regarding the estimated values is interpreted to be fairly low for these results. In general, results will fall within two times the detected concentration or the reporting limit values reported by the laboratory.
- In most cases, surrogate recoveries were greater than 30 percent and within the laboratory control limits. The majority of these compounds were not detected in the analyzed samples and reporting limits in associated samples were qualified as estimated values. Reporting limits and detected concentrations for qualified compounds are biased low. The uncertainty regarding the estimated values qualified due to low surrogate recovery is interpreted to within approximately three times the detected concentration or the reporting limit values reported by the laboratory.

4.2.4 Data Usability

The data set is considered to be greater than 99 percent complete with respect to the collected data. Therefore, the data are usable for completing the general objectives set forth in the CSAP.

5.0 DISCUSSION AND RECOMMENDATIONS

The following sections contain a discussion of results, as well as recommendations related to the results of implementation of the CSAP.

5.1 DISCUSSION OF RESULTS

The CSAP was implemented to evaluate the effectiveness of VOC removal in the unsaturated zone at the Site by the former SVE system. The VOC source area was delineated in 2004 based on the analytical results of soil samples collected above the water table, which was estimated at that time to be between 15 and 20 feet bgs. Record high precipitation during 2013 resulted in an elevated water table during implementation of the CSAP, relative to the elevation of the water table in 2004. The depth to the water table was measured in Site wells as part of the NAPL Investigation on September 23, 2013, as well as in the SVE wells on October 30, 2013. The depth to water in the source area was approximately 7 to 15 feet bgs, indicating the water table was approximately 7 to 8 feet higher than in 2004 (Table 6). Based on the depth to water measurements in 2013, the water table is shallowest in the southwestern portion of the source area (i.e., in the vicinity of MW-2) and becomes deeper to the east/northeast (i.e., in the vicinity of PZ-2 and MW-3).

Direct sensing measurements and soil samples were collected from ground surface to 15 feet bgs. The ECD responses are in general agreement with the analytical results (i.e., reported chlorinated VOC concentrations in soil are generally greater where there are elevated ECD responses).

Samples collected at depths from ground surface to 10 feet bgs are considered to be from the unsaturated zone. However, samples collected from 10 to 15 feet bgs, especially in the central and south/southwestern portion of the source area, are likely to be from saturated soil below the water table or within the capillary fringe of the water table. The purpose of the SVE system was not to remediate contaminated groundwater or saturated soils below the water table (USEPA, 1992). Contaminated groundwater in this area fluctuates and, along with the capillary fringe of the water table, can “re-contaminate”

previously remediated unsaturated soil, often referred to as the 'smear zone' (USEPA, 1995).

With the exception of soil samples collected from borings SB-15, -16, -17, and -20, the analytical results of soil samples collected from ground surface to 10 feet bgs indicate TCE concentrations less than 100 μg/kg. TCE concentrations greater than 100 μg/kg in soil samples collected from ground surface to 10 feet bgs in SB-16, -17, and -20, ranged from 307 to 1,010 μg/kg. Low ECD responses were also observed from ground surface to 10 feet bgs.

A TCE concentration of 14,800 μg/kg was reported for the soil sample collected from a depth of 4 to 5 feet bgs in boring SB-15. However, the MIP ECD response from 4 to 5 feet bgs was not elevated, as would be expected for an elevated TCE concentration. Soil boring SB-15 was advanced in the northwestern portion of the building, which is approximately 100 feet beyond the influence of the former SVE system. TCE concentrations in deeper soil samples collected from boring SB-15 were significantly lower (i.e., 34.7 μg/kg from 7 to 8 feet bgs, and 127 μg/kg from 11 to 12 feet bgs) than the concentration of TCE detected from a depth of 4 to 5 feet bgs. This detected concentration of TCE from a depth of 4 to 5 feet bgs appears to be an anomalously elevated detection as compared to field observations, field PID scanning, and direct sensing results.

The highest reported TCE concentrations were from soil samples collected from the 10 to 15 feet bgs interval, which is consistent with the samples being collected from within the capillary fringe and at/below the water table. The percent moisture results reflect higher moisture in deeper soil samples, indicative of the presence of the capillary fringe or water table. Soil samples collected at depths between 10 and 15 feet bgs from borings CSS-205, CSS-207, and SB-19, which are located in the south-central portion of the identified source area, contain TCE concentrations above 10,000 μg/kg. Similarly, the highest ECD responses were observed from 10 to 15 feet bgs, especially in the south-central/southwestern portion of the source area. The apparent water table depths from these borings, as detected during the direct sensing measurements collected during the NAPL Investigation, ranged from 8 to 10 feet bgs.

The analytical results of TCE in soil samples collected in 2001 by USEPA's contractor Lockheed Martin and in 2004 by AMEC at depths from ground surface to 15 feet bgs are depicted in Figure 6. CSAP soil samples were collected from the same area as several of the 2001/2004 soil samples. As shown in the table below, TCE concentrations in the CSAP samples are significantly less than in samples collected from a similar depth/location in 2001/2004. Because of the lack of 2001/2004 soil samples in the current unsaturated zone, post-removal action soil samples from within the apparent capillary fringe or near/below the current water table were used for comparison.

2001/2004 Boring (Sample Depth in feet bgs)	2001/2004 TCE Concentration (μg/kg)	CSAP Boring (Sample Depth in feet bgs)	CSAP TCE Concentration (μg/kg)	Percent Reduction
BH-1 (12.0 – 16.0)	280,000	CTSCSS-SB-205-14-15 (14 – 15)	19,400	93%
BH-12 (12.0 – 16.0)	110,000	CTS-SB-07-13-14 (13 – 14)	ND (MDL = 5.1)	>99.9%
BH-22B (12.5 – 13.5)	12,000	CTSCSS-SB-206-14-15 (14 – 15)	481	96%
BH-34B (12.0 – 13.5)	440,000	CTSCSS-SB-207-13-14 (13 – 14)	47,400	89%
ND = not detected above the method detection limit MDL = method detection limit			Prepared By: SEK 4/14/14 Checked By: MEW 4/23/14	

Although the CSAP soil samples presented in the table above were collected from within the current capillary fringe or at/below the water table, the average percent reduction associated with the above soil sample pairs is 95 percent. This percent reduction, along with the asymptotic recovery conditions observed during the final stages of the SVE system operational period, correlate with the successful removal of approximately 6,473 pounds of VOCs from the unsaturated soil zone present during operation of the SVE system.

With the exception of soil sample SB-15-4-5, TCE concentrations in the upper 10 feet of soil are below the USEPA's Regional Screening Level for industrial soil of 2,000 μg/kg (USEPA, 2013). The TCE concentration in SB-15 from 4 to 5 feet bgs appears anomalously elevated and isolated, as TCE concentrations in deeper soil samples

collected from boring SB-15 were significantly lower than the TCE concentration detected from the shallow sample. Additionally, analytical results of soil samples collected during a 2010 investigation implemented under the direction of the North Carolina Department of Environment and Natural Resources indicated TCE concentrations less than 100 μg/kg in the upper 10 feet of soil in the identified source area (AMEC, 2010).

The analytical results of soil samples collected from ground surface to 10 feet bgs indicate PAH concentrations less than 100 μg/kg. These PAH concentrations are below their respective USEPA RSLs, where RSLs have been established.

Based on the analytical results of the post-removal CSAP and 2010 soil samples, which were collected in the previously identified source area at the Site, there is not a significant source of TCE or petroleum hydrocarbons in the unsaturated zone.

5.2 RECOMMENDATIONS

Based on the confirmation sampling and analysis results presented herein, and the asymptotic VOC recovery of the SVE system during final operational stages, additional removal activities related to the unsaturated zone in the identified source area at the Site are not recommended.

6.0 REFERENCES

AMEC, 2010. Report of Phase IIA Remedial Investigation, Mills Gap Road Site, November 19, 2010.

AMEC, 2012. NAPL Investigation Work Plan (Revision 1) Appendix B Quality Assurance Project Plan, CTS of Asheville, Inc. Superfund Site, November 9, 2012.

USEPA, 1994. How to Evaluate Alternative Cleanup Technologies for Underground Storage Tank Sites: A Guide for Corrective Action Plan Reviewers (Chapter II: Soil Vapor Extraction), EPA 510-R-04-002.

USEPA, 1995. Light Nonaqueous Phase Liquids. USEPA Ground Water Issue Paper, EPA/540/S-95/500.

USEPA, 2008. Data Validation Standard Operating Procedures for Organic Analysis, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, Revision 3.1.

USEPA, 2013. Regional Screening Level (RSL) Summary Table (TR=1E-6, HQ=0.1), November 2013.

TABLES

TABLE 1
Summary of Direct Sensing Borings
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

Boring	Date	Co-located NAPL Boring
CTS-SB-13	11/4/2013	MHP-39
CTS-SB-01	11/4/2013	MHP-40
CTSCSS-SB-205	11/5/2013	MHP-41
CTS-SB-04	11/6/2013	MHP-42
CTS-SB-12	11/6/2013	MHP-43
CTSCSS-SB-204	11/7/2013	MHP-44
CTS-SB-11	11/8/2013	MHP-45
CTS-SB-17	11/9/2013	MHP-46
CTSCSS-SB-207	11/9/2013	MHP-47
CTS-SB-07	11/9/2013	MHP-48
CTSCSS-SB-208	11/10/2013	MHP-49
CTS-SB-23	11/11/2013	N/A
CTS-SB-22	11/11/2013	N/A
CTS-SB-20	11/11/2013	N/A
CTS-SB-21	11/11/2013	N/A
CTS-SB-18	11/11/2013	N/A
CTS-SB-16	11/11/2013	N/A
CTS-SB-15	11/11/2013	N/A
CTS-SB-14	11/11/2013	N/A
CTS-SB-19	11/11/2013	N/A
CTS-SB-25	11/11/2013	N/A
CTS-SB-24	11/12/2013	N/A
CTSCSS-SB-206	11/12/2013	N/A

Prepared By: SEK 4/14/14
Checked By: ELF 4/14/14

TABLE 2
Summary of Samples Collected
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

Sample ID	Date of Sample Collection	Associated Quality Control Samples
CTS-SB-21-1-2	11/12/2013	CTS-STB-01
CTS-SB-21-9-10	11/12/2013	CTS-STB-01
CTS-SB-21-14-15	11/12/2013	CTS-STB-01
CTSCSS-SB-207-3-4	11/12/2013	CTS-STB-01
CTSCSS-SB-207-6-7	11/12/2013	CTS-STB-01
CTSCSS-SB-207-13-14	11/12/2013	CTS-STB-01
CTS-SB-17-0-1	11/12/2013	CTS-STB-01
CTS-SB-17-9-10	11/12/2013	CTS-STB-01
CTS-SB-17-13-14	11/12/2013	CTS-STB-01
CTS-RB-01	11/13/2013	CTS-STB-02
CTS-RB-02	11/13/2013	CTS-STB-02
CTS-SB-19-2-3	11/13/2013	CTS-STB-02
CTS-SB-19-8-10	11/13/2013	CTS-STB-02
CTS-SB-19-14-15	11/13/2013	CTS-STB-02
CTS-SB-18-4-5	11/13/2013	CTS-STB-02
CTS-SB-18-5-6	11/13/2013	CTS-STB-02
CTS-SB-18-10-12	11/13/2013	CTS-STB-02; CTS-SB-501
CTS-SB-25-3-4	11/13/2013	CTS-STB-02
CTS-SB-25-9-10	11/13/2013	CTS-STB-02
CTS-SB-25-13-14	11/13/2013	CTS-STB-02
CTS-SB-24-3-4	11/18/2013	CTS-STB-03
CTS-SB-24-8-9	11/18/2013	CTS-STB-03
CTS-SB-24-14-15	11/18/2013	CTS-STB-03
CTS-SB-04-3-4	11/18/2013	CTS-STB-03
CTS-SB-04-6-7	11/18/2013	CTS-STB-03
CTS-SB-04-11-12	11/18/2013	CTS-STB-03, CTS-SB-502
CTSCSS-SB-206-4-5	11/18/2013	CTS-STB-03
CTSCSS-SB-206-8-10	11/18/2013	CTS-STB-03
CTSCSS-SB-206-14-15	11/18/2013	CTS-STB-03
CTS-SB-23-0-1	11/18/2013	CTS-STB-03
CTS-SB-23-9-10	11/18/2013	CTS-STB-03
CTS-SB-23-14-15	11/18/2013	CTS-STB-03
CTS-SB-13-2-3	11/19/2013	CTS-STB-04
CTS-SB-13-5-6	11/19/2013	CTS-STB-04
CTS-SB-13-10-11	11/19/2013	CTS-STB-04
CTS-SB-16-4-5	11/19/2013	CTS-STB-04
CTS-SB-16-7-8	11/19/2013	CTS-STB-04
CTS-SB-16-10-11	11/19/2013	CTS-STB-04
CTS-SB-01-4-5	11/19/2013	CTS-STB-04

TABLE 2
Summary of Samples Collected
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

Sample ID	Date of Sample Collection	Associated Quality Control Samples
CTS-SB-01-7-8	11/19/2013	CTS-STB-04
CTS-SB-01-11-12	11/19/2013	CTS-STB-04
CTS-SB-15-4-5	11/19/2013	CTS-STB-04
CTS-SB-15-7-8	11/19/2013	CTS-STB-04
CTS-SB-15-11-12	11/19/2013	CTS-STB-04
CTS-SB-14-3-4	11/19/2013	CTS-STB-04
CTS-SB-14-7-8	11/19/2013	CTS-STB-04
CTS-SB-14-10-11	11/19/2013	CTS-STB-04
CTS-SB-11-3-5	11/19/2013	CTS-STB-04
CTS-SB-11-7-8	11/19/2013	CTS-STB-04
CTS-SB-11-14-15	11/19/2013	CTS-STB-04, CTS-SB-503
CTS-SB-20-3-4	11/20/2013	CTS-STB-05
CTS-SB-20-9-10	11/20/2013	CTS-STB-05
CTS-SB-20-14-15	11/20/2013	CTS-STB-05
CTS-SB-22-4-5	11/20/2013	CTS-STB-05
CTS-SB-22-9-10	11/20/2013	CTS-STB-05
CTS-SB-22-12-13	11/20/2013	CTS-STB-05
CTS-SB-07-0-1	11/20/2013	CTS-STB-05
CTS-SB-07-9-10	11/20/2013	CTS-STB-05
CTS-SB-07-13-14	11/20/2013	CTS-STB-05
CTSCSS-SB-208-4-5	11/20/2013	CTS-STB-05
CTSCSS-SB-208-7-9	11/20/2013	CTS-STB-05
CTSCSS-SB-208-12-13	11/20/2013	CTS-STB-05
CTS-SB-12-2-3	11/20/2013	CTS-STB-05
CTS-SB-12-9-10	11/20/2013	CTS-STB-05
CTS-SB-12-14-15	11/20/2013	CTS-STB-05, CTS-SB-504
CTSCSS-SB-204-0-1	11/20/2013	CTS-STB-05
CTSCSS-SB-204-9-10	11/20/2013	CTS-STB-05
CTSCSS-SB-204-11-12	11/20/2013	CTS-STB-05
CTSCSS-SB-205-0-1	11/20/2013	CTS-STB-05
CTSCSS-SB-205-6-7	11/20/2013	CTS-STB-05
CTSCSS-SB-205-14-15	11/20/2013	CTS-STB-05

Notes:
"SB" = soil sample ("CTS-SB-XX-X-X" = boring number, depth interval in feet)
"RB" = rinsate blank sample
"STB" = soil trip blank sample
"SB-50X" = field duplicate sample

Prepared By: SEK 1/8/14
Checked By: ELF 2/27/14

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-01-4-5 11/19/2013			CTS-SB-01-7-8 11/19/2013			CTS-SB-01-11-12 11/19/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	5.1		U	4.6		U	5.4
1,4-Dioxane (p-Dioxane)		U	152		U	139		U	161
2-Butanone (MEK)	30.8	J	101	14.3	J	92.7		U	107
2-Hexanone	6.3	J	50.6		U	46.4		U	53.6
Acetone	130	J	101	80.3	J	92.7	76.4	J	107
Benzene		U	5.1		U	4.6		U	5.4
Chloroform		U	5.1		U	4.6		U	5.4
Cyclohexane		U	5.1		U	4.6		U	5.4
Ethylbenzene		U	5.1		U	4.6		U	5.4
Isopropylbenzene (Cumene)		U	5.1		U	4.6		U	5.4
Methyl acetate		U	10.1		U	9.3		U	10.7
Methylene Chloride		U	20.2		U	18.5		U	21.4
Tetrachloroethene		UJ	5.1		UJ	4.6		UJ	5.4
Toluene		U	5.1		U	4.6		U	5.4
Trichloroethene	34.9		5.1	75.3		4.6	2,630		532
cis-1,2-Dichloroethene		U	5.1		U	4.6	10.2		5.4
m&p-Xylene		U	10.1		U	9.3		U	10.7
o-Xylene		U	5.1		U	4.6		U	5.4

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-04-3-4 11/18/2013			CTS-SB-04-6-7 11/18/2013			CTS-SB-04-11-12 11/18/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	5.2		U	4.8		U	5.1
1,4-Dioxane (p-Dioxane)		U	156		U	145		U	154
2-Butanone (MEK)	21.4	J	104		U	96.6		U	103
2-Hexanone	6.9	J	51.8		U	48.3		U	51.3
Acetone	124	J	104	57.7	J	96.6	33.8	J	103
Benzene		U	5.2		U	4.8		U	5.1
Chloroform		U	5.2		U	4.8		U	5.1
Cyclohexane		U	5.2		U	4.8		U	5.1
Ethylbenzene		U	5.2		U	4.8		U	5.1
Isopropylbenzene (Cumene)		U	5.2		U	4.8		U	5.1
Methyl acetate		U	10.4		U	9.7		U	10.3
Methylene Chloride		U	20.7		U	19.3		U	20.5
Tetrachloroethene		U	5.2		U	4.8		U	5.1
Toluene		U	5.2		U	4.8		U	5.1
Trichloroethene	3.3	J	5.2		U	4.8	146	J	5.1
cis-1,2-Dichloroethene		U	5.2		U	4.8	3.5	J	5.1
m&p-Xylene		U	10.4		U	9.7		U	10.3
o-Xylene		U	5.2		U	4.8		U	5.1

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-07-0-1 11/20/2013			CTS-SB-07-9-10 11/20/2013			CTS-SB-07-13-14 11/20/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	5.2		U	6.1		U	5.1
1,4-Dioxane (p-Dioxane)		U	156		U	183		U	153
2-Butanone (MEK)		U	104		U	122		U	102
2-Hexanone		U	51.9		U	60.9		U	51.1
Acetone	81.6	J	104	439		122	55.7	J	102
Benzene		U	5.2		U	6.1		U	5.1
Chloroform		U	5.2		U	6.1		U	5.1
Cyclohexane		U	5.2		U	6.1		U	5.1
Ethylbenzene		U	5.2		U	6.1		U	5.1
Isopropylbenzene (Cumene)		U	5.2		U	6.1		U	5.1
Methyl acetate		U	10.4	15		12.2		U	10.2
Methylene Chloride		U	20.8		U	24.4		U	20.5
Tetrachloroethene		U	5.2		U	6.1		U	5.1
Toluene		U	5.2		U	6.1		U	5.1
Trichloroethene		U	5.2		U	6.1		U	5.1
cis-1,2-Dichloroethene		U	5.2		U	6.1		U	5.1
m&p-Xylene		U	10.4		U	12.2		U	10.2
o-Xylene		U	5.2		U	6.1		U	5.1

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-11-3-5 11/19/2013			CTS-SB-11-7-8 11/19/2013			CTS-SB-11-14-15 11/19/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	5.8		U	5.7		U	5.7
1,4-Dioxane (p-Dioxane)		U	174		U	170	187		171
2-Butanone (MEK)		U	116		U	113		U	114
2-Hexanone		U	58.1		U	56.6		U	57.1
Acetone	23.2	J	116		U	113	62.6	J	114
Benzene		U	5.8		U	5.7		U	5.7
Chloroform		U	5.8		U	5.7	2.3	J	5.7
Cyclohexane		U	5.8		U	5.7		U	5.7
Ethylbenzene		U	5.8		U	5.7		U	5.7
Isopropylbenzene (Cumene)		U	5.8		U	5.7		U	5.7
Methyl acetate		U	11.6		U	11.3		U	11.4
Methylene Chloride		U	23.3		U	22.7		U	22.8
Tetrachloroethene		UJ	5.8		U	5.7		U	5.7
Toluene		U	5.8		U	5.7		U	5.7
Trichloroethene	3.3	J	5.8	3.2	J	5.7	50.1		5.7
cis-1,2-Dichloroethene		U	5.8		U	5.7		U	5.7
m&p-Xylene		U	11.6		U	11.3		U	11.4
o-Xylene		U	5.8		U	5.7		U	5.7

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-12-2-3 11/20/2013			CTS-SB-12-9-10 11/20/2013			CTS-SB-12-14-15 11/20/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	4.9		U	5.5		U	136
1,4-Dioxane (p-Dioxane)		U	146		U	164		U	4,080
2-Butanone (MEK)		U	97.6	32.3	J	109		U	2,720
2-Hexanone		U	48.8		U	54.7		U	1,360
Acetone	128	J	97.6	219	J	109		U	2,720
Benzene		U	4.9		U	5.5		U	136
Chloroform		U	4.9		U	5.5		U	136
Cyclohexane		U	4.9		U	5.5		U	136
Ethylbenzene		U	4.9		U	5.5		U	136
Isopropylbenzene (Cumene)		U	4.9		U	5.5		U	136
Methyl acetate		U	9.8		U	10.9	410		272
Methylene Chloride		U	19.5		U	21.9		U	544
Tetrachloroethene		U	4.9		U	5.5		U	136
Toluene		U	4.9		U	5.5		U	136
Trichloroethene		U	4.9		U	5.5		U	136
cis-1,2-Dichloroethene		U	4.9		U	5.5		U	136
m&p-Xylene		U	9.8		U	10.9		U	272
o-Xylene		U	4.9		U	5.5		U	136

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-13-2-3 11/19/2013			CTS-SB-13-5-6 11/19/2013			CTS-SB-13-10-11 11/19/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	5.4		U	4.9		U	5.4
1,4-Dioxane (p-Dioxane)		U	161		U	146		U	162
2-Butanone (MEK)		U	107		U	97.2		U	108
2-Hexanone		U	53.6		U	48.6		U	54.1
Acetone	46.5	J	107	29.5	J	97.2	22.1	J	108
Benzene		U	5.4		U	4.9		U	5.4
Chloroform		U	5.4		U	4.9		U	5.4
Cyclohexane		U	5.4		U	4.9		U	5.4
Ethylbenzene		U	5.4		U	4.9		U	5.4
Isopropylbenzene (Cumene)		U	5.4		U	4.9		U	5.4
Methyl acetate		U	10.7		U	9.7		U	10.8
Methylene Chloride		U	21.4		U	19.4		U	21.6
Tetrachloroethene		UJ	5.4		UJ	4.9		UJ	5.4
Toluene		U	5.4		U	4.9		U	5.4
Trichloroethene	17.3		5.4		U	4.9	3.3	J	5.4
cis-1,2-Dichloroethene		U	5.4		U	4.9		U	5.4
m&p-Xylene		U	10.7		U	9.7		U	10.8
o-Xylene		U	5.4		U	4.9		U	5.4

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-14-3-4 11/19/2013			CTS-SB-14-7-8 11/19/2013			CTS-SB-14-10-11 11/19/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	4.9		U	5.3		U	5.3
1,4-Dioxane (p-Dioxane)		U	146		U	158		U	158
2-Butanone (MEK)		U	97.5		U	105		U	105
2-Hexanone		U	48.8		U	52.7		U	52.6
Acetone	72.0	J	97.5	30.5	J	105	49.8	J	105
Benzene		U	4.9		U	5.3		U	5.3
Chloroform		U	4.9		U	5.3		U	5.3
Cyclohexane		U	4.9		U	5.3		U	5.3
Ethylbenzene		U	4.9		U	5.3		U	5.3
Isopropylbenzene (Cumene)		U	4.9		U	5.3		U	5.3
Methyl acetate		U	9.8		U	10.5		U	10.5
Methylene Chloride		U	19.5		U	21.1		U	21.0
Tetrachloroethene		UJ	4.9		UJ	5.3		U	5.3
Toluene		U	4.9		U	5.3		U	5.3
Trichloroethene	52.0		4.9	7.3		5.3	7.2		5.3
cis-1,2-Dichloroethene	6.9		4.9	2.2	J	5.3	3.8	J	5.3
m&p-Xylene		U	9.8		U	10.5		U	10.5
o-Xylene		U	4.9		U	5.3		U	5.3

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-15-4-5 11/19/2013			CTS-SB-15-7-8 11/19/2013			CTS-SB-15-11-12 11/19/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane	432		135		U	5.0	2.5	J	5.7
1,4-Dioxane (p-Dioxane)		U	4,040		U	150		U	170
2-Butanone (MEK)		U	2,690	101		100		U	113
2-Hexanone		U	1,350	12.5	J	50.0		U	56.6
Acetone	476	J	2,690	498	J	100	66.8	J	113
Benzene		U	135		U	5.0		U	5.7
Chloroform		U	135		U	5.0		U	5.7
Cyclohexane		U	135		U	5.0		U	5.7
Ethylbenzene		U	135		U	5.0		U	5.7
Isopropylbenzene (Cumene)		U	135		U	5.0		U	5.7
Methyl acetate	760		269		U	10		U	11.3
Methylene Chloride		U	538		U	20.0		U	22.6
Tetrachloroethene	299	J	135		U	5.0		UJ	5.7
Toluene		U	135		U	5.0		U	5.7
Trichloroethene	14,800		1,080	34.7		5.0	127		5.7
cis-1,2-Dichloroethene	219		135	5.8		5.0	19.1		5.7
m&p-Xylene		U	269		U	10		U	11.3
o-Xylene		U	135		U	5.0		U	5.7

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-16-4-5 11/19/2013			CTS-SB-16-7-8 11/19/2013			CTS-SB-16-10-11 11/19/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	5.3		U	4.9		U	5.4
1,4-Dioxane (p-Dioxane)		U	159		U	146		U	163
2-Butanone (MEK)		U	106		U	97.4		U	109
2-Hexanone		U	53.0		U	48.7		U	54.4
Acetone	44.5	J	106	72.4	J	97.4	80.7	J	109
Benzene		U	5.3		U	4.9		U	5.4
Chloroform		U	5.3		U	4.9		U	5.4
Cyclohexane		U	5.3		U	4.9		U	5.4
Ethylbenzene		U	5.3		U	4.9		U	5.4
Isopropylbenzene (Cumene)		U	5.3		U	4.9		U	5.4
Methyl acetate		U	10.6		U	9.7		U	10.9
Methylene Chloride		U	21.2		U	19.5		U	21.7
Tetrachloroethene		UJ	5.3		UJ	4.9		UJ	5.4
Toluene		U	5.3		U	4.9		U	5.4
Trichloroethene	1,010		131	972		479	495		139
cis-1,2-Dichloroethene	7.1		5.3	12.2		4.9	4.7	J	5.4
m&p-Xylene		U	10.6		U	9.7		U	10.9
o-Xylene		U	5.3		U	4.9		U	5.4

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-17-0-1 11/12/2013			CTS-SB-17-9-10 11/12/2013			CTS-SB-17-13-14 11/12/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane	19.5		5.1		UJ	5.2		U	5.1
1,4-Dioxane (p-Dioxane)		U	153		UJ	156		U	154
2-Butanone (MEK)	21.3	J	102	44.6	J	104		U	103
2-Hexanone		U	51.1		UJ	52.0		U	51.3
Acetone	106	J	102	195	J	104	48.5	J	103
Benzene		U	5.1		UJ	5.2		U	5.1
Chloroform		U	5.1		UJ	5.2		U	5.1
Cyclohexane		UJ	5.1		UJ	5.2		U	5.1
Ethylbenzene		U	5.1		UJ	5.2		U	5.1
Isopropylbenzene (Cumene)		UJ	5.1		UJ	5.2		U	5.1
Methyl acetate		U	10.2		U	10.4		U	10.3
Methylene Chloride		U	20.4	4.1	J	20.8		U	20.5
Tetrachloroethene	12.8		5.1		UJ	5.2	2.3	J	5.1
Toluene		U	5.1		UJ	5.2		U	5.1
Trichloroethene	883		278	929	J	243	3,110		559
cis-1,2-Dichloroethene	4.1	J	5.1		UJ	5.2		U	5.1
m&p-Xylene		U	10.2		UJ	10.4		U	10.3
o-Xylene		U	5.1		UJ	5.2		U	5.1

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-18-4-5 11/13/2013			CTS-SB-18-5-6 11/13/2013			CTS-SB-18-10-12 11/13/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	4.6		U	4.9		U	5.5
1,4-Dioxane (p-Dioxane)		U	138		U	147		U	166
2-Butanone (MEK)		U	92.0		U	97.9		U	111
2-Hexanone		U	46.0		U	49.0		U	55.3
Acetone	135	J	92.0	192	J	97.9	134	J	111
Benzene		U	4.6		U	4.9		U	5.5
Chloroform		U	4.6		U	4.9		U	5.5
Cyclohexane		U	4.6		U	4.9		U	5.5
Ethylbenzene		U	4.6		U	4.9		U	5.5
Isopropylbenzene (Cumene)		U	4.6		U	4.9		U	5.5
Methyl acetate		U	9.2		U	9.8		U	11.1
Methylene Chloride		U	18.4		U	19.6		U	22.1
Tetrachloroethene		U	4.6		U	4.9		U	5.5
Toluene		U	4.6		U	4.9		U	5.5
Trichloroethene	57.7		4.6	14		4.9	191	J	5.5
cis-1,2-Dichloroethene	5.5		4.6		U	4.9	9.2	J	5.5
m&p-Xylene		U	9.2		U	9.8		U	11.1
o-Xylene		U	4.6		U	4.9		U	5.5

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-19-2-3 11/13/2013			CTS-SB-19-8-10 11/13/2013			CTS-SB-19-14-15 11/13/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	5.8		U	5.0	302	J	5.6
1,4-Dioxane (p-Dioxane)		U	174		U	151		UJ	167
2-Butanone (MEK)		U	116	64.0	J	101	88.5	J	111
2-Hexanone		U	57.9		U	50.3		UJ	55.5
Acetone	88.4	J	116	339		101	292	J	111
Benzene		U	5.8		U	5.0	1.9	J	5.6
Chloroform		U	5.8		U	5.0		UJ	5.6
Cyclohexane		U	5.8		U	5.0	15.5	J	5.6
Ethylbenzene		U	5.8		U	5.0	15.4	J	5.6
Isopropylbenzene (Cumene)		U	5.8		U	5.0	27.6	J	5.6
Methyl acetate		U	11.6	4.1	J	10.1		UJ	11.1
Methylene Chloride		U	23.2	6.3	J	20.1	9.8	J	22.2
Tetrachloroethene		U	5.8		U	5.0	117	J	5.6
Toluene		U	5.8		U	5.0	4.6	J	5.6
Trichloroethene	7.5		5.8	11.4		5.0	11,800	J	3710
cis-1,2-Dichloroethene		U	5.8		U	5.0	49.2	J	5.6
m&p-Xylene		U	11.6		U	10.1		UJ	11.1
o-Xylene		U	5.8		U	5.0	77.8	J	5.6

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-20-3-4 11/20/2013			CTS-SB-20-9-10 11/20/2013			CTS-SB-20-14-15 11/20/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane	193		4.9	2.4	J	4.3		U	117
1,4-Dioxane (p-Dioxane)		U	148		U	130		U	3,510
2-Butanone (MEK)	37.5	J	98.8		U	86.9		U	2,340
2-Hexanone		U	49.4		U	43.4		U	1,170
Acetone	274	J	98.8	77.3	J	86.9		U	2,340
Benzene		U	4.9		U	4.3		U	117
Chloroform		U	4.9		U	4.3		U	117
Cyclohexane		UJ	4.9		U	4.3		U	117
Ethylbenzene		U	4.9		U	4.3		U	117
Isopropylbenzene (Cumene)		UJ	4.9		U	4.3		U	117
Methyl acetate		U	9.9		U	8.7	491		234
Methylene Chloride		U	19.8		U	17.4		U	468
Tetrachloroethene	8.9		4.9		U	4.3	153		117
Toluene		U	4.9		U	4.3		U	117
Trichloroethene	307		110	10.5		4.3	712		117
cis-1,2-Dichloroethene		U	4.9	2	J	4.3	35.8	J	117
m&p-Xylene		U	9.9		U	8.7		U	234
o-Xylene		U	4.9		U	4.3		U	117

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-21-1-2 11/12/2013			CTS-SB-21-9-10 11/12/2013			CTS-SB-21-14-15 11/12/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	5.3		U	4.6		U	5.1
1,4-Dioxane (p-Dioxane)		U	159		U	138		U	154
2-Butanone (MEK)		U	106		U	92.0		U	103
2-Hexanone		U	53.1		U	46.0		U	51.3
Acetone	59.6	J	106	89.8	J	92.0	379		103
Benzene		U	5.3		U	4.6		U	5.1
Chloroform		U	5.3		U	4.6		U	5.1
Cyclohexane		U	5.3		U	4.6		U	5.1
Ethylbenzene		U	5.3		U	4.6		U	5.1
Isopropylbenzene (Cumene)		U	5.3		U	4.6		U	5.1
Methyl acetate		U	10.6		U	9.2		U	10.3
Methylene Chloride		U	21.2		U	18.4		U	20.5
Tetrachloroethene		U	5.3		U	4.6		U	5.1
Toluene		U	5.3		U	4.6		U	5.1
Trichloroethene		U	5.3	10.7		4.6	44.4		5.1
cis-1,2-Dichloroethene		U	5.3		U	4.6		U	5.1
m&p-Xylene		U	10.6		U	9.2		U	10.3
o-Xylene		U	5.3		U	4.6		U	5.1

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
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Analyte	CTS-SB-22-4-5 11/20/2013			CTS-SB-22-9-10 11/20/2013			CTS-SB-22-12-13 11/20/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	5.2		U	5.3		U	5.5
1,4-Dioxane (p-Dioxane)		U	156		U	159		U	164
2-Butanone (MEK)		U	104	19.5	J	106		U	109
2-Hexanone		U	52.2		U	53.0		U	54.5
Acetone	19.3	J	104	112	A+	106	50.2	J	109
Benzene		U	5.2		U	5.3		U	5.5
Chloroform		U	5.2		U	5.3		U	5.5
Cyclohexane		U	5.2		U	5.3		U	5.5
Ethylbenzene		U	5.2		U	5.3		U	5.5
Isopropylbenzene (Cumene)		U	5.2		U	5.3		U	5.5
Methyl acetate		U	10.4		U	10.6		U	10.9
Methylene Chloride		U	20.9		U	21.2		U	21.8
Tetrachloroethene		U	5.2		U	5.3		U	5.5
Toluene		U	5.2		U	5.3		U	5.5
Trichloroethene		U	5.2		U	5.3		U	5.5
cis-1,2-Dichloroethene		U	5.2		U	5.3		U	5.5
m&p-Xylene		U	10.4		U	10.6		U	10.9
o-Xylene		U	5.2		U	5.3		U	5.5

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-23-0-1 11/18/2013			CTS-SB-23-9-10 11/18/2013			CTS-SB-23-14-15 11/18/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	6.6		U	5.8		U	5.4
1,4-Dioxane (p-Dioxane)		U	199		U	174		U	162
2-Butanone (MEK)		U	132		U	116		U	108
2-Hexanone		U	66.2		U	58.1		U	54.2
Acetone	31.6	J	132	13.6	J	116		U	108
Benzene		U	6.6		U	5.8		U	5.4
Chloroform		U	6.6		U	5.8		U	5.4
Cyclohexane		U	6.6		U	5.8		U	5.4
Ethylbenzene		U	6.6		U	5.8		U	5.4
Isopropylbenzene (Cumene)		U	6.6		U	5.8		U	5.4
Methyl acetate		U	13.2		U	11.6	4.7	J	10.8
Methylene Chloride		U	26.5	3.8	J	23.2		U	21.7
Tetrachloroethene		U	6.6		U	5.8		U	5.4
Toluene		U	6.6		U	5.8		U	5.4
Trichloroethene		U	6.6		U	5.8		U	5.4
cis-1,2-Dichloroethene		U	6.6		U	5.8		U	5.4
m&p-Xylene		U	13.2		U	11.6		U	10.8
o-Xylene		U	6.6		U	5.8		U	5.4

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-24-3-4 11/18/2013			CTS-SB-24-8-9 11/18/2013			CTS-SB-24-14-15 11/18/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	4.6		U	5.6	51.0	J	5.4
1,4-Dioxane (p-Dioxane)		U	138		U	167		UJ	163
2-Butanone (MEK)		U	92.3		U	111		UJ	109
2-Hexanone		U	46.2		U	55.6		UJ	54.3
Acetone	49.7	J	92.3	26.8	J	111	41.9	J	109
Benzene		U	4.6		U	5.6	6.7	J	5.4
Chloroform		U	4.6		U	5.6		UJ	5.4
Cyclohexane		U	4.6		U	5.6	26.4	J	5.4
Ethylbenzene		U	4.6		U	5.6	59.1	J	5.4
Isopropylbenzene (Cumene)		U	4.6		U	5.6	53.1	J	5.4
Methyl acetate		U	9.2		U	11.1		U	10.9
Methylene Chloride		U	18.5		U	22.2	5.3	J	21.7
Tetrachloroethene		U	4.6		U	5.6	4.4	J	5.4
Toluene		U	4.6		U	5.6	32.5		5.4
Trichloroethene		U	4.6		U	5.6	6,870		614
cis-1,2-Dichloroethene		U	4.6		U	5.6		UJ	5.4
m&p-Xylene		U	9.2		U	11.1	43.9	J	10.9
o-Xylene		U	4.6		U	5.6	1,790		614

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-25-3-4 11/13/2013			CTS-SB-25-9-10 11/13/2013			CTS-SB-25-13-14 11/13/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	4.6		U	5.9		U	6.0
1,4-Dioxane (p-Dioxane)		U	139		U	178		U	181
2-Butanone (MEK)		U	92.4	15.9	J	119	196		121
2-Hexanone		U	46.2		U	59.5		U	60.3
Acetone	116	A+	92.4	197	J	119	1,290	J	121
Benzene		U	4.6		U	5.9		U	6.0
Chloroform		U	4.6		U	5.9		U	6.0
Cyclohexane		U	4.6		U	5.9		UJ	6.0
Ethylbenzene		U	4.6		U	5.9		U	6.0
Isopropylbenzene (Cumene)		U	4.6		U	5.9		UJ	6.0
Methyl acetate		U	9.2		U	11.9	145		12.1
Methylene Chloride		U	18.5		U	23.8		U	24.1
Tetrachloroethene		U	4.6		U	5.9	2.1	J	6.0
Toluene		U	4.6		U	5.9		U	6.0
Trichloroethene	4.2	J	4.6	27.5		5.9	492		131
cis-1,2-Dichloroethene		U	4.6		U	5.9	5.7	J	6.0
m&p-Xylene		U	9.2		U	11.9		U	12.1
o-Xylene		U	4.6		U	5.9		U	6.0

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
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Asheville, North Carolina
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Analyte	CTSCSS-SB-204-0-1 11/20/2013			CTSCSS-SB-204-9-10 11/20/2013			CTSCSS-SB-204-11-12 11/20/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	5.2		U	5.6		U	5.1
1,4-Dioxane (p-Dioxane)		U	157		U	169		U	152
2-Butanone (MEK)		U	105		U	113		U	101
2-Hexanone		U	52.4		U	56.3		U	50.6
Acetone	13.8	J	105	54.4	J	113	67.7	J	101
Benzene		U	5.2		U	5.6		U	5.1
Chloroform		U	5.2		U	5.6		U	5.1
Cyclohexane		U	5.2		U	5.6		U	5.1
Ethylbenzene		U	5.2		U	5.6		U	5.1
Isopropylbenzene (Cumene)		U	5.2		U	5.6		U	5.1
Methyl acetate		U	10.5		U	11.3		U	10.1
Methylene Chloride		U	21.0		U	22.5		U	20.2
Tetrachloroethene		U	5.2		U	5.6		U	5.1
Toluene		U	5.2		U	5.6		U	5.1
Trichloroethene		U	5.2		U	5.6	6.0		5.1
cis-1,2-Dichloroethene		U	5.2		U	5.6		U	5.1
m&p-Xylene		U	10.5		U	11.3		U	10.1
o-Xylene		U	5.2		U	5.6		U	5.1

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTSCSS-SB-205-0-1 11/20/2013			CTSCSS-SB-205-6-7 11/20/2013			CTSCSS-SB-205-14-15 11/20/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	5.1		U	4.8		U	564
1,4-Dioxane (p-Dioxane)		U	153		U	144		U	16,900
2-Butanone (MEK)		U	102		U	95.8		U	11,300
2-Hexanone		U	50.9		U	47.9		U	5,640
Acetone	57.3	J	102	55.9	J	95.8		U	11,300
Benzene		U	5.1		U	4.8		U	564
Chloroform		U	5.1		U	4.8		U	564
Cyclohexane		U	5.1		U	4.8		U	564
Ethylbenzene		U	5.1		U	4.8	719		564
Isopropylbenzene (Cumene)		U	5.1		U	4.8	706		564
Methyl acetate		U	10.2		U	9.6		U	1,130
Methylene Chloride		U	20.4		U	19.2		U	2,260
Tetrachloroethene		U	5.1		U	4.8		U	564
Toluene		U	5.1		U	4.8		U	564
Trichloroethene	5.0	J	5.1	7.3		4.8	19,400		564
cis-1,2-Dichloroethene		U	5.1		U	4.8		U	564
m&p-Xylene		U	10.2		U	9.6		U	1,130
o-Xylene		U	5.1		U	4.8	1,850		564

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTSCSS-SB-206-4-5 11/18/2013			CTSCSS-SB-206-8-10 11/18/2013			CTSCSS-SB-206-14-15 11/18/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	6.0		U	5.6		U	151
1,4-Dioxane (p-Dioxane)		U	179		U	169		U	4,540
2-Butanone (MEK)		U	119	19.5	J	113		U	3,030
2-Hexanone		U	59.6	4.7	J	56.5		U	1,510
Acetone	15.2	J	119	43.1	J	113		U	3,030
Benzene		U	6.0		U	5.6		U	151
Chloroform		U	6.0		U	5.6		U	151
Cyclohexane		U	6.0		U	5.6		U	151
Ethylbenzene		U	6.0		U	5.6		U	151
Isopropylbenzene (Cumene)		U	6.0		U	5.6		U	151
Methyl acetate		U	11.9		U	11.3	600		303
Methylene Chloride		U	23.8		U	22.6		U	605
Tetrachloroethene		U	6.0		U	5.6		U	151
Toluene		U	6.0		U	5.6		U	151
Trichloroethene		U	6.0		U	5.6	481		151
cis-1,2-Dichloroethene		U	6.0		U	5.6		U	151
m&p-Xylene		U	11.9		U	11.3		U	303
o-Xylene		U	6.0		U	5.6		U	151

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTSCSS-SB-207-3-4 11/12/2013			CTSCSS-SB-207-6-7 11/12/2013			CTSCSS-SB-207-13-14 11/12/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	4.3		U	4.7	870		105
1,4-Dioxane (p-Dioxane)		U	130		U	140		U	3,160
2-Butanone (MEK)		U	86.9	12.1	J	93.0		U	2,110
2-Hexanone		U	43.4		U	46.5		U	1,050
Acetone	56.1	J	86.9	82.2	J	93.0	272	J	2,110
Benzene		U	4.3		U	4.7		U	105
Chloroform		U	4.3		U	4.7		U	105
Cyclohexane		U	4.3		U	4.7	59.6	J	105
Ethylbenzene		U	4.3		U	4.7	1,450		105
Isopropylbenzene (Cumene)		U	4.3		U	4.7	1,140		105
Methyl acetate		U	8.7		U	9.3	455		211
Methylene Chloride		U	17.4		U	18.6		U	422
Tetrachloroethene		U	4.3		U	4.7	1,720		105
Toluene		U	4.3		U	4.7	171		105
Trichloroethene	19.3		4.3	54.1		4.7	47,400		4,220
cis-1,2-Dichloroethene		U	4.3	4	J	4.7	196		105
m&p-Xylene		U	8.7		U	9.3	1,080		211
o-Xylene		U	4.3		U	4.7	2,950		105

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTSCSS-SB-208-4-5 11/20/2013			CTSCSS-SB-208-7-9 11/20/2013			CTSCSS-SB-208-12-13 11/20/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	5.0		U	5.1		U	5.0
1,4-Dioxane (p-Dioxane)		U	150		U	153		U	151
2-Butanone (MEK)		U	99.7		U	102		U	101
2-Hexanone		U	49.9		U	51.0		U	50.3
Acetone	184	J	99.7	106	J	102	91.7	J	101
Benzene		U	5.0		U	5.1		U	5.0
Chloroform		U	5.0		U	5.1		U	5.0
Cyclohexane		U	5.0		U	5.1		U	5.0
Ethylbenzene		U	5.0		U	5.1		U	5.0
Isopropylbenzene (Cumene)		U	5.0		U	5.1		U	5.0
Methyl acetate		U	10		U	10.2	16.8		10.1
Methylene Chloride		U	19.9		U	20.4		U	20.1
Tetrachloroethene		U	5.0		U	5.1		U	5.0
Toluene		U	5.0		U	5.1		U	5.0
Trichloroethene	2.6	J	5.0		U	5.1		U	5.0
cis-1,2-Dichloroethene		U	5.0		U	5.1		U	5.0
m&p-Xylene		U	10		U	10.2		U	10.1
o-Xylene		U	5.0		U	5.1		U	5.0

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-501 (CTS-SB-18-10-12) 11/13/2013			CTS-SB-502 (CTS-SB-04-11-12) 11/18/2013			CTS-SB-503 (CTS-SB-11-14-15) 11/19/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane		U	5.3		U	5.1		U	5.3
1,4-Dioxane (p-Dioxane)		U	158		U	153		U	159
2-Butanone (MEK)	18.4	J	105		U	102		U	106
2-Hexanone		U	52.5		U	50.9		U	53.0
Acetone	394	J	105	52.0	J	102	34.7	J	106
Benzene		U	5.3		U	5.1		U	5.3
Chloroform		U	5.3		U	5.1	2.6	J	5.3
Cyclohexane		U	5.3		U	5.1		U	5.3
Ethylbenzene		U	5.3		U	5.1		U	5.3
Isopropylbenzene (Cumene)		U	5.3		U	5.1		U	5.3
Methyl acetate		U	10.5		U	10.2		U	10.6
Methylene Chloride		U	21.0		U	20.4		U	21.2
Tetrachloroethene		U	5.3		U	5.1		UJ	5.3
Toluene		U	5.3		U	5.1		U	5.3
Trichloroethene	361	J	133	49.1	J	5.1	67.8		5.3
cis-1,2-Dichloroethene	18.0	J	5.3		U	5.1		U	5.3
m&p-Xylene		U	10.5		U	10.2		U	10.6
o-Xylene		U	5.3		U	5.1		U	5.3

TABLE 3
Analytical Results of Soil Samples by EPA Method 8260 (VOCs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-504 (CTS-SB-12-14-15) 11/20/2013		
	Concentration	Flag	Reporting Limit
1,1,1-Trichloroethane	2.7	J	5.5
1,4-Dioxane (p-Dioxane)		U	164
2-Butanone (MEK)	38.2	J	109
2-Hexanone		U	54.6
Acetone	279	J	109
Benzene		U	5.5
Chloroform		U	5.5
Cyclohexane		U	5.5
Ethylbenzene		U	5.5
Isopropylbenzene (Cumene)		U	5.5
Methyl acetate		U	10.9
Methylene Chloride		U	21.9
Tetrachloroethene		UJ	5.5
Toluene		U	5.5
Trichloroethene	16.2		5.5
cis-1,2-Dichloroethene		U	5.5
m&p-Xylene		U	10.9
o-Xylene		U	5.5

Notes:

1. Concentrations are in micrograms per kilogram (μg/kg).
2. VOCs = volatile organic compounds.
3. U = analyte not detected above the method detection limit.
4. J = estimated concentration.
5. UJ = estimated reporting limit.

Prepared By: SEK 2/28/14
Checked By: ELF 3/3/14

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-01-4-5 11/19/2013			CTS-SB-01-7-8 11/19/2013			CTS-SB-01-11-12 11/19/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	11.2		UJ	10.9		UJ	12.5
2-Methylnaphthalene		UJ	11.2		UJ	10.9		UJ	12.5
Acenaphthene		UJ	11.2		UJ	10.9		UJ	12.5
Acenaphthylene		UJ	11.2		UJ	10.9		UJ	12.5
Anthracene		UJ	11.2		UJ	10.9		UJ	12.5
Benzo(a)anthracene		UJ	11.2		UJ	10.9		UJ	12.5
Benzo(a)pyrene		UJ	11.2		UJ	10.9		UJ	12.5
Benzo(b)fluoranthene		UJ	11.2		UJ	10.9		UJ	12.5
Benzo(g,h,i)perylene		UJ	11.2		UJ	10.9		UJ	12.5
Benzo(k)fluoranthene		UJ	11.2		UJ	10.9		UJ	12.5
Chrysene		UJ	11.2		UJ	10.9		UJ	12.5
Dibenz(a,h)anthracene		UJ	11.2		UJ	10.9		UJ	12.5
Fluoranthene		UJ	11.2		UJ	10.9		UJ	12.5
Fluorene		UJ	11.2		UJ	10.9		UJ	12.5
Indeno(1,2,3-cd)pyrene		UJ	11.2		UJ	10.9		UJ	12.5
Naphthalene		UJ	11.2		UJ	10.9		UJ	12.5
Phenanthrene		UJ	11.2		UJ	10.9		UJ	12.5
Pyrene		UJ	11.2		UJ	10.9		UJ	12.5

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

	CTS-SB-04-3-4 11/18/2013			CTS-SB-04-6-7 11/18/2013			CTS-SB-04-11-12 11/18/2013		
Analyte	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	11.2		UJ	10.9	24.6	J	11.5
2-Methylnaphthalene		UJ	11.2		UJ	10.9	11.6	J	11.5
Acenaphthene		UJ	11.2		UJ	10.9		UJ	11.5
Acenaphthylene		UJ	11.2		UJ	10.9		UJ	11.5
Anthracene		UJ	11.2		UJ	10.9		UJ	11.5
Benzo(a)anthracene		UJ	11.2		UJ	10.9		U	11.5
Benzo(a)pyrene		UJ	11.2		UJ	10.9		U	11.5
Benzo(b)fluoranthene		UJ	11.2		UJ	10.9		U	11.5
Benzo(g,h,i)perylene		UJ	11.2		UJ	10.9		U	11.5
Benzo(k)fluoranthene		UJ	11.2		UJ	10.9		U	11.5
Chrysene		UJ	11.2		UJ	10.9		U	11.5
Dibenz(a,h)anthracene		UJ	11.2		UJ	10.9		U	11.5
Fluoranthene		UJ	11.2		UJ	10.9		UJ	11.5
Fluorene		UJ	11.2		UJ	10.9		UJ	11.5
Indeno(1,2,3-cd)pyrene		UJ	11.2		UJ	10.9		U	11.5
Naphthalene		UJ	11.2		UJ	10.9		UJ	11.5
Phenanthrene		UJ	11.2		UJ	10.9	83.8	J	11.5
Pyrene		UJ	11.2		UJ	10.9	13.9	J	11.5

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

	CTS-SB-07-0-1 11/20/2013			CTS-SB-07-9-10 11/20/2013			CTS-SB-07-13-14 11/20/2013		
Analyte	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	12.0		UJ	12.0		U	12.4
2-Methylnaphthalene		UJ	12.0		UJ	12.0		U	12.4
Acenaphthene		UJ	12.0		UJ	12.0		UJ	12.4
Acenaphthylene		UJ	12.0		UJ	12.0		UJ	12.4
Anthracene		UJ	12.0		UJ	12.0		UJ	12.4
Benzo(a)anthracene	0.90	J	12.0		UJ	12.0		U	12.4
Benzo(a)pyrene		UJ	12.0		UJ	12.0		U	12.4
Benzo(b)fluoranthene		UJ	12.0		UJ	12.0		U	12.4
Benzo(g,h,i)perylene		UJ	12.0		UJ	12.0		U	12.4
Benzo(k)fluoranthene		UJ	12.0		UJ	12.0		U	12.4
Chrysene		UJ	12.0		UJ	12.0		U	12.4
Dibenz(a,h)anthracene		UJ	12.0		UJ	12.0		U	12.4
Fluoranthene	1.1	J	12.0		UJ	12.0		UJ	12.4
Fluorene		UJ	12.0		UJ	12.0		UJ	12.4
Indeno(1,2,3-cd)pyrene		UJ	12.0		UJ	12.0		U	12.4
Naphthalene		UJ	12.0		UJ	12.0		U	12.4
Phenanthrene		UJ	12.0		UJ	12.0		UJ	12.4
Pyrene		UJ	12.0		UJ	12.0		UJ	12.4

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-11-3-5 11/19/2013			CTS-SB-11-7-8 11/19/2013			CTS-SB-11-14-15 11/19/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	11.5		UJ	11.8		UJ	12.5
2-Methylnaphthalene		UJ	11.5		UJ	11.8		UJ	12.5
Acenaphthene		UJ	11.5		UJ	11.8		UJ	12.5
Acenaphthylene		UJ	11.5		UJ	11.8		UJ	12.5
Anthracene		UJ	11.5		UJ	11.8		UJ	12.5
Benzo(a)anthracene		UJ	11.5		UJ	11.8		UJ	12.5
Benzo(a)pyrene		UJ	11.5		UJ	11.8		UJ	12.5
Benzo(b)fluoranthene		UJ	11.5		UJ	11.8		UJ	12.5
Benzo(g,h,i)perylene		UJ	11.5		UJ	11.8		UJ	12.5
Benzo(k)fluoranthene		UJ	11.5		UJ	11.8		UJ	12.5
Chrysene		UJ	11.5		UJ	11.8		UJ	12.5
Dibenz(a,h)anthracene		UJ	11.5		UJ	11.8		UJ	12.5
Fluoranthene		UJ	11.5		UJ	11.8		UJ	12.5
Fluorene		UJ	11.5		UJ	11.8		UJ	12.5
Indeno(1,2,3-cd)pyrene		UJ	11.5		UJ	11.8		UJ	12.5
Naphthalene		UJ	11.5		UJ	11.8		UJ	12.5
Phenanthrene		UJ	11.5		UJ	11.8		UJ	12.5
Pyrene		UJ	11.5		UJ	11.8		UJ	12.5

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

	CTS-SB-12-2-3 11/20/2013			CTS-SB-12-9-10 11/20/2013			CTS-SB-12-14-15 11/20/2013		
Analyte	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	11.1		UJ	11.2		UJ	12.8
2-Methylnaphthalene		UJ	11.1		UJ	11.2		UJ	12.8
Acenaphthene		UJ	11.1		UJ	11.2		UJ	12.8
Acenaphthylene		UJ	11.1		UJ	11.2	3.5	J	12.8
Anthracene		UJ	11.1		UJ	11.2		UJ	12.8
Benzo(a)anthracene		UJ	11.1		UJ	11.2		UJ	12.8
Benzo(a)pyrene		UJ	11.1		UJ	11.2		UJ	12.8
Benzo(b)fluoranthene		UJ	11.1		UJ	11.2		UJ	12.8
Benzo(g,h,i)perylene		UJ	11.1		UJ	11.2		UJ	12.8
Benzo(k)fluoranthene		UJ	11.1		UJ	11.2		UJ	12.8
Chrysene		UJ	11.1		UJ	11.2		UJ	12.8
Dibenz(a,h)anthracene		UJ	11.1		UJ	11.2		UJ	12.8
Fluoranthene		UJ	11.1		UJ	11.2		UJ	12.8
Fluorene		UJ	11.1		UJ	11.2	6.3	J	12.8
Indeno(1,2,3-cd)pyrene		UJ	11.1		UJ	11.2		UJ	12.8
Naphthalene		UJ	11.1		UJ	11.2		UJ	12.8
Phenanthrene		UJ	11.1		UJ	11.2		UJ	12.8
Pyrene		UJ	11.1		UJ	11.2	13.4	J	12.8

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-13-2-3 11/19/2013			CTS-SB-13-5-6 11/19/2013			CTS-SB-13-10-11 11/19/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	12.2		UJ	11.7		UJ	12.0
2-Methylnaphthalene		UJ	12.2		UJ	11.7		UJ	12.0
Acenaphthene		UJ	12.2		UJ	11.7		UJ	12.0
Acenaphthylene		UJ	12.2		UJ	11.7		UJ	12.0
Anthracene		UJ	12.2		UJ	11.7		UJ	12.0
Benzo(a)anthracene		UJ	12.2		UJ	11.7	0.94	J	12.0
Benzo(a)pyrene		UJ	12.2		UJ	11.7		UJ	12.0
Benzo(b)fluoranthene		UJ	12.2		UJ	11.7		UJ	12.0
Benzo(g,h,i)perylene		UJ	12.2		UJ	11.7		UJ	12.0
Benzo(k)fluoranthene		UJ	12.2		UJ	11.7		UJ	12.0
Chrysene		UJ	12.2		UJ	11.7		UJ	12.0
Dibenz(a,h)anthracene		UJ	12.2		UJ	11.7		UJ	12.0
Fluoranthene		UJ	12.2		UJ	11.7		UJ	12.0
Fluorene		UJ	12.2		UJ	11.7		UJ	12.0
Indeno(1,2,3-cd)pyrene		UJ	12.2		UJ	11.7		UJ	12.0
Naphthalene		UJ	12.2		UJ	11.7		UJ	12.0
Phenanthrene		UJ	12.2		UJ	11.7		UJ	12.0
Pyrene		UJ	12.2		UJ	11.7		UJ	12.0

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-14-3-4 11/19/2013			CTS-SB-14-7-8 11/19/2013			CTS-SB-14-10-11 11/19/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		U	125		UJ	11.5		UJ	11.6
2-Methylnaphthalene		U	125		UJ	11.5		UJ	11.6
Acenaphthene		U	125		UJ	11.5		UJ	11.6
Acenaphthylene		U	125		UJ	11.5		UJ	11.6
Anthracene		U	125		UJ	11.5		UJ	11.6
Benzo(a)anthracene		U	125		UJ	11.5		UJ	11.6
Benzo(a)pyrene		U	125		UJ	11.5		UJ	11.6
Benzo(b)fluoranthene		U	125		UJ	11.5		UJ	11.6
Benzo(g,h,i)perylene	73.6	J	125		UJ	11.5		UJ	11.6
Benzo(k)fluoranthene		U	125		UJ	11.5		UJ	11.6
Chrysene		U	125		UJ	11.5		UJ	11.6
Dibenz(a,h)anthracene	74.1	J	125		UJ	11.5		UJ	11.6
Fluoranthene		U	125		UJ	11.5		UJ	11.6
Fluorene		U	125		UJ	11.5		UJ	11.6
Indeno(1,2,3-cd)pyrene	70.8	J	125		UJ	11.5		UJ	11.6
Naphthalene		U	125		UJ	11.5		UJ	11.6
Phenanthrene		U	125		UJ	11.5		UJ	11.6
Pyrene		U	125		UJ	11.5		UJ	11.6

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-15-4-5 11/19/2013			CTS-SB-15-7-8 11/19/2013			CTS-SB-15-11-12 11/19/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		U	572		UJ	11.4		UJ	12.2
2-Methylnaphthalene		U	572		UJ	11.4		UJ	12.2
Acenaphthene		U	572		UJ	11.4		UJ	12.2
Acenaphthylene		U	572		UJ	11.4		UJ	12.2
Anthracene		U	572		UJ	11.4		UJ	12.2
Benzo(a)anthracene		U	572		UJ	11.4		UJ	12.2
Benzo(a)pyrene		U	572		UJ	11.4		UJ	12.2
Benzo(b)fluoranthene		U	572		UJ	11.4		UJ	12.2
Benzo(g,h,i)perylene		U	572		UJ	11.4		UJ	12.2
Benzo(k)fluoranthene		U	572		UJ	11.4		UJ	12.2
Chrysene		U	572		UJ	11.4		UJ	12.2
Dibenz(a,h)anthracene		U	572		UJ	11.4		UJ	12.2
Fluoranthene		U	572		UJ	11.4		UJ	12.2
Fluorene		U	572		UJ	11.4		UJ	12.2
Indeno(1,2,3-cd)pyrene		U	572		UJ	11.4		UJ	12.2
Naphthalene		U	572		UJ	11.4		UJ	12.2
Phenanthrene		U	572		UJ	11.4		UJ	12.2
Pyrene		U	572		UJ	11.4		UJ	12.2

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-16-4-5 11/19/2013			CTS-SB-16-7-8 11/19/2013			CTS-SB-16-10-11 11/19/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	11.6		UJ	12.2		UJ	12.9
2-Methylnaphthalene		UJ	11.6		UJ	12.2		UJ	12.9
Acenaphthene		UJ	11.6		UJ	12.2		UJ	12.9
Acenaphthylene		UJ	11.6		UJ	12.2		UJ	12.9
Anthracene		UJ	11.6		UJ	12.2		UJ	12.9
Benzo(a)anthracene		UJ	11.6		UJ	12.2		UJ	12.9
Benzo(a)pyrene		UJ	11.6		UJ	12.2		UJ	12.9
Benzo(b)fluoranthene		UJ	11.6		UJ	12.2		UJ	12.9
Benzo(g,h,i)perylene		UJ	11.6		UJ	12.2		UJ	12.9
Benzo(k)fluoranthene		UJ	11.6		UJ	12.2		UJ	12.9
Chrysene		UJ	11.6		UJ	12.2		UJ	12.9
Dibenz(a,h)anthracene		UJ	11.6		UJ	12.2		UJ	12.9
Fluoranthene		UJ	11.6		UJ	12.2		UJ	12.9
Fluorene		UJ	11.6		UJ	12.2		UJ	12.9
Indeno(1,2,3-cd)pyrene		UJ	11.6		UJ	12.2		UJ	12.9
Naphthalene		UJ	11.6		UJ	12.2		UJ	12.9
Phenanthrene		UJ	11.6		UJ	12.2		UJ	12.9
Pyrene		UJ	11.6		UJ	12.2		UJ	12.9

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

	CTS-SB-17-0-1 11/12/2013			CTS-SB-17-9-10 11/12/2013			CTS-SB-17-13-14 11/12/2013		
Analyte	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		U	630	2.0	J	11.0		UJ	12.9
2-Methylnaphthalene		U	630	2.5	J	11.0		UJ	12.9
Acenaphthene		U	630		UJ	11.0		UJ	12.9
Acenaphthylene		U	630		UJ	11.0		UJ	12.9
Anthracene		U	630		UJ	11.0		UJ	12.9
Benzo(a)anthracene		U	630		UJ	11.0		UJ	12.9
Benzo(a)pyrene		U	630		UJ	11.0		UJ	12.9
Benzo(b)fluoranthene		U	630		UJ	11.0		UJ	12.9
Benzo(g,h,i)perylene		U	630		UJ	11.0		UJ	12.9
Benzo(k)fluoranthene		U	630		UJ	11.0		UJ	12.9
Chrysene		U	630		UJ	11.0		UJ	12.9
Dibenz(a,h)anthracene		U	630		UJ	11.0		UJ	12.9
Fluoranthene		U	630		UJ	11.0		UJ	12.9
Fluorene		U	630		UJ	11.0		UJ	12.9
Indeno(1,2,3-cd)pyrene		U	630		UJ	11.0		UJ	12.9
Naphthalene		U	630		UJ	11.0		UJ	12.9
Phenanthrene		U	630		UJ	11.0		UJ	12.9
Pyrene		U	630		UJ	11.0		UJ	12.9

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-18-4-5 11/13/2013			CTS-SB-18-5-6 11/13/2013			CTS-SB-18-10-12 11/13/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	11.8		UJ	11.9		UJ	12.7
2-Methylnaphthalene		UJ	11.8		UJ	11.9		UJ	12.7
Acenaphthene		UJ	11.8		UJ	11.9		UJ	12.7
Acenaphthylene		UJ	11.8		UJ	11.9		UJ	12.7
Anthracene		UJ	11.8		UJ	11.9		UJ	12.7
Benzo(a)anthracene		U	11.8		UJ	11.9	0.93	J	12.7
Benzo(a)pyrene		U	11.8		UJ	11.9		U	12.7
Benzo(b)fluoranthene		U	11.8		UJ	11.9		U	12.7
Benzo(g,h,i)perylene		U	11.8		UJ	11.9		U	12.7
Benzo(k)fluoranthene		U	11.8		UJ	11.9		U	12.7
Chrysene		U	11.8		UJ	11.9		U	12.7
Dibenz(a,h)anthracene		U	11.8		UJ	11.9		U	12.7
Fluoranthene		UJ	11.8		UJ	11.9		UJ	12.7
Fluorene		UJ	11.8		UJ	11.9		UJ	12.7
Indeno(1,2,3-cd)pyrene		U	11.8		UJ	11.9		U	12.7
Naphthalene		UJ	11.8		UJ	11.9		UJ	12.7
Phenanthrene		UJ	11.8		UJ	11.9		UJ	12.7
Pyrene		UJ	11.8		UJ	11.9		UJ	12.7

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-19-2-3 11/13/2013			CTS-SB-19-8-10 11/13/2013			CTS-SB-19-14-15 11/13/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	10.6		UJ	11.6		U	626
2-Methylnaphthalene		UJ	10.6		UJ	11.6		U	626
Acenaphthene		UJ	10.6		UJ	11.6	230	J	626
Acenaphthylene		UJ	10.6		UJ	11.6		U	626
Anthracene		UJ	10.6		UJ	11.6		U	626
Benzo(a)anthracene		U	10.6		UJ	11.6		U	626
Benzo(a)pyrene		U	10.6		UJ	11.6		U	626
Benzo(b)fluoranthene		U	10.6		UJ	11.6		U	626
Benzo(g,h,i)perylene		U	10.6		UJ	11.6		U	626
Benzo(k)fluoranthene		U	10.6		UJ	11.6		U	626
Chrysene		U	10.6		UJ	11.6		U	626
Dibenz(a,h)anthracene		U	10.6		UJ	11.6		U	626
Fluoranthene		UJ	10.6		UJ	11.6		U	626
Fluorene		UJ	10.6		UJ	11.6		U	626
Indeno(1,2,3-cd)pyrene		U	10.6		UJ	11.6		U	626
Naphthalene		UJ	10.6		UJ	11.6		U	626
Phenanthrene		UJ	10.6		UJ	11.6		U	626
Pyrene		UJ	10.6		UJ	11.6	1,220		626

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-20-3-4 11/20/2013			CTS-SB-20-9-10 11/20/2013			CTS-SB-20-14-15 11/20/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		U	588		U	11.1	53.6	J	59.1
2-Methylnaphthalene		U	588		U	11.1	46.2	J	59.1
Acenaphthene		U	588		U	11.1		U	59.1
Acenaphthylene		U	588		U	11.1		U	59.1
Anthracene		U	588		U	11.1		U	59.1
Benzo(a)anthracene		U	588	1.8	J	11.1	8.7	J	59.1
Benzo(a)pyrene		U	588		U	11.1		U	59.1
Benzo(b)fluoranthene		U	588		U	11.1	7.3	J	59.1
Benzo(g,h,i)perylene		U	588		U	11.1		U	59.1
Benzo(k)fluoranthene		U	588	2.1	J	11.1	11.2	J	59.1
Chrysene		U	588	2.4	J	11.1	11.1	J	59.1
Dibenz(a,h)anthracene		U	588		U	11.1		U	59.1
Fluoranthene		U	588		U	11.1		U	59.1
Fluorene		U	588		U	11.1		U	59.1
Indeno(1,2,3-cd)pyrene		U	588		U	11.1		U	59.1
Naphthalene		U	588		U	11.1		U	59.1
Phenanthrene		U	588		U	11.1	42.1	J	59.1
Pyrene		U	588		U	11.1	208		59.1

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-21-1-2 11/12/2013			CTS-SB-21-9-10 11/12/2013			CTS-SB-21-14-15 11/12/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	11.6		UJ	11.2		U	11.3
2-Methylnaphthalene		UJ	11.6		UJ	11.2		U	11.3
Acenaphthene		UJ	11.6		UJ	11.2		U	11.3
Acenaphthylene		UJ	11.6		UJ	11.2		U	11.3
Anthracene		UJ	11.6		UJ	11.2		U	11.3
Benzo(a)anthracene		U	11.6		U	11.2		U	11.3
Benzo(a)pyrene		U	11.6		U	11.2		U	11.3
Benzo(b)fluoranthene		U	11.6		U	11.2		U	11.3
Benzo(g,h,i)perylene		U	11.6		U	11.2		U	11.3
Benzo(k)fluoranthene		U	11.6		U	11.2		U	11.3
Chrysene		U	11.6		U	11.2		U	11.3
Dibenz(a,h)anthracene		U	11.6		U	11.2		U	11.3
Fluoranthene		UJ	11.6		UJ	11.2		U	11.3
Fluorene		UJ	11.6		UJ	11.2		U	11.3
Indeno(1,2,3-cd)pyrene		U	11.6		U	11.2		U	11.3
Naphthalene		UJ	11.6		UJ	11.2		U	11.3
Phenanthrene		UJ	11.6		UJ	11.2		U	11.3
Pyrene		UJ	11.6		UJ	11.2		U	11.3

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

	CTS-SB-22-4-5 11/20/2013			CTS-SB-22-9-10 11/20/2013			CTS-SB-22-12-13 11/20/2013		
Analyte	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		U	11.7		UJ	12.0		UJ	11.9
2-Methylnaphthalene		U	11.7		UJ	12.0		UJ	11.9
Acenaphthene		U	11.7		UJ	12.0		UJ	11.9
Acenaphthylene		U	11.7		UJ	12.0		UJ	11.9
Anthracene		U	11.7		UJ	12.0		UJ	11.9
Benzo(a)anthracene	1.3	J	11.7	0.97	J	12.0		UJ	11.9
Benzo(a)pyrene		U	11.7		UJ	12.0		UJ	11.9
Benzo(b)fluoranthene		U	11.7	1.3	J	12.0		UJ	11.9
Benzo(g,h,i)perylene		U	11.7		UJ	12.0		UJ	11.9
Benzo(k)fluoranthene		U	11.7	2.2	J	12.0		UJ	11.9
Chrysene		U	11.7		UJ	12.0		UJ	11.9
Dibenz(a,h)anthracene		U	11.7		UJ	12.0		UJ	11.9
Fluoranthene		U	11.7		UJ	12.0		UJ	11.9
Fluorene		U	11.7		UJ	12.0		UJ	11.9
Indeno(1,2,3-cd)pyrene		U	11.7		UJ	12.0		UJ	11.9
Naphthalene		U	11.7		UJ	12.0		UJ	11.9
Phenanthrene		U	11.7		UJ	12.0		UJ	11.9
Pyrene		U	11.7		UJ	12.0		UJ	11.9

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

	CTS-SB-23-0-1 11/18/2013			CTS-SB-23-9-10 11/18/2013			CTS-SB-23-14-15 11/18/2013		
Analyte	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	12.1		UJ	12.1		UJ	10.9
2-Methylnaphthalene		UJ	12.1		UJ	12.1		UJ	10.9
Acenaphthene		UJ	12.1		UJ	12.1		UJ	10.9
Acenaphthylene		UJ	12.1		UJ	12.1		UJ	10.9
Anthracene		UJ	12.1		UJ	12.1		UJ	10.9
Benzo(a)anthracene	5.0	J	12.1		U	12.1		U	10.9
Benzo(a)pyrene	4.9	J	12.1		U	12.1		U	10.9
Benzo(b)fluoranthene	4.4	J	12.1		U	12.1		U	10.9
Benzo(g,h,i)perylene		UJ	12.1		U	12.1		U	10.9
Benzo(k)fluoranthene	4.0	J	12.1		U	12.1		U	10.9
Chrysene	5.3	J	12.1		U	12.1		U	10.9
Dibenz(a,h)anthracene		UJ	12.1		U	12.1		U	10.9
Fluoranthene	11.0	J	12.1		UJ	12.1		UJ	10.9
Fluorene		UJ	12.1		UJ	12.1	1.9	J	10.9
Indeno(1,2,3-cd)pyrene		UJ	12.1		U	12.1		U	10.9
Naphthalene		UJ	12.1		UJ	12.1		UJ	10.9
Phenanthrene	4.2	J	12.1		UJ	12.1	26.3	J	10.9
Pyrene	9.0	J	12.1		UJ	12.1		UJ	10.9

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-24-3-4 11/18/2013			CTS-SB-24-8-9 11/18/2013			CTS-SB-24-14-15 11/18/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	11.2		UJ	11.3	2,980		234
2-Methylnaphthalene		UJ	11.2		UJ	11.3	1,050		234
Acenaphthene		UJ	11.2		UJ	11.3	841		234
Acenaphthylene		UJ	11.2		UJ	11.3		U	234
Anthracene		UJ	11.2		UJ	11.3	350		234
Benzo(a)anthracene		U	11.2		UJ	11.3		U	234
Benzo(a)pyrene		U	11.2		UJ	11.3		U	234
Benzo(b)fluoranthene		U	11.2		UJ	11.3		U	234
Benzo(g,h,i)perylene		U	11.2		UJ	11.3		U	234
Benzo(k)fluoranthene		U	11.2		UJ	11.3		U	234
Chrysene		U	11.2		UJ	11.3		U	234
Dibenz(a,h)anthracene		U	11.2		UJ	11.3		U	234
Fluoranthene		UJ	11.2		UJ	11.3		U	234
Fluorene		UJ	11.2		UJ	11.3	663		234
Indeno(1,2,3-cd)pyrene		U	11.2		UJ	11.3		U	234
Naphthalene		UJ	11.2		UJ	11.3		U	234
Phenanthrene		UJ	11.2		UJ	11.3	806		234
Pyrene		UJ	11.2		UJ	11.3	565		234

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-25-3-4 11/13/2013			CTS-SB-25-9-10 11/13/2013			CTS-SB-25-13-14 11/13/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	11.4		UJ	11.5		U	13.1
2-Methylnaphthalene		UJ	11.4		UJ	11.5		U	13.1
Acenaphthene		UJ	11.4		UJ	11.5		U	13.1
Acenaphthylene		UJ	11.4		UJ	11.5		UJ	13.1
Anthracene		UJ	11.4		UJ	11.5		U	13.1
Benzo(a)anthracene		UJ	11.4		UJ	11.5		U	13.1
Benzo(a)pyrene		UJ	11.4		UJ	11.5		U	13.1
Benzo(b)fluoranthene		UJ	11.4		UJ	11.5		UJ	13.1
Benzo(g,h,i)perylene		UJ	11.4		UJ	11.5		UJ	13.1
Benzo(k)fluoranthene		UJ	11.4		UJ	11.5		UJ	13.1
Chrysene		UJ	11.4		UJ	11.5		U	13.1
Dibenz(a,h)anthracene		UJ	11.4		UJ	11.5		U	13.1
Fluoranthene		UJ	11.4		UJ	11.5		U	13.1
Fluorene		UJ	11.4		UJ	11.5		UJ	13.1
Indeno(1,2,3-cd)pyrene		UJ	11.4		UJ	11.5		U	13.1
Naphthalene		UJ	11.4		UJ	11.5		U	13.1
Phenanthrene		UJ	11.4		UJ	11.5		U	13.1
Pyrene		UJ	11.4		UJ	11.5	143	J	13.1

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTSCSS-SB-204-0-1 11/20/2013			CTSCSS-SB-204-9-10 11/20/2013			CTSCSS-SB-204-11-12 11/20/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	11.1		UJ	12.0		UJ	12.0
2-Methylnaphthalene		UJ	11.1		UJ	12.0		UJ	12.0
Acenaphthene		UJ	11.1		UJ	12.0		UJ	12.0
Acenaphthylene		UJ	11.1		UJ	12.0		UJ	12.0
Anthracene		UJ	11.1		UJ	12.0		UJ	12.0
Benzo(a)anthracene		UJ	11.1		UJ	12.0		UJ	12.0
Benzo(a)pyrene		UJ	11.1		UJ	12.0		UJ	12.0
Benzo(b)fluoranthene		UJ	11.1		UJ	12.0		UJ	12.0
Benzo(g,h,i)perylene		UJ	11.1		UJ	12.0		UJ	12.0
Benzo(k)fluoranthene		UJ	11.1		UJ	12.0		UJ	12.0
Chrysene		UJ	11.1		UJ	12.0		UJ	12.0
Dibenz(a,h)anthracene		UJ	11.1		UJ	12.0		UJ	12.0
Fluoranthene		UJ	11.1		UJ	12.0		UJ	12.0
Fluorene		UJ	11.1		UJ	12.0		UJ	12.0
Indeno(1,2,3-cd)pyrene		UJ	11.1		UJ	12.0		UJ	12.0
Naphthalene		UJ	11.1		UJ	12.0		UJ	12.0
Phenanthrene		UJ	11.1		UJ	12.0		UJ	12.0
Pyrene		UJ	11.1		UJ	12.0		UJ	12.0

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

	CTSCSS-SB-205-0-1 11/20/2013			CTSCSS-SB-205-6-7 11/20/2013			CTSCSS-SB-205-14-15 11/20/2013		
Analyte	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	11.4		UJ	11.6	28,200		628
2-Methylnaphthalene		UJ	11.4		UJ	11.6	25,800		628
Acenaphthene		UJ	11.4		UJ	11.6	414	J	628
Acenaphthylene		UJ	11.4		UJ	11.6		U	628
Anthracene		UJ	11.4		UJ	11.6	531	J	628
Benzo(a)anthracene		UJ	11.4		UJ	11.6		U	628
Benzo(a)pyrene		UJ	11.4		UJ	11.6		U	628
Benzo(b)fluoranthene		UJ	11.4		UJ	11.6		U	628
Benzo(g,h,i)perylene		UJ	11.4		UJ	11.6		U	628
Benzo(k)fluoranthene		UJ	11.4		UJ	11.6		U	628
Chrysene		UJ	11.4		UJ	11.6		U	628
Dibenz(a,h)anthracene		UJ	11.4		UJ	11.6		U	628
Fluoranthene		UJ	11.4		UJ	11.6	137	J	628
Fluorene		UJ	11.4		UJ	11.6	1,140		628
Indeno(1,2,3-cd)pyrene		UJ	11.4		UJ	11.6		U	628
Naphthalene		UJ	11.4		UJ	11.6		U	628
Phenanthrene		UJ	11.4		UJ	11.6	9,610		628
Pyrene		UJ	11.4		UJ	11.6	519	J	628

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

	CTSCSS-SB-206-4-5 11/18/2013			CTSCSS-SB-206-8-10 11/18/2013			CTSCSS-SB-206-14-15 11/18/2013		
Analyte	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	13.3		UJ	11.9	1,530		271
2-Methylnaphthalene		UJ	13.3	1.7	J	11.9	1,590		271
Acenaphthene		UJ	13.3		UJ	11.9		U	271
Acenaphthylene		UJ	13.3		UJ	11.9		U	271
Anthracene		UJ	13.3		UJ	11.9		U	271
Benzo(a)anthracene		UJ	13.3		UJ	11.9		U	271
Benzo(a)pyrene		UJ	13.3		UJ	11.9		U	271
Benzo(b)fluoranthene		UJ	13.3		UJ	11.9		U	271
Benzo(g,h,i)perylene		UJ	13.3		UJ	11.9		U	271
Benzo(k)fluoranthene		UJ	13.3		UJ	11.9		U	271
Chrysene		UJ	13.3		UJ	11.9		U	271
Dibenz(a,h)anthracene		UJ	13.3		UJ	11.9		U	271
Fluoranthene		UJ	13.3		UJ	11.9		U	271
Fluorene		UJ	13.3		UJ	11.9	258	J	271
Indeno(1,2,3-cd)pyrene		UJ	13.3		UJ	11.9		U	271
Naphthalene		UJ	13.3		UJ	11.9		U	271
Phenanthrene		UJ	13.3		UJ	11.9	477		271
Pyrene		UJ	13.3		UJ	11.9	233	J	271

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTSCSS-SB-207-3-4 11/12/2013			CTSCSS-SB-207-6-7 11/12/2013			CTSCSS-SB-207-13-14 11/12/2013		
	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	11.3		UJ	12.3	21,400		551
2-Methylnaphthalene	1.9	J	11.3		UJ	12.3	22,100		551
Acenaphthene		UJ	11.3		UJ	12.3	1,540		551
Acenaphthylene		UJ	11.3		UJ	12.3		U	551
Anthracene		UJ	11.3		UJ	12.3		U	551
Benzo(a)anthracene		U	11.3		U	12.3		U	551
Benzo(a)pyrene		U	11.3		U	12.3		U	551
Benzo(b)fluoranthene		U	11.3		U	12.3		U	551
Benzo(g,h,i)perylene		U	11.3		U	12.3		U	551
Benzo(k)fluoranthene		U	11.3		U	12.3		U	551
Chrysene		U	11.3		U	12.3		U	551
Dibenz(a,h)anthracene		U	11.3		U	12.3		U	551
Fluoranthene		UJ	11.3		UJ	12.3		U	551
Fluorene		UJ	11.3		UJ	12.3	4,260		551
Indeno(1,2,3-cd)pyrene		U	11.3		U	12.3		U	551
Naphthalene		UJ	11.3		UJ	12.3		U	551
Phenanthrene		UJ	11.3		UJ	12.3	7,410		551
Pyrene		UJ	11.3		UJ	12.3	921		551

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

	CTSCSS-SB-208-4-5 11/20/2013			CTSCSS-SB-208-7-9 11/20/2013			CTSCSS-SB-208-12-13 11/20/2013		
Analyte	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		U	12.3		UJ	12.0		UJ	13.3
2-Methylnaphthalene		U	12.3		UJ	12.0		UJ	13.3
Acenaphthene		U	12.3		UJ	12.0		UJ	13.3
Acenaphthylene		U	12.3		UJ	12.0		UJ	13.3
Anthracene		U	12.3		UJ	12.0		UJ	13.3
Benzo(a)anthracene		U	12.3		UJ	12.0		UJ	13.3
Benzo(a)pyrene	2.8	J	12.3		UJ	12.0		UJ	13.3
Benzo(b)fluoranthene	2.7	J	12.3		UJ	12.0		UJ	13.3
Benzo(g,h,i)perylene	4.1	J	12.3		UJ	12.0		UJ	13.3
Benzo(k)fluoranthene	3.3	J	12.3		UJ	12.0		UJ	13.3
Chrysene		U	12.3		UJ	12.0		UJ	13.3
Dibenz(a,h)anthracene	4.1	J	12.3		UJ	12.0		UJ	13.3
Fluoranthene		U	12.3		UJ	12.0		UJ	13.3
Fluorene		U	12.3		UJ	12.0		UJ	13.3
Indeno(1,2,3-cd)pyrene	4.1	J	12.3		UJ	12.0		UJ	13.3
Naphthalene		U	12.3		UJ	12.0		UJ	13.3
Phenanthrene		U	12.3		UJ	12.0		UJ	13.3
Pyrene		U	12.3		UJ	12.0		UJ	13.3

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

	CTS-SB-501 (CTS-SB-18-10-12) 11/13/2013			CTS-SB-502 (CTS-SB-04-11-12) 11/18/2013			CTS-SB-503 (CTS-SB-11-14-15) 11/19/2013		
Analyte	**Concentration**	**Flag**	**Reporting Limit**	**Concentration**	**Flag**	**Reporting Limit**	**Concentration**	**Flag**	**Reporting Limit**
1-Methylnaphthalene		UJ	12.5	25.1	J	11.4		UJ	12.6
2-Methylnaphthalene		UJ	12.5	12.0	J	11.4		UJ	12.6
Acenaphthene		UJ	12.5		UJ	11.4		UJ	12.6
Acenaphthylene		UJ	12.5		UJ	11.4		UJ	12.6
Anthracene		UJ	12.5		UJ	11.4		UJ	12.6
Benzo(a)anthracene		U	12.5		UJ	11.4		UJ	12.6
Benzo(a)pyrene		U	12.5		UJ	11.4		UJ	12.6
Benzo(b)fluoranthene		U	12.5		UJ	11.4		UJ	12.6
Benzo(g,h,i)perylene		U	12.5		UJ	11.4		UJ	12.6
Benzo(k)fluoranthene		U	12.5		UJ	11.4		UJ	12.6
Chrysene		U	12.5		UJ	11.4		UJ	12.6
Dibenz(a,h)anthracene		U	12.5		UJ	11.4		UJ	12.6
Fluoranthene		UJ	12.5		UJ	11.4		UJ	12.6
Fluorene		UJ	12.5		UJ	11.4		UJ	12.6
Indeno(1,2,3-cd)pyrene		U	12.5		UJ	11.4		UJ	12.6
Naphthalene		UJ	12.5		UJ	11.4		UJ	12.6
Phenanthrene		UJ	12.5	80.6	J	11.4		UJ	12.6
Pyrene		UJ	12.5	11.9	J	11.4		UJ	12.6

TABLE 4
Analytical Results of Soil Samples by EPA Method 8270 SIM (PAHs)
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-030-9450

Analyte	CTS-SB-504 (CTS-SB-12-14-15) 11/20/2013		
	Concentration	Flag	Reporting Limit
1-Methylnaphthalene		UJ	12.8
2-Methylnaphthalene		UJ	12.8
Acenaphthene		UJ	12.8
Acenaphthylene		UJ	12.8
Anthracene		UJ	12.8
Benzo(a)anthracene		UJ	12.8
Benzo(a)pyrene		UJ	12.8
Benzo(b)fluoranthene		UJ	12.8
Benzo(g,h,i)perylene		UJ	12.8
Benzo(k)fluoranthene		UJ	12.8
Chrysene		UJ	12.8
Dibenz(a,h)anthracene		UJ	12.8
Fluoranthene		UJ	12.8
Fluorene		UJ	12.8
Indeno(1,2,3-cd)pyrene		UJ	12.8
Naphthalene		UJ	12.8
Phenanthrene		UJ	12.8
Pyrene	15.4	J	12.8

Notes:

1. Concentrations are in micrograms per kilogram (μg/kg).
2. PAHs = polycyclic aromatic hydrocarbons.
3. SIM = selective ion monitoring.
4. U = analyte not detected above the method detection limit.
5. J = estimated concentration.
6. UJ = estimated reporting limit.

Prepared By: SEK 2/27/14
Checked By: ELF 3/5/14

TABLE 5
Analytical Results of Moisture Content in Soil Samples
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

Sample ID	Date of Sample Collection	Percent Moisture
CTS-SB-01-4-5	11/19/2013	10.5
CTS-SB-01-7-8	11/19/2013	8.5
CTS-SB-01-11-12	11/19/2013	20.2
CTS-SB-04-3-4	11/18/2013	10.4
CTS-SB-04-6-7	11/18/2013	8.5
CTS-SB-04-11-12	11/18/2013	13.0
CTS-SB-07-0-1	11/20/2013	16.9
CTS-SB-07-9-10	11/20/2013	16.9
CTS-SB-07-13-14	11/20/2013	19.2
CTS-SB-11-3-5	11/19/2013	13.1
CTS-SB-11-7-8	11/19/2013	15.3
CTS-SB-11-14-15	11/19/2013	20.1
CTS-SB-12-2-3	11/20/2013	10.1
CTS-SB-12-9-10	11/20/2013	10.8
CTS-SB-12-14-15	11/20/2013	21.7
CTS-SB-13-2-3	11/19/2013	17.9
CTS-SB-13-5-6	11/19/2013	14.7
CTS-SB-13-10-11	11/19/2013	17.0
CTS-SB-14-3-4	11/19/2013	20.0
CTS-SB-14-7-8	11/19/2013	12.9
CTS-SB-14-10-11	11/19/2013	13.6
CTS-SB-15-4-5	11/19/2013	12.5
CTS-SB-15-7-8	11/19/2013	12.1
CTS-SB-15-11-12	11/19/2013	17.8
CTS-SB-16-4-5	11/19/2013	13.7
CTS-SB-16-7-8	11/19/2013	18.3
CTS-SB-16-10-11	11/19/2013	22.4
CTS-SB-17-0-1	11/12/2013	20.6
CTS-SB-17-9-10	11/12/2013	9.0
CTS-SB-17-13-14	11/12/2013	22.2
CTS-SB-18-4-5	11/13/2013	15.1
CTS-SB-18-5-6	11/13/2013	15.7
CTS-SB-18-10-12	11/13/2013	21.4
CTS-SB-19-2-3	11/13/2013	6.0
CTS-SB-19-8-10	11/13/2013	13.6
CTS-SB-19-14-15	11/13/2013	20.1

Sample ID	Date of Sample Collection	Percent Moisture
CTS-SB-20-3-4	11/20/2013	14.9
CTS-SB-20-9-10	11/20/2013	10.0
CTS-SB-20-14-15	11/20/2013	15.4
CTS-SB-21-1-2	11/12/2013	13.6
CTS-SB-21-9-10	11/12/2013	11.1
CTS-SB-21-14-15	11/12/2013	11.3
CTS-SB-22-4-5	11/20/2013	14.3
CTS-SB-22-9-10	11/20/2013	16.4
CTS-SB-22-12-13	11/20/2013	16.0
CTS-SB-23-0-1	11/18/2013	17.7
CTS-SB-23-9-10	11/18/2013	17.3
CTS-SB-23-14-15	11/18/2013	8.6
CTS-SB-24-3-4	11/18/2013	10.3
CTS-SB-24-8-9	11/18/2013	11.6
CTS-SB-24-14-15	11/18/2013	14.7
CTS-SB-25-3-4	11/13/2013	12.6
CTS-SB-25-9-10	11/13/2013	13.0
CTS-SB-25-13-14	11/13/2013	23.6
CTSCSS-SB-204-0-1	11/20/2013	9.7
CTSCSS-SB-204-9-10	11/20/2013	16.9
CTSCSS-SB-204-11-12	11/20/2013	16.8
CTSCSS-SB-205-0-1	11/20/2013	12.4
CTSCSS-SB-205-6-7	11/20/2013	13.9
CTSCSS-SB-205-14-15	11/20/2013	20.3
CTSCSS-SB-206-4-5	11/18/2013	24.9
CTSCSS-SB-206-8-10	11/18/2013	16.2
CTSCSS-SB-206-14-15	11/18/2013	26.1
CTSCSS-SB-207-3-4	11/12/2013	11.4
CTSCSS-SB-207-6-7	11/12/2013	18.9
CTSCSS-SB-207-13-14	11/12/2013	9.3
CTSCSS-SB-208-4-5	11/20/2013	18.9
CTSCSS-SB-208-7-9	11/20/2013	16.6
CTSCSS-SB-208-12-13	11/20/2013	24.9
CTS-SB-501	11/13/2013	20.2
CTS-SB-502	11/18/2013	12.1
CTS-SB-503	11/19/2013	20.9
CTS-SB-504	11/20/2013	21.8

Prepared By: SEK 2/27/14
Checked By: ELF 2/28/14

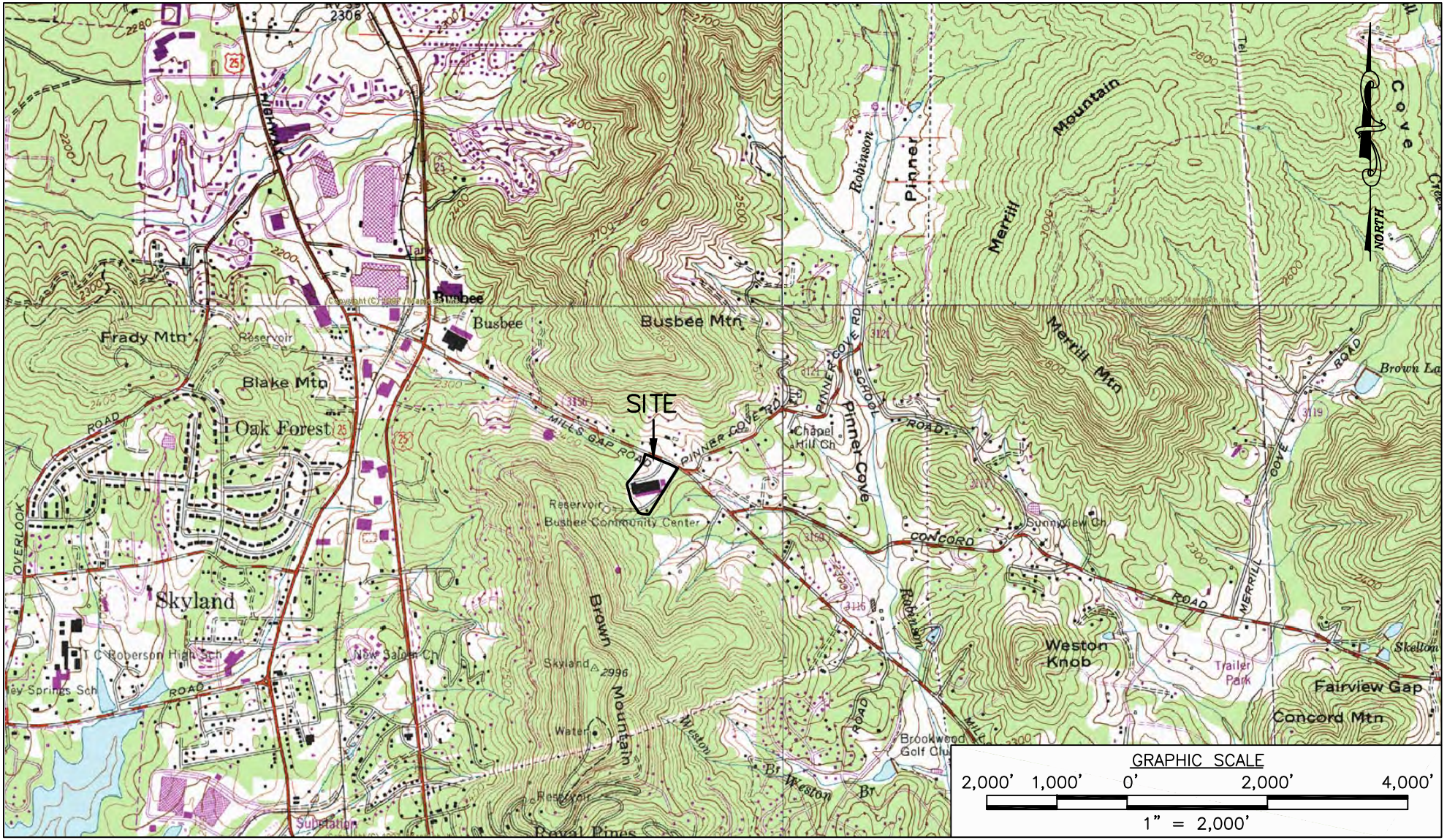
TABLE 6
Source Area Depth to Water Measurements
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

Monitoring Well/ Piezometer	Screened Interval (feet bgs)	Depth to Water in 2004	Depth to Water in 2009	Depth to Water in 2013
PZ-1	9.35 - 19.35	14.50	DNM	7.64
PZ-2	23.5 - 33.5	20.78	DNM	12.43*
MW-2	18.3 - 28.0	N/A	19.64	6.75
MW-3	26.1 - 35.8	N/A	27.32	14.43*

Notes:
1. bgs - below ground surface
2. Depth to water measurements are in feet from the top of the well/piezometer casing.
3. N/A - not applicable (well not installed in 2004).
4. DNM - did not measure.
5. * - depth adjusted to account for light non-aqueous phase liquid in well/piezometer.

Prepared By: SEK 4/9/14
Checked By: MEW 4/23/14

FIGURES

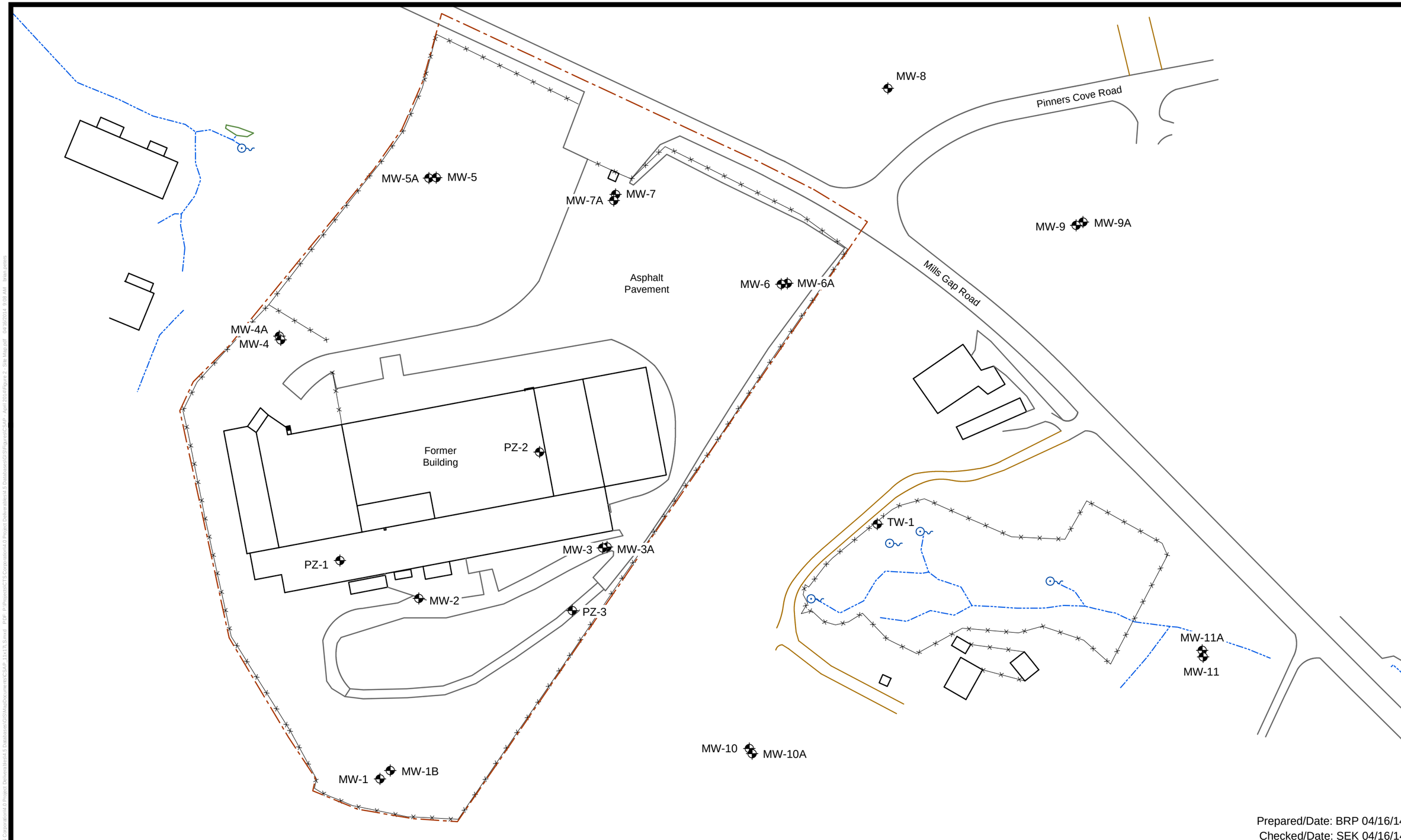


TOPOGRAPHIC SITE LOCATION MAP
MILLS GAP ROAD GROUNDWATER CONTAMINATION SITE
ASHEVILLE, NORTH CAROLINA

amec

DRAWN: SEK	ENG CHECK: --	DATE: MAY 2014	PROJECT: 6690039450
DFT CHECK: MEW	APPROVAL: MEW	SCALE: 1" = 2,000'	FIGURE: 1

REFERENCE: USGS QUADRANGLES: ASHEVILLE (1961), OTEEN (1962), FRUITLAND (1978) AND SKYLAND (1978)



Mills Gap Road
Groundwater Contamination Site
Skyland, North Carolina

amec

Site Map

Project 6690039450

Figure 2

Discharge Stack

Former Building

VE-12

VE-14

PZ-2

VE-15

VE-10

VE-11

VE-13

VE-7

VE-8

SVE Equipment Enclosure

VE-9

VE-6

PZ-1

VE-1

VE-5

VE-4

VE-3

VE-2

PZ-3

Legend

- Vapor Extraction Well
- Piezometer
- SVE Pipe (2-inch diameter PVC)
- SVE Pipe (4-inch diameter PVC)
- Discharge Piping
- Fence
- Property Line

N

0 20 40 Feet

Prepared/Date: BRP 04/07/14
Checked/Date: SEK 04/07/14

Mills Gap Road
Groundwater Contamination Site
Skyland, North Carolina

amec

SVE System Layout

Project 6690039450 Figure 3

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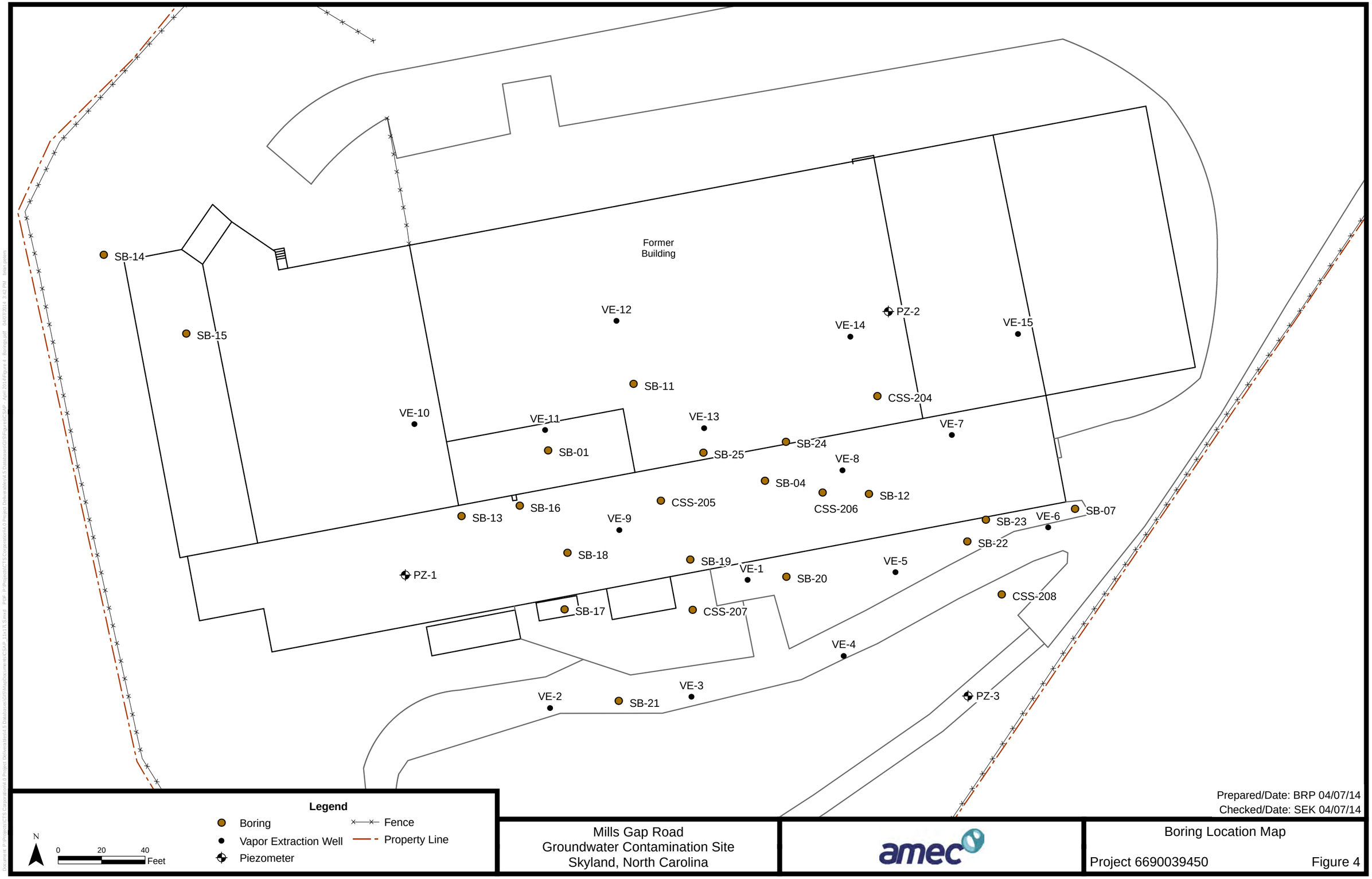


Prepared/Date: BRP 04/07/14
Checked/Date: SEK 04/07/14

Mills Gap Road
Groundwater Contamination Site
Skyland, North Carolina

amec

Boring Location Map

Project 6690039450 Figure 4

Former Building

SB-14
3 - 4: 52.0
7 - 8: 7.3
10 - 11: 7.2

SB-15
4 - 5: 14,800
7 - 8: 34.7
11 - 12: 127

SB-16
4 - 5: 1,010
7 - 8: 972
10 - 11*: 495

SB-13
2 - 3: 17.3
5 - 6: ND
10 - 11*: 3.3 J

PZ-1

SB-18
4 - 5: 57.7
5 - 6: 14
10 - 12*: 191 J

SB-18 (DUP)
10 - 12*: 361 J

VE-10

SB-01
4 - 5: 34.9
7 - 8: 75.3
11 - 12*: 2,630

VE-11

VE-12

SB-11
3 - 5: 3.3 J
7 - 8: 3.2 J
14 - 15*: 50.1

SB-11 (DUP)
14 - 15*: 67.8

CSS-205
0 - 1: 5.0 J
6 - 7: 7.3
14 - 15*: 19,400

VE-9

SB-19
2 - 3: 7.5
8 - 10: 11.4
14 - 15*: 11,800 J

SB-17
0 - 1: 883
9 - 10: 929 J
13 - 14*: 3,110

CSS-207
3 - 4: 19.3
6 - 7: 54.1
13 - 14*: 47,400

VE-2

SB-21
1 - 2: ND
9 - 10: 10.7
14 - 15*: 44.4

VE-3

VE-13

SB-25
3 - 4: 4.2 J
9 - 10: 27.5
13 - 14*: 492

SB-24
3 - 4: ND
8 - 9: ND
14 - 15*: 6,870

SB-04
3 - 4: 3.3 J
6 - 7: ND
11 - 12*: 146 J

SB-04 (DUP)
11 - 12*: 49.1 J

VE-1

SB-20
3 - 4: 307
9 - 10: 10.5
14 - 15*: 712

VE-4

VE-14

PZ-2

CSS-204
0 - 1: ND
9 - 10: ND
11 - 12: 6.0

VE-7

VE-8

SB-12
2 - 3: ND
9 - 10: ND
14 - 15*: ND

SB-12 (DUP)
14 - 15*: 16.2

CSS-206
4 - 5: ND
8 - 10: ND
14 - 15*: 481

VE-5

SB-22
4 - 5: ND
9 - 10: ND
12 - 13: ND

VE-15

SB-23
0 - 1: ND
9 - 10: ND
14 - 15: ND

VE-6

SB-07
0 - 1: ND
9 - 10: ND
13 - 14: ND

CSS-208
4 - 5: 2.6 J
7 - 9: ND
12 - 13: ND

PZ-3

SB-18
4 - 5: 57.7
5 - 6: 14
10 - 12*: 191 J

Sample Name
Top Depth - Bottom Depth: TCE concentration

Legend
- Boring
- Vapor Extraction Well
- Piezometer
- Fence
- Property Line

Notes:
concentrations in ug/kg
J = estimated concentration
ND = TCE not detected above method detection limit
* soil sample collected below apparent water table or within capillary fringe

N
0 20 40 Feet

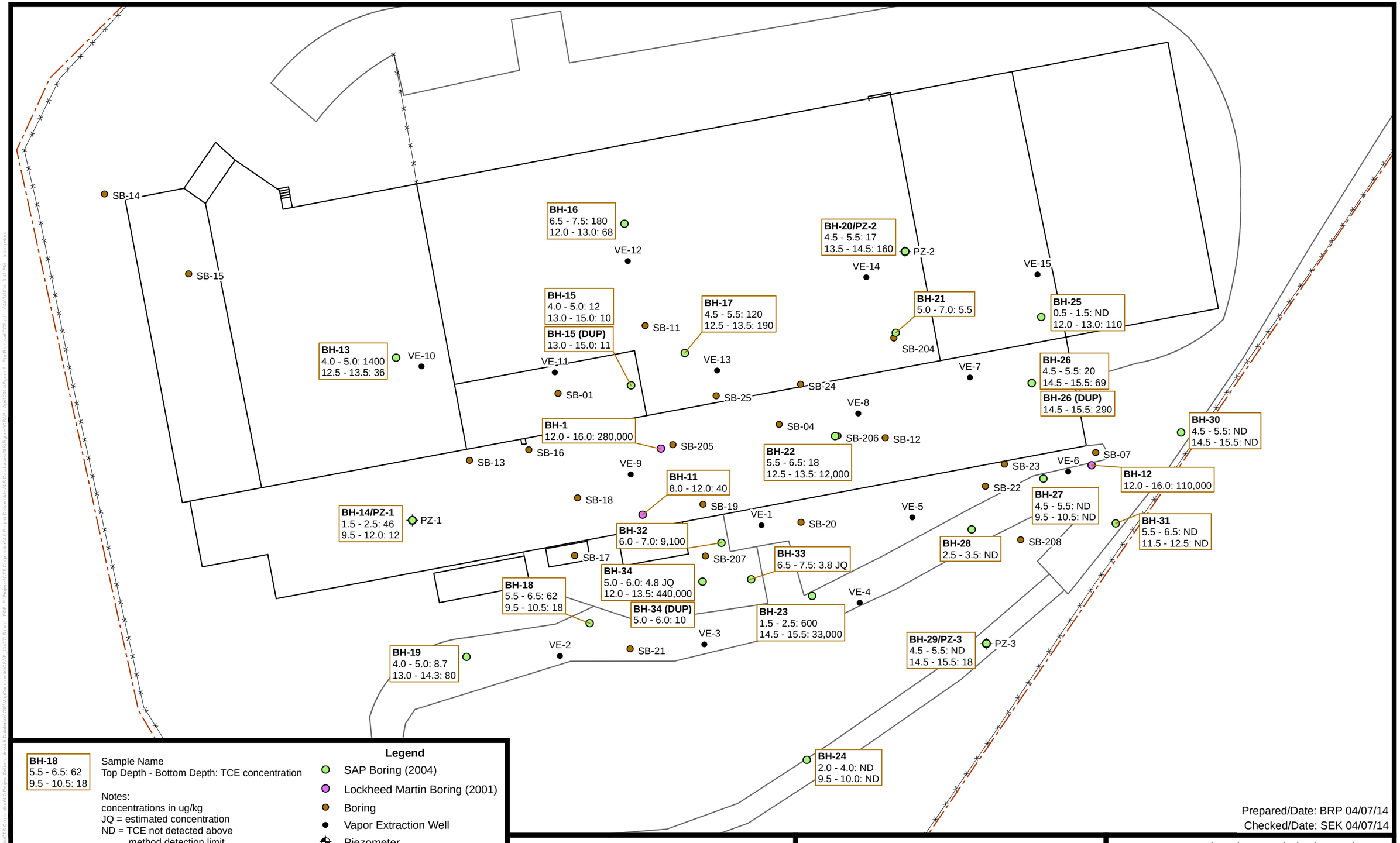
Prepared/Date: BRP 04/30/14
Checked/Date: SEK 04/30/14

Mills Gap Road
Groundwater Contamination Site
Skyland, North Carolina

amec

Analytical Results of Soil Samples (TCE)

Project 6690039450 Figure 5



BH-18
5.5 - 6.5: 62
9.5 - 10.5: 18

Sample Name
Top Depth - Bottom Depth: TCE concentration

Notes:
concentrations in ug/kg
JQ = estimated concentration
ND = TCE not detected above method detection limit

N

0 20 40 Feet

Legend

- SAP Boring (2004)
- Lockheed Martin Boring (2001)
- Boring
- Vapor Extraction Well
- Piezometer
- Fence
- Property Line

Prepared/Date: BRP 04/07/14
Checked/Date: SEK 04/07/14

Mills Gap Road
Groundwater Contamination Site
Skyland, North Carolina

amec

Pre-Removal Action Analytical Results
for TCE in Soil Samples
Project 6690039450 Figure 6

APPENDIX A

LOGBOOK

Location Asheville, NC Date 11/4/13

Project / Client LTS of Asheville/Mills Gap GW

6690039450 S. Kelly/AMEC P. 1/1

For 11/4/13, see pages 69 through 71 of the NAPL investigation log book

Amanda S 11/4/13

Location Asheville, NC Date 11/5/13

Project / Client CTS of Asheville/Mills Gap GW

606090039450 S.Kelly/AMEC P. 1/1

For 11/5/13, see pages 72 through 74 of the NAPL ~~Inveg~~ (11/5/13) Investigation log book.

S. Kelly 11/5/13

Location Asheville, NC Date 11/6/13

Project / Client CTS of Asheville/Mills Gap GW

606090039450 S.Kelly/AMEC P. 1/1

For 11/6/13, see pages 75 and 76 of the NAPL Investigation log book.

S. Kelly 11/6/13

6

Location Asheville, NC Date 11/7/13

Project / Client ETS of Asheville/Mills Gap GW

66900039450 S.Kelly/AMEC P. 1/1

For 11/7/13, see NAPL Investigation log book, pages 77 and 78.

11/7/13

7

Location Asheville, NC Date 11/8/13

Project / Client ETS of Asheville/Mills Gap GW

66900039450 S.Kelly/AMEC P. 1/1

For 11/8/13 see pages 79 & 80 of the NAPL Investigation log book.

11/8/13

8

Location Asheville, NC Date 11/9/13

Project / Client CTS of Asheville / Mills Gap GW

6690039450 S.Kelly/AMEC P. 1/1

For 11/9/13, see pages 81 through 83 of the NAPL Investigation log book.

11/9/13

9

Location Asheville, NC Date 11/10/13

Project / Client CTS of Asheville / Mills Gap GW

6690039450 S.Kelly/AMEC P. 1/1

For 11/10/13, see pages 84 and 85 of the NAPL Investigation log book.

11/10/13

Location Asheville, NC Date 11/11/13

Project / Client CTS of Asheville / Mills Gap GW

0690039450 S.Kelly/AMEC P.1/3

930 - S.Kelly/AMEC, R.Stubbs/OTIE and Zebra arrive at site
- weather today anticipated to be sunny and upper 50sF
- Zebra unloads equipment from trailer

745 - Zebra sets up equipment at CTS-SB-23 and conducts pre-run MiHPT response tests

835 - advancing MiHPT

850 - heater on MiHPT probe not working correctly; Zebra stops log and pulls MiHPT tooling
- Because the CSAP directs the use of MIP and not HPT, a MIP probe will be used; Zebra connects MIP tooling and conducts MIP response tests

930 advancing MIP at CTS-SB-23 (offset approximately 1 foot west of original boring)

955 - at 15ft; Zebra pulls MIP

1005 - Zebra moves equipment to CTS-SB-22, conducts pre-run MIP response tests and advance MIP to 15ft

1030 - at 15ft; Zebra pulls MIP and

Location Asheville, NC Date 11/11/13

Project / Client CTS of Asheville / Mills Gap GW

0690039450 S.Kelly/AMEC P.2/3

conducts post-run MIP response tests

1045 - Zebra moves to CTS-SB-20

1055 - Advancing MIP at CTS-SB-20 to 15ft

1115 - at 15ft; Zebra pulls MIP and conducts post-run MIP response tests

1130 - 1215 lunch

1215 - Zebra moves equipment to CTS-SB-21 and conducts response tests

1230 - advancing MIP at CTS-SB-21

1245 - at 15ft; Zebra pulls MIP and conducts post-run response tests

1300 - Zebra moves to CTS-SB-18 and conducts pre-run response tests

1330 - at 15ft; Zebra pulls MIP; conducts post run response tests

1335 - Zebra moves to CTS-SB-16 and conducts pre-run response tests

1350 - advancing MIP at CTS-SB-16

1410 - at 15ft; Zebra pulls MIP and conducts post-run response tests

1420 - Zebra moves to CTS-SB-15 and conducts pre-run MIP response tests

Location Asheville, NC Date 11/11/13

Project / Client CTS of Asheville/Mills Gap GW
6690039450 S. Kelly/AMEC P. 3/3

1430 - advancing MIP at CTS-SB-15
1450 - at 15ft; Zebra pulls MIP and conducts post-run MIP response tests
1500 - Zebra moves to CTS-SB-14 and conducts pre-run MIP response tests
1515 - advancing MIP at CTS-SB-14
1535 - at 15ft; Zebra pulls MIP and conducts post-run respone tests
1545 - Zebra moves equipment to CTS-SB-19 and conducts pre-run MIP response tests
1555 - advancing MIP at CTS-SB-19; borehole is too cracked, so offset boring and advance MIP
1625 - @ 15ft; Zebra pulls MIP and conducts post-run MIP response tests
1635 - Zebra moves equipment to CTS-SB-25 and conducts pre-run MIP response tests
1640 - Advancing MIP at CTS-SB-25
1700 - at 15ft; Zebra pulls MIP and conducts post-run MIP response tests
1725 - S. Kelly and R. Stubbs leave site; Zebra loading equipment and will leave in a few minutes

11/11/13

Location Asheville, NC Date 11/12/13

Project / Client CTS of Asheville/Mills Gap GW
6690039450 S. Kelly/AMEC. P. 1/2

830 - S. Kelly/AMEC arrives at site; J. Avritt/AMEC, R. Stubbs/QTIE, and Zebra are at site
- Zebra is unloading equipment and moves to CTS-SB-24 and conducts pre-run response tests
- J. Avritt to store to purchase isopropyl alcohol and aluminum foil for decontamination procedures

910 Zebra advancing MIP at CTS-SB-24
- encounter hard layer/material at 2ft below surface, so offset boring approximately 2ft north

945 - at 15ft; Zebra pulls MIP and conducts post-run response tests
955 - Zebra moves equipment to CSS-206 and conducts pre-run response tests
1010 - advancing MIP at CSS-206
1025 - at 15ft; Zebra pulls MIP and conducts post-run response tests
1040 - S. Kelly and J. Avritt go to lab (Pace Asheville) to get sample containers for soil sampling
1140 - S. Kelly & J. Avritt return

Location Asheville, NC Date 11/12/13

Project / Client CTS of Asheville / Mills Gap GW

06900394S0 S.Kelly / AMEC P. 2/2

1150 - Zebra returns to site (Zebra went to purchase concrete to repair concrete slab at MTP-43)

1200 - 1255 lunch

1255 - Zebra sets up rig at CTS-SB-21 for soil sampling via dual-tube
- S. Kelly, calibrates PID
- fresh air (0.0ppm) reading = 0.0ppm
- isobutylene (100ppm) reading = 100.0ppm
- J. Avritt & S. Kelly collect soil samples at 1 to 2 ft; 4 to 5 ft; and 9 to 10 ft (see sample summary record)

1410 - Zebra moves rig to CTS-207 and advances dual tube to 15 ft
- S. Kelly and J. Avritt collect samples at 3 to 4 ft; 6-7 ft; and 13-14 ft

1450 - Zebra moves rig to CTS-SB-17

1500 - J. Avritt leaves site

1500-1530 - S. Kelly collects soil samples at 0 to 1 ft; 9-10 ft; and 13 to 14 ft

Location Asheville, NC Date 11/13/13

Project / Client CTS of Asheville / Mills Gap GW

06900394S0 S. Kelly / AMEC P. 1/3

800 - S. Kelly / AMEC and J. Avritt / AMEC at lab (Pace Asheville) to obtain sample containers

830 - S. Kelly and J. Avritt travel to site

850 - arrive at site; R. Stubbs / OTIE and Zebra are at site
- S. Kelly and J. Avritt unload coolers, etc. in trailer

920 - Zebra moves equipment to CTS-SB-19
- S. Kelly calibrates PID
- fresh air (0.0ppm) = reading = 0.0ppm
- isobutylene (100ppm) reading = 99.9ppm

930 - S. Kelly and J. Avritt collect rinsate blank CTS-RB-01 (945) using Geoprobe soil sampling liner (dual-tube) and drill shoe

950 - S. Kelly and J. Avritt with assistance of R. Stubbs collect CTS-RB-02 (955) using decontaminated stainless steel bowl and spoon used for soil sampling

1010 - Zebra advancing dual-tube sampler at CTS-SB-19
- S. Kelly and J. Avritt collect soil

Location Asheville, NC Date 11/13/13

Project / Client CTS of Asheville / Mills Gap GW

0690039450 S. Kelly / AMEC P. 2/3

Samples at 2 to 3 ft, 8 to 10 ft, and 14 to 15 ft (Note: the sample collected from 8 to 10 ft is also being submitted for analysis of 8270 / SIM PAH MS/MSD)

1045 - Zebra moves to CTS-SB-18 and advances dual-tube sampler
- S. Kelly and J. Avritt collect soil samples at 4 to 5 ft, 5 to 6 ft, and 10 to 12 ft

1140 - 1240 lunch (R. Stubbs returns to Atlanta after lunch)

1240 - 1300 - S. Kelly and J. Avritt decon spoons and bowls used for sampling

1300 - Zebra moves equipment to CTS-SB-25
- S. Kelly and J. Avritt collect soil samples at 3 to 4 ft, 9 to 10 ft, and 13 to 14 ft (Note the sample collected from 9 to 10 ft is also being submitted for analysis of 8260 MS/MSD)

1345 - Zebra decons drilling equipment
- S. Kelly and J. Avritt load samples in coolers, decon used spoons / bowls, etc.

Location Asheville, NC Date 11/13/13

Project / Client CTS of Asheville / Mills Gap GW

0690039450 S. Kelly / AMEC P. 3/3

1430 - S. Kelly and J. Avritt travel to Pace Asheville to submit soil samples
- drillers / Zebra are loading equipment and will leave in a few minutes

1500 - S. Kelly signs samples over to lab custodian; Pace personnel will courier samples to the Pace Charlotte lab for analysis

1515 - S. Kelly and J. Avritt leave lab

11/13/13

Location Asheville, NC Date 11/18/13

Project / Client CTS of Asheville / Mills Gap GW

#690039450 S.kelly/AMEC P. 1/2

730 - S.kelly/AMEC, R.Stubbs/OTIE and Zebra arrive at site

- S.kelly unloads coolers/sample containers into work trailer

745 skelly goes to store to purchase ice

955 skelly returns to site

- Zebra is installing new hydrogen tank
- Zebra replaces MiHPT probe with a new probe

950 - Zebra moves equipment to CTS-SB-24

- S.kelly calibrates PID
  - fresh air (0.0ppm) reading = 0.0ppm
  - isobutylene (100ppm) reading = 99.9ppm

1020 - Zebra advancing dual tube sampler

- S.kelly collects soil samples at 3 to 4 ft', 8 to 9 ft', and 14 to 15 ft

1110 - Zebra moves equipment to CTS-SB-04 and advances dual-tube sampler

- S.kelly collects soil samples at 3 to 4 ft', 6 to 7 ft', and 11 to 12 ft', duplicate sample CTS-SB-502

1200-1300 lunch

1300 - Zebra moves equipment to CTS CSS-SB-206 and advances dual-tube sampler

Location Asheville, NC Date 11/18/13

Project / Client CTS of Asheville / Mills Gap GW

#690039450 S.kelly/AMEC. P. 2/2

- skelly collects soil samples at 4 to 5 ft', 8 to 10 ft', and 14 to 15 ft (sample from 8 to 10 ft submitted for MS/MSD analysis)

1400 - S.kelly decontaminates sampling spoons and bowls

1445 - Zebra moves equipment to CTS-SB-23

- S.kelly collects soil samples at 0 to 1 ft', 9 to 10 ft', and 14 to 15 ft

1540 - all leave site for the day

Amanda W 11/8/13

Location Asheville, NC Date 11/18/13

Project / Client CTS of Asheville/Mills Gap GW

669D039450 S.Kelly/AMEC P. 1/2

835 - S.Kelly/AMEC and R.Stubbs/OTIE on site
- S.Kelly calibrates PID
- fresh air (0.0 ppm) reading = 0.0 ppm
- isobutylene (100 ppm) reading = 99.8 ppm

900 - Zebra has arrived at site and unloaded equipment; moves to CTS-SB-13 and advances dual-tube sampler
- S.Kelly collects soil samples at 2 to 3 ft; 5 to 6 ft; and 10 to 11 ft

955 - Zebra moves to CTS-SB-16 and advances dual tube sampler
- S.Kelly collects soil samples at 4 to 5 ft; 7 to 8 ft; and 10 to 11 ft

1045 - S.Kelly decontaminates soil sampling spoons and bowls

1210 - S.Kelly to lab; others to lunch

1245 - S.Kelly at lab (Pace Asheville) and signs over samples to sample custodian; Pace personnel will courier samples to Pace Charlotte lab for analysis

310 - S.Kelly returns to site; Zebra is set up at CTS-SB-15

Location Asheville, NC Date 11/19/13

Project / Client CTS of Asheville/Mills Gap GW

669D039450 S.Kelly/AMEC P. 2/2

- S.Kelly collects soil samples at 4 to 5 ft; 7 to 8 ft; and 11 to 12 ft

1355 - Zebra moves equipment to CTS-SB-14
- S.Kelly collects soil samples at 3 to 4 ft; 7 to 8 ft; and 10 to 11 ft

1445 - S.Kelly decontaminates soil sampling spoons and bowls
- Zebra decons drilling rods

1525 - Zebra moves equipment to CTS-SB-11
- S.Kelly collects soil samples at 3 to 5 ft; 7 to 8 ft; and 14 to 15 ft (sample from 3 to 5 ft submitted for MS/MSD analysis; duplicate sample from 14 to 15 ft, CTS-SB-503 also collected)

1640 - S.Urquhart-Foster and R.Stubbs leave site
- S.Kelly secures sampler, etc.

1645 - S.Kelly leaves site; Zebra loading equipment and will leave in a few minutes

11/19/13

Location Asheville, NC Date 11/20/13

Project / Client CTS of Asheville / Mills Gap GW

6690039450 S. kelly / AMEC P. 1/2

720 - S. kelly / AMEC and R. Stubbs / OTIE arrive at site
- S. kelly calibrates PID
  - fresh air (0.0 ppm) reading = 0.0 ppm
  - isobutylene (100 ppm) reading = 99.9 ppm

740 - Zebra is at site and sets up at CTS-SB-20

750 - Zebra advances dual tube sampler
- S. kelly collects soil samples at 3 to 4 ft; 9 to 10 ft; and 14 to 15 ft

840 - Zebra moves to CTS-SB-22
- S. kelly collects soil samples at 4 to 5 ft; 9 to 10 ft; and 12 to 13 ft

920 - S. kelly decontaminates soil sampling spoons and bowls

1010 - Zebra moves to CTS-SB-07 and advances dual tube sampler
- S. kelly collects soil samplers at 0 to 1 ft; 9 to 10 ft; and 13 to 14 ft

1050 - Zebra moves to CTS CSS-SB-208 and advanced dual tube sampler
- S. kelly collects soil samples at 4 to 5 ft; 7 to 9 ft; and 12 to 13 ft (sample from 7 to 9 ft submitted

Location Asheville, NC Date 11/20/13

Project / Client CTS of Asheville / Mills Gap GW

6690039450 S. kelly / AMEC P. 2/2

for MS/MSD analysis)

1150 - S. kelly & R. Stubbs leave site
- Zebra off site to purchase supplies

1410 - S. kelly, R. Stubbs, and S. Vrgohart-Foster (EPA) return to site
- Zebra is set up at CTS-SB-12 and advances macro-core sampler
- S. kelly collects samples at 2 to 3 ft; 9 to 10 ft; and 14 to 15 ft

1450 - S. kelly decons soil sampling spoons and bowls duplicate CTS-SB-504

1510 - Zebra has moved to CTS CSS-SB-204 and advances macro-core sampler
- S. kelly collects soil samples at 0 to 1 ft; 9 to 10 ft; and 11 to 12 ft

1550 - Zebra moves to CTS CSS-SB-205 and advances macro-core sampler
- S. kelly collects soil samples at 0 to 1 ft; 6 to 7 ft; and 14 to 15 ft

1640 - R. Stubbs and S. V-Foster leave site
- S. kelly loading samples in coolers, decon spoons and bowls, etc

1650 - Zebra leaves site

1730 - S. kelly leaves site [signature] 11/20/13

24

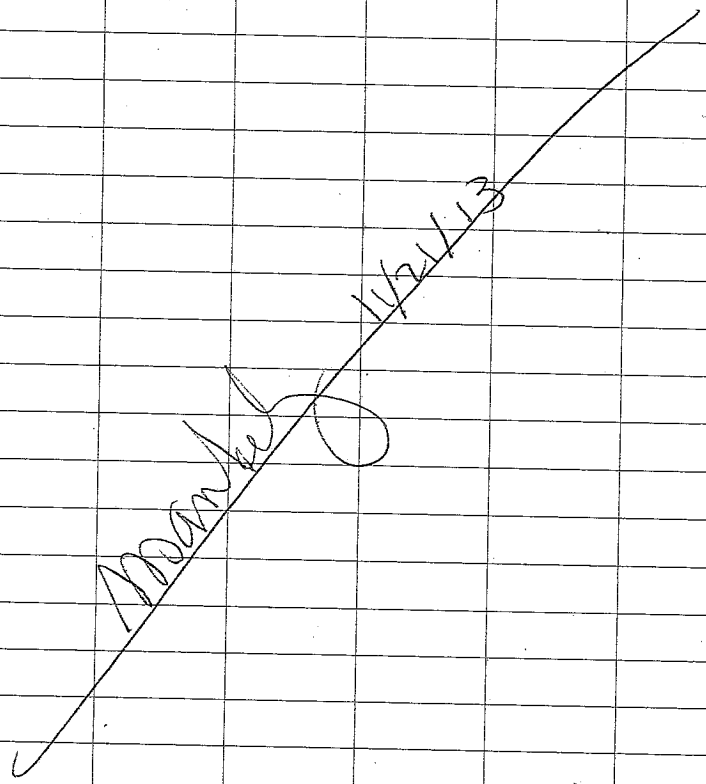
Location Asheville, NC Date 11/21/13

Project / Client UTS of Asheville / Mills Gap GW

6690039450 S.Kelly/AMEC P.1/1

745 - S.Kelly/AMEC arrives at lab (Pace Asheville) and signs over samples to sample custodian. Pace personnel will courier samples to Pace lab in Charlotte, NC for analysis

755 - S.Kelly leaves lab.



Location Asheville, NC Date 11/4/13

Project / Client CTS of Asheville, Inc.

6025212.0000 S. Kelly/AMEC p. 1/3

820 - S. Kelly/AMEC arrives at site
- R. Stubbs/OTIE is waiting at front gate

830 - S. Kelly and R. Stubbs lay out boring locations

850 - Zebra crew arrives and unloads equipment

910 - Zebra moves equipment to next location (MHP-38) and sets up equipment and conducts pre-run response tests and advances MiHPT

1000 - hard layer at 2.9ft; Zebra advances dual-tube sampler
- S. Kelly calibrates PID
- fresh air (0.0ppm) reading = 0.0ppm
- isobutylene (100ppm) reading = 100.0ppm
- probe refusal at 23ft, pull dual-tube sampler and advance MiHPT at MHP-38 (push 2)

1120 - MiHPT refusal at 21.2ft; pull MiHPT tooling and conduct post-run response tests

1145-1225 lunch

Location Asheville, NC Date 11/4/13

Project / Client CTS of Asheville, Inc.

625212.0006 S.Kelly/AMEC P. 2/3

1225 - Zebra moves equipment to next boring (MHP-39)
Note: MHP-39 is co-located with CSAP boring CTS-SB-13

1245 - Zebra conducting pre-run response tests

1410 - MiHPT refusal at 24.5ft; Zebra pulls MiHPT tooling and advances dual tube sampler
- probe refusal at 10ft; pull dual-tube tooling and advance MiHPT at MHP-39 (push 2)

1520 - MiHPT refusal at 31.5 ft; pull MiHPT tooling and conduct MiHPT post-run response tests

1550 Zebra moves equipment to next boring location MHP-40 and conducts response tests
Note: MHP-40 is co-located with CSAP boring CTS-SB-01/CSS-203

1615 Advancing MiHPT at MHP-40

1650 - MiHPT refusal at 19.2 ft; pull MiHPT tooling and conduct post-run response tests

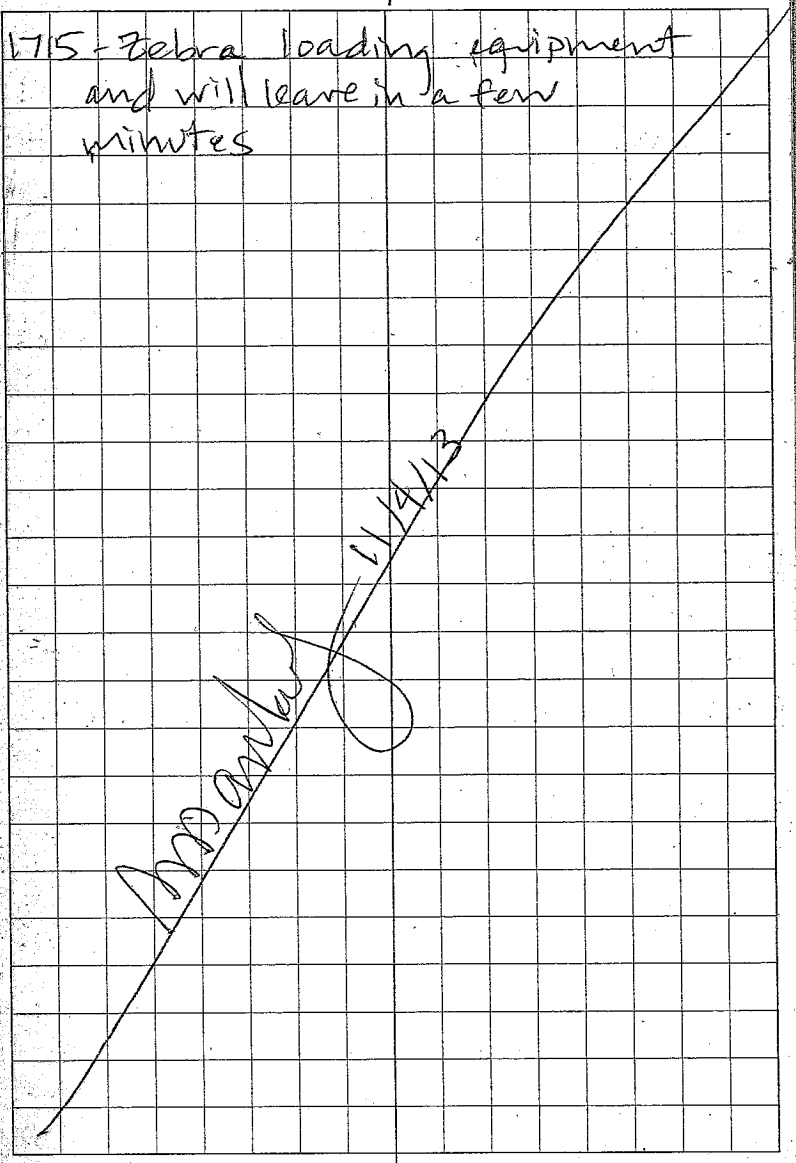
1715 - Skelly & R Stubbs leave site

Location Asheville, NC Date 11/4/13

Project / Client CTS of Asheville, Inc.

625212.0006 S.Kelly/AMEC P. 3/3

1715 - Zebra loading equipment and will leave in a few minutes



Location Asheville, NC Date 11/5/13

Project / Client CTS of Asheville, Inc.

625212.0006 S. Kelly/AMEC P. 1/3

735 - S.Kelly/AMEC arrives at site
- R. Stubbs/OTIE and Zebra are at site
- Zebra is setting up equipment at MHP-40
- S.Kelly calibrates PID
  - fresh air (0.0ppm) reading = 0.0ppm
  - isobutylene (100ppm) reading = 106.6ppm
- Zebra conducts pre-run MiHPT response tests

810 - Zebra advances dual-tube sampler

820 - Geoprobe not running good, needs new fuel filter; Zebra leaves to go purchase fuel filter

835 - Nile Testerman (NCDENR) arrives

930 - fuel filter has been replaced and Zebra advancing dual-tube sampler

955 - probe refusal at 31.5 ft; pull dual tube sampler and advance MiHPT at MHP-40 (push 2)

1045 - MiHPT refusal at 30.0 ft; pull MiHPT tooling and conduct post-run response tests

Location Asheville, NC Date 11/5/13

Project / Client CTS of Asheville, Inc.

625212.0006 S. Kelly/AMEC P. 2/3

1105 - Zebra moves to next location, MHP-41 which is colocated with CSAP boring CSS-205

1135 - 1215 lunch

1135 - Nile Testerman leaves site

1215 - Zebra conducts pre-run response tests

1230 - advancing MiHPT at MHP-41

1330 - MiHPT refusal at 21.4 ft; pull MiHPT tooling
- S.Kelly re-calibrates PID
  - fresh air (0.0ppm) reading = 0.0ppm
  - isobutylene (100ppm) reading = 100.1ppm

1340 - Zebra advancing dual-tube sampler

1425 - probe refusal at 48 ft; pull dual-tube sampler and advance MiHPT at MHP-41 (push 2)

1525 - MiHPT refusal at 41.4 ft, pull MiHPT tooling and conduct post-run response tests

1600 - Zebra moves to next location MHP-42, which is co-located with CSAP boring CTS-SB-04, and drills through concrete slab

1615 - R. Stubbs leaves site

Location Asheville, NC Date 11/5/13

Project / Client GTS of Asheville, Inc.

625212.0006 S.Kelly / AMEC P. 3/3

1020-S.Kelly leaves site; Zebra is loading equipment and will leave in a few minutes

Amended - 11/5/13

Location Asheville, NC Date 11/6/13

Project / Client GTS of Asheville, Inc.

625212.0006 S.Kelly / AMEC P. 1/2

720-S.Kelly/AMEC arrives at site

725-R.Stubbs arrives at site

730-Zebra arrives at site, unloads equipment and sets up at MHP-42 and conducts pre-run response tests

805-advancing MiHPT at MHP-42

945-MiHPT refusal at ~~11/6/13~~ 36.5ft; Zebra pulls MiHPT tooling

- S.Kelly calibrates PID
  - fresh air (0.0ppm) reading = 0.0ppm
  - isobutylene (100ppm) reading = 100.0ppm

1000-Zebra advances dual-tube sampler

1130-probe refusal at 40.5ft; will not advance MiHPT deeper than 36.5ft as soft zone above ~36ft keeps collapsing into borehole and will likely prevent advancement of probe much beyond that depth

- Zebra conducts post-run response tests

1150-1230 lunch

1230-Zebra charges probe hammer with nitrogen

Location Asheville, NC Date 11/6/13

Project / Client CTS of Asheville, Inc.

625212.0006 S. Kelly/AMEC P. 2/2

1245 - Zebra moves equipment to next location, MHP-43, which is co-located with CSAT boring CTS-SB-12, and conducts pre-run response tests

1310 - advancing ~~MiHPT~~ MiHPT SD 11/4/13 -43 at MHP-43

1430 - MiHPT refusal at 35.5 ft; pull MiHPT tooling

1440 - when pulling tooling, one of the drill rods shears off at the threads

1445 - Zebra to rental store and rent concrete saw to cut concrete slab and attempt to dig down to threads of next rod which is 2 or 3 feet below the slab

1545 - Zebra returns
- Zebra digs out soil around drill rod and is able to reattach to drill rod, but when pulling drill string, another rod breaks; too dark to do any more work

1800 - S. Kelly, R. Stubbs and Zebra leave site

S. Kelly 11/6/13

Location Asheville, NC Date 11/7/13

Project / Client CTS of Asheville, Inc.

625212.0006 S. Kelly/AMEC P. 1/2

730 - S. Kelly/AMEC and R. Stubbs/CTI E arrive at site; Zebra is at site
- Zebra pulls 2 drill rods from boring as well as trunkline

805 - Zebra gathers borehole abandonment supplies

815 - Zebra abandons MHP-43; pours grout/bentonite mixture into ~~P~~ SD 11/4/13 borehole and then backfills hole dug on 11/6/13 to access drill rod threads with soil from hole; will replace ~~Cement~~ SD 11/5/13 concrete at base to top of existing concrete pad

830 - Zebra abandons MHP-42

850 - Zebra moves to MHP-41 and abandons boring

915 - Zebra abandons MHP-40

940 - Zebra abandons MHP-39

1005 - Zebra abandons MHP-38 and then cleans drill rods, etc. used to grout borings

1100 - Zebra begins hooking up new MiHPT probe and trunkline

1130-1230 lunch

Location Asheville, NC Date 11/7/13

Project / Client CTS of Asheville, Inc.

625212000.06 S. Kelly/AMEC P. 2/2

1230 - Zebra resumes connecting new probe and trunkline

1500 - Zebra moves to next location, MHP-44, which is co-located with CSAP boring CSS-204, and conducts pre-run response tests

1610 - MiHPT refusal at 21.1 ft; Zebra pulls MiHPT tooling and advances dual tube sampler

- S. Kelly calibrates PID
  - fresh air (0.0ppm) reading = 0.0ppm
  - isobutylene (100ppm reading = 99.9ppm

1725 - probe refusal at 55ft; leave drill rods in ground overnight to case off boring

1750 - S. Kelly & R. Stubbs leave site; Zebra loading equipment and will leave in a few minutes

11/7/13

Location Asheville, NC Date 11/8/13

Project / Client CTS of Asheville, Inc.

625212000.06 S. Kelly/AMEC P. 1/2

730 - S. Kelly/AMEC and R. Stubbs/OTIE arrive at site; Zebra is at site unloading equipment
- Zebra moves equipment to MHP-44 and conducts MiHPT response tests

815 - Zebra pulling dual tube drill rods from boring

830 - advancing MiHPT at MHP-44 (push 2)

925 - MiHPT refusal at 51.0ft

935 - Zebra off-site to return concrete saw

1015 - Zebra returns and pulls MiHPT tooling and conducts post-run response tests

1100 - Zebra moves to next location, MHP-45 which is co-located with CSAP boring CTS-SB-11, and conducts pre-run response tests, and advances MiHPT

1210 - MiHPT refusal at 20.8ft

1220 - 1305 lunch

1305 - Zebra pulls MiHPT tooling
- S. Kelly calibrates PID
  - fresh air (0.0ppm) reading = 0.0ppm

Location Asheville, NC Date 11/8/13

Project / Client CTS of Asheville, Inc.

625212000b S.Kelly/AMEC P. 2/2

- isobutylene (100ppm) reading = 99.9 ppm

1320 - Zebra advancing dual-tube sampler - probe refusal at 35.0 ft; pull dual-tube sampler and advance MiHPT at MHP-45 (push 2).

1500 - MiHPT refusal at 36.8 ft; Zebra pulls MiHPT tooling and conducts post-run MiHPT response tests

1530 - Zebra moves equipment to next location, MHP-46, which is co-located with CSAP boring CTS-SB-17, and conducts MiHPT response tests and advances MiHPT

1620 - MIP pressure and flow are low indicating a leak; Zebra pulls MiHPT and disassembles probe to identify and repair leak

1700 - S.Kelly leaves site; Zebra finishing repair and will load equipment and leave in a few minutes

11/8/13

Location Asheville, NC Date 11/9/13

Project / Client CTS of Asheville, Inc.

625212000b S.Kelly/AMEC P. 1/3

730 - S.Kelly/AMEC arrives at site; R.Stubbs/OTIE and Zebra are at site

- Zebra is unloading equipment and sets up at MHP-46

- MiHPT water line is frozen, wait for it to thaw

920 - Zebra conducts MiHPT pre-run response tests and advances MiHPT

1000 - MiHPT refusal at 22.8 ft; Zebra pulls MiHPT tooling

- S.Kelly calibrates PID

- fresh air (0.0ppm) reading = 0.0ppm

- isobutylene (100ppm) reading = 99.9ppm

1015 - Zebra advances dual-tube sampler

1025 - probe refusal at 25.0 ft; Zebra pulls dual tube sampler and conducts post-run MiHPT response tests

1045 - Zebra conducts pre-run response tests for MHP-46 dup (duplicate of MHP-46) and moves rig approximately 2 feet east for boring

Location Asheville, NC Date 11/9/13

Project / Client CTS of Asheville, Inc.

625212 0006 S.Kelly/ANNEC P. 2/3

1050 - advancing MiHPT at MHP-46DUP

1130 - MiHPT refusal at 22.9ft; Zebra pulls MiHPT tooling and advances dual tube sampler

1150 probe refusal at 25ft; Zebra pulls dual tube sampler and conducts MiHPT post-run response tests

1215-1315 lunch

1315 - Zebra moves to next location MHP-47, which is co-located with CSAP boring CSS-207, and conducts pre-run response tests

1400 - advancing MiHPT at MHP-47

1430 - MiHPT refusal at 21.5ft). Zebra pulls MiHPT tooling and advances dual-tube sampler

1500 - probe refusal at 25.0ft; Zebra pulls dual-tube sampler and conducts post-run MiHPT response tests

1540 - Zebra moves to next location, MHP-48, which is co-located with CSAP boring CTS-SB-07, and conducts

Location Asheville, NC Date 11/9/13

Project / Client CTS of Asheville, Inc.

625212 0006 S.Kelly/ANNEC P. 3/3

pre-run response tests

1600 - advancing MiHPT at MHP-48

1700 - MiHPT refusal at 32.9ft; Zebra pulls MiHPT tooling and conducts post-run response tests

1725: S.Kelly & R.Stubbs leave site; Zebra loading equipment and will leave in a few minutes

Amended by SK 11/13

Location Asheville, NC Date 11/10/13

Project / Client CTS of Asheville, Inc

625212.0006 Skelly/AMEC P. 1/2

730- S.Kelly/AMEC arrives at site
-Zebra is at site unloading equipment and sets up at MHP-48 and conducts MiHPT response tests
-S.Kelly calibrates PID
-fresh air (0.0ppm) reading = 0.0ppm
-isobutylene (100ppm) reading = 100.0ppm
4745- R.Stubbs/OTIE arrives at site
900- MiHPT nitrogen flow is low so driller disassembles probe to identify and repair leak
830- Zebra advancing dual-tube sampler
900- probe refusal at 42.5ft; Zebra pulls dual-tube sampler and advances MiHPT at MHP-48 (push 2)
940- MiHPT refusal at 37.7ft; Zebra pulls MiHPT tooling and conducts post-run response tests
1010- Zebra moves to next boring, MHP-49 which is co-located with CSAP boring CSS-208, and conducts pre-run response tests
1035- Zebra advancing MiHPT
1120- MiHPT refusal at 23.2ft; Zebra

Location Asheville, NC Date 11/10/13

Project / Client CTS of Asheville, Inc

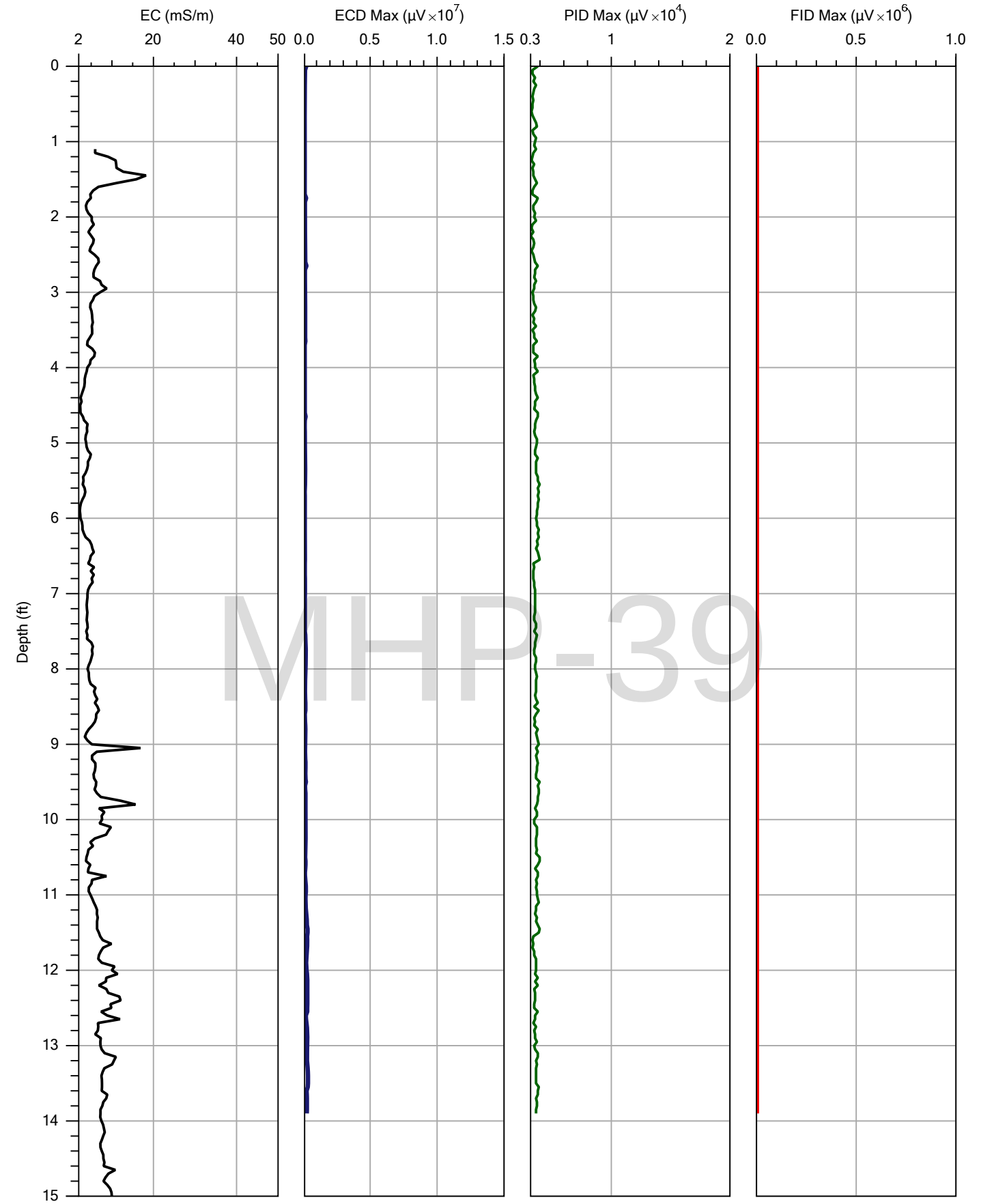
625212.0006 Skelly/AMEC P. 2/2

pulls MiHPT tooling
1140-1240 lunch
1240- Zebra advances dual-tube sampler at MHP-49
-probe refusal at 38.5ft; Zebra pulls dual-tube and advances MiHPT (push 2)
1345- MiHPT refusal at 36.3ft; Zebra pulls MiHPT tooling and conducts post-run MiHPT response tests and abandons MHP-49 boring
1445- Zebra moves to MHP-48 and abandons boring
1520- Zebra abandons MHP-47
1540- Zebra abandons MHP-46 and MHP-46 dup
1640- Zebra abandons MHP-45
1700- Zebra abandons MHP-44
1720- R.Stubbs leaves site
1730- S.Kelly leaves site; Zebra is cleaning drill rods used for grouting boreholes and will leave shortly

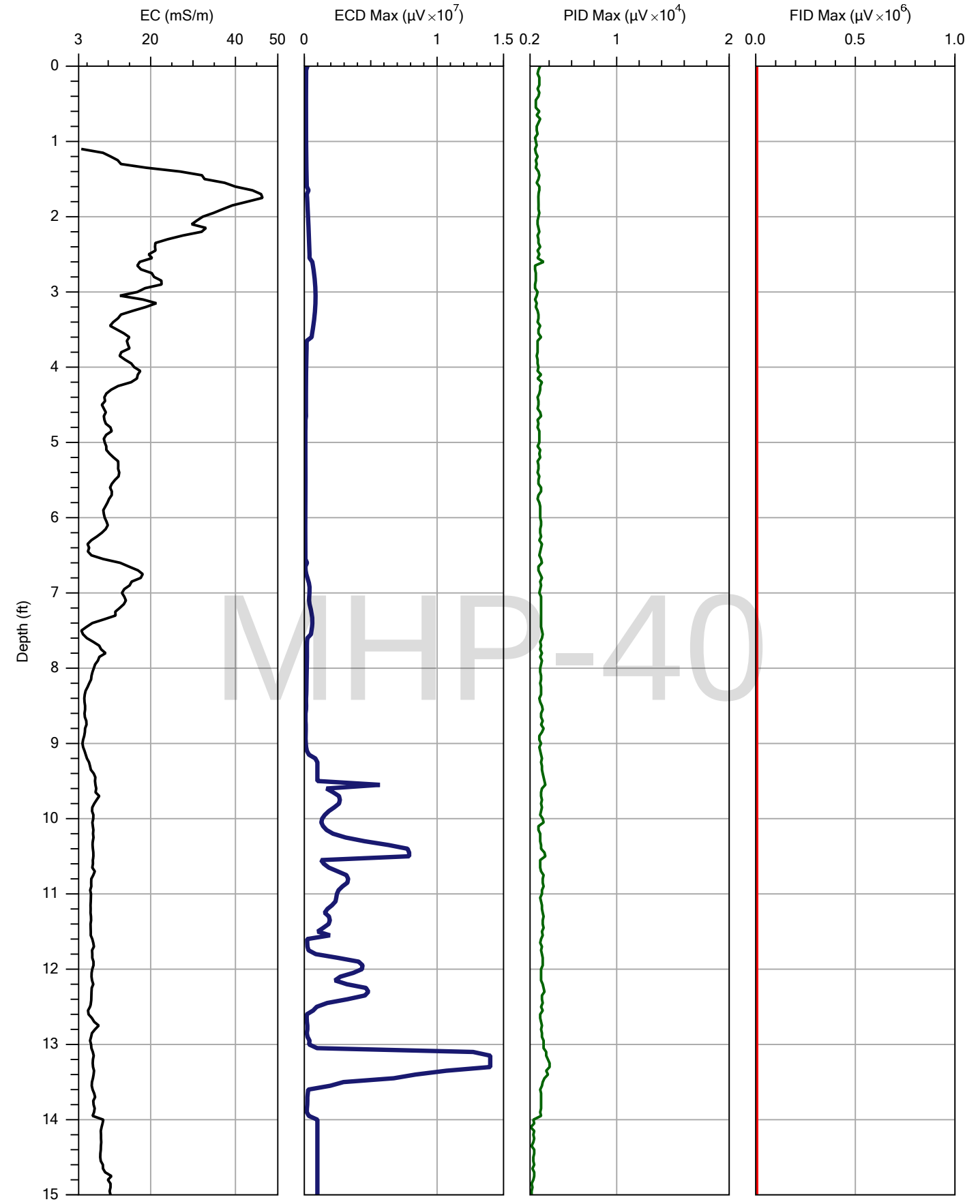
11/10/13

APPENDIX B

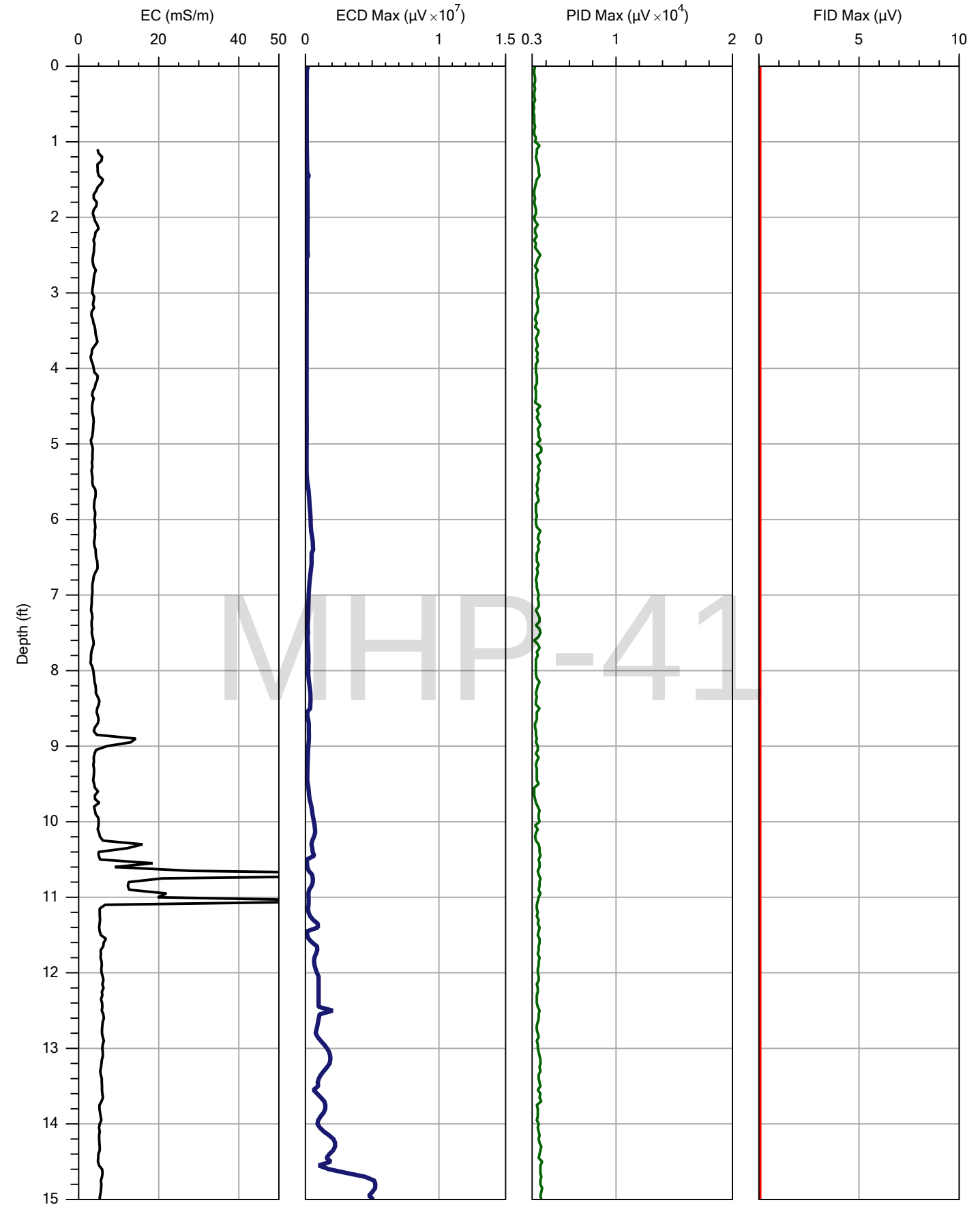
MIP/MiHPT LOGS



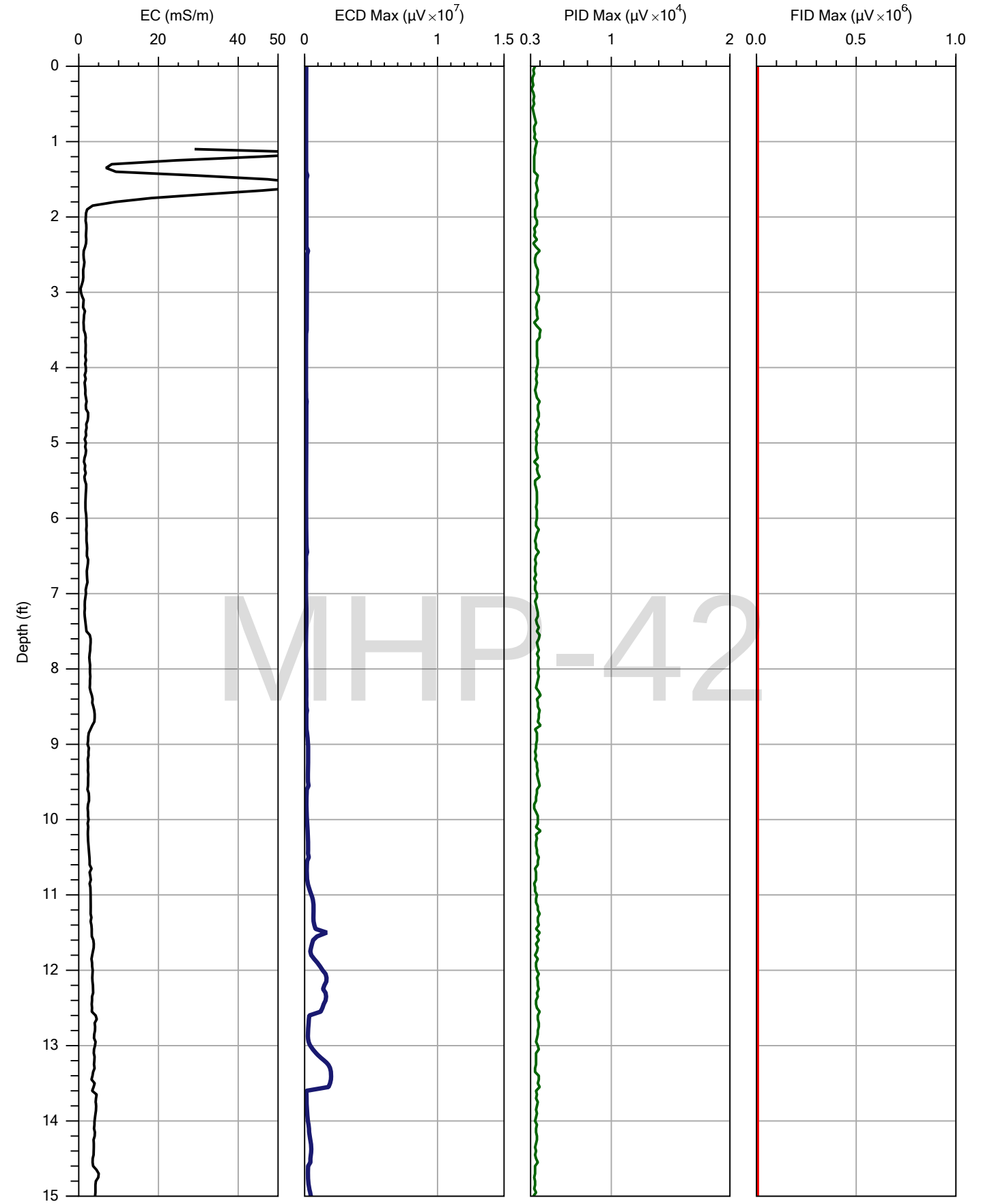
			File: MHP-39.MHP
Company: Zebra	Operator: Dan F		Date: 11/4/2013
Project ID: CTS	Client: AMEC		Location:



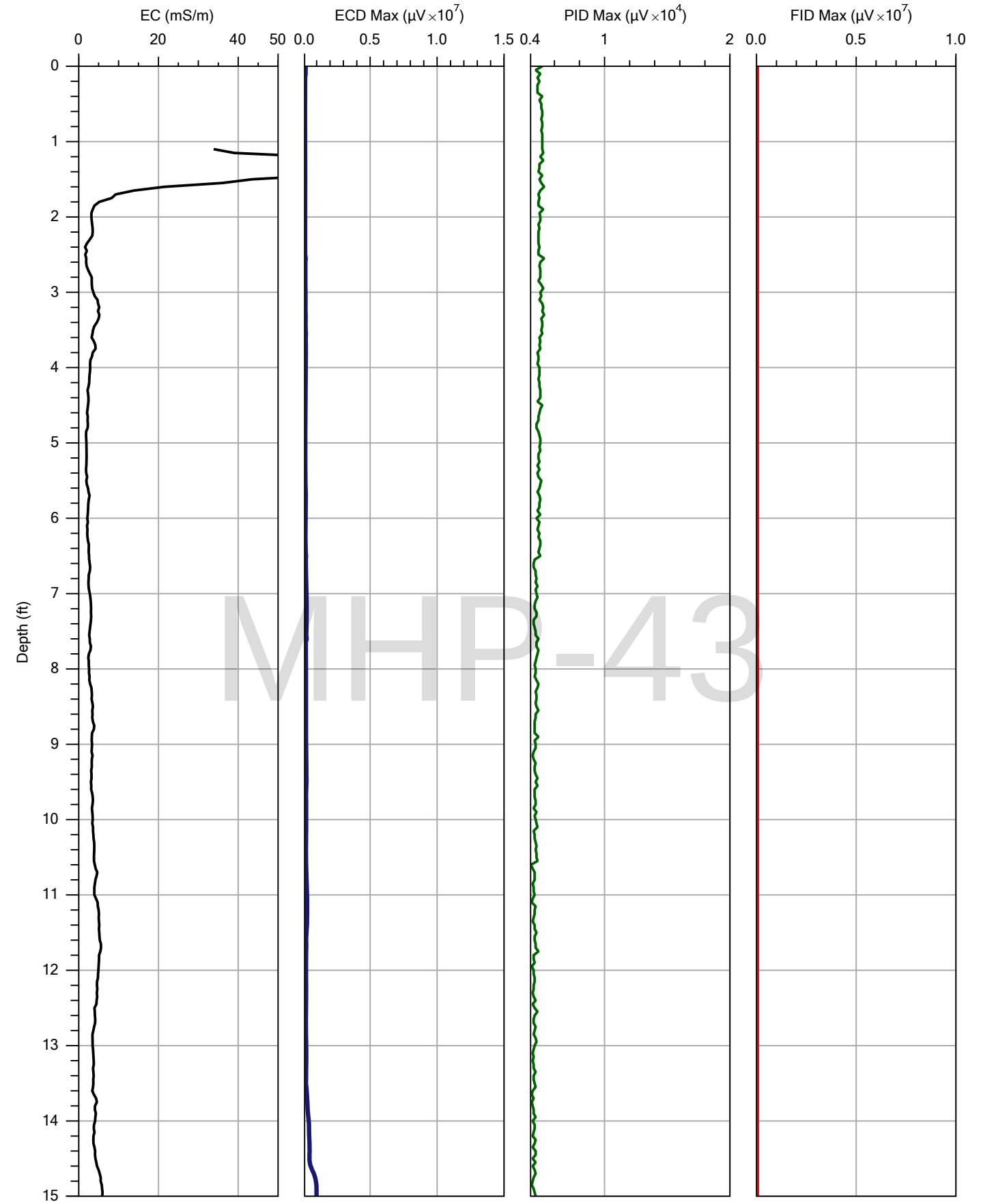
			File: MHP-40.MHP
Company: Zebra	Operator: Dan F		Date: 11/5/2013
Project ID: CTS	Client: AMEC		Location:



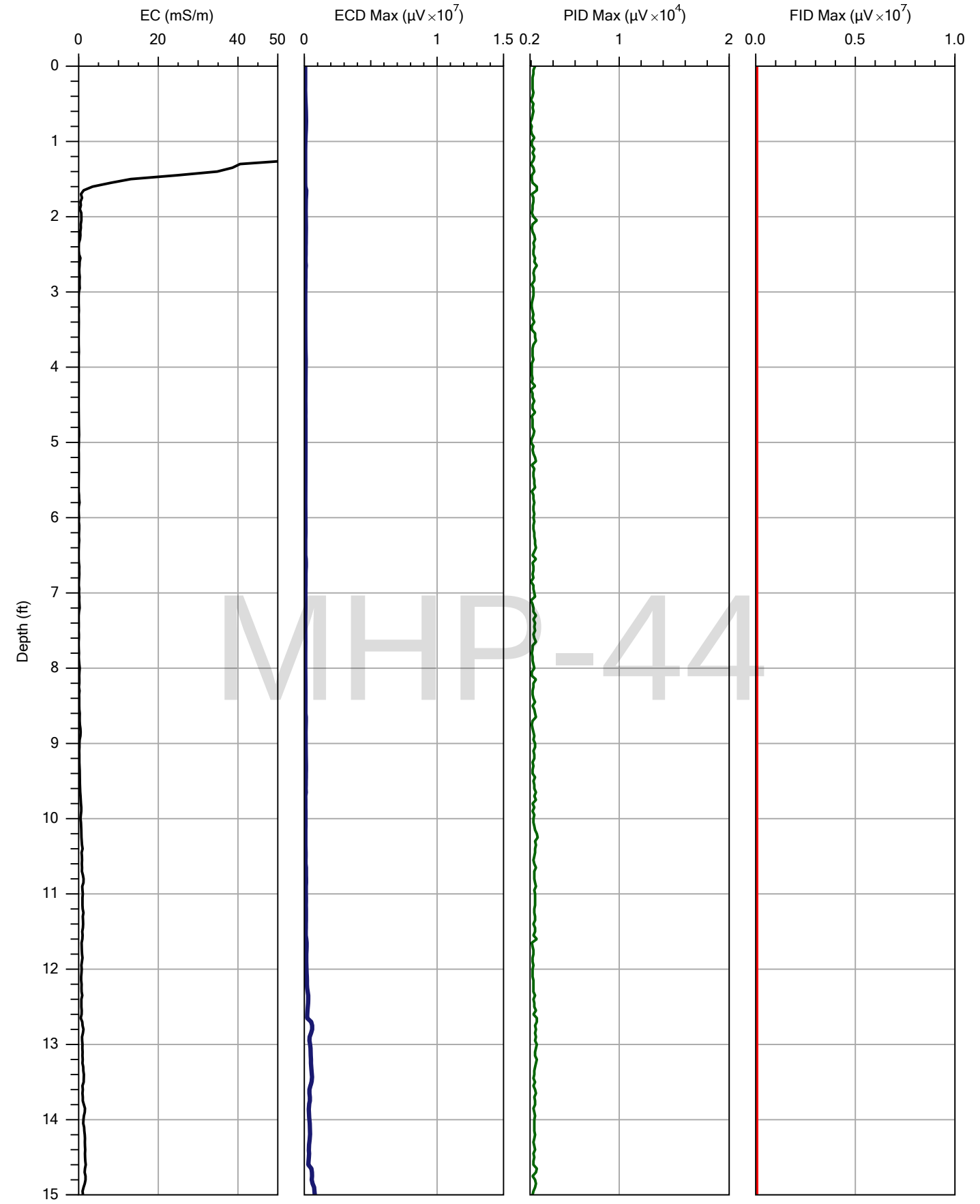
			File: MHP-41.MHP
Company: Zebra	Operator: Dan F		Date: 11/5/2013
Project ID: CTS	Client: AMEC		Location:



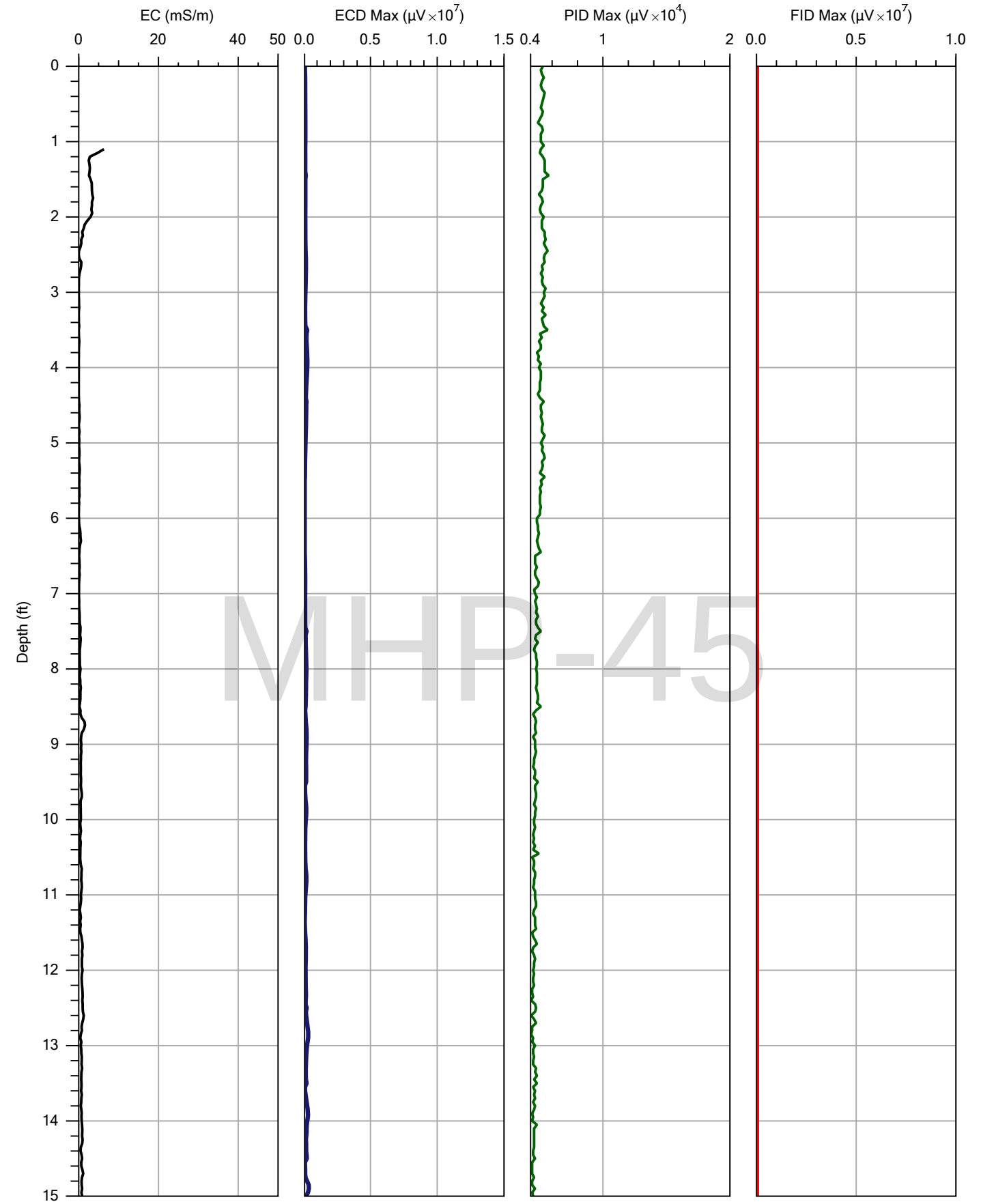
			File: MHP-42.MHP
Company: Zebra	Operator: Dan F		Date: 11/6/2013
Project ID: CTS	Client: AMEC		Location:



			File: MHP-43.MHP
Company: Zebra	Operator: Dan F		Date: 11/6/2013
Project ID: CTS	Client: AMEC		Location:



			File: MHP-44.MHP
Company: Zebra	Operator: DanF		Date: 11/8/2013
Project ID: CTS	Client: AMEC		Location:



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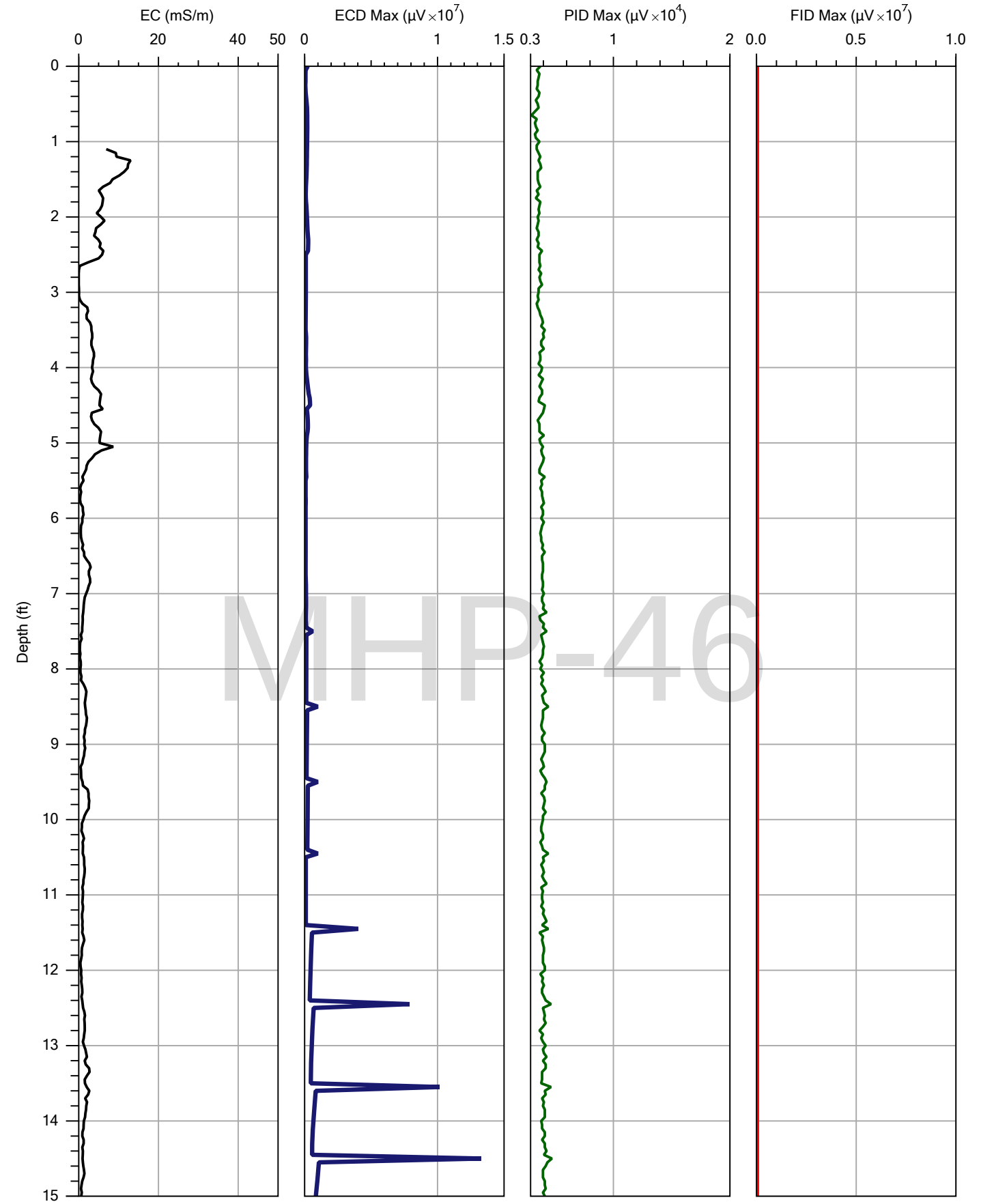
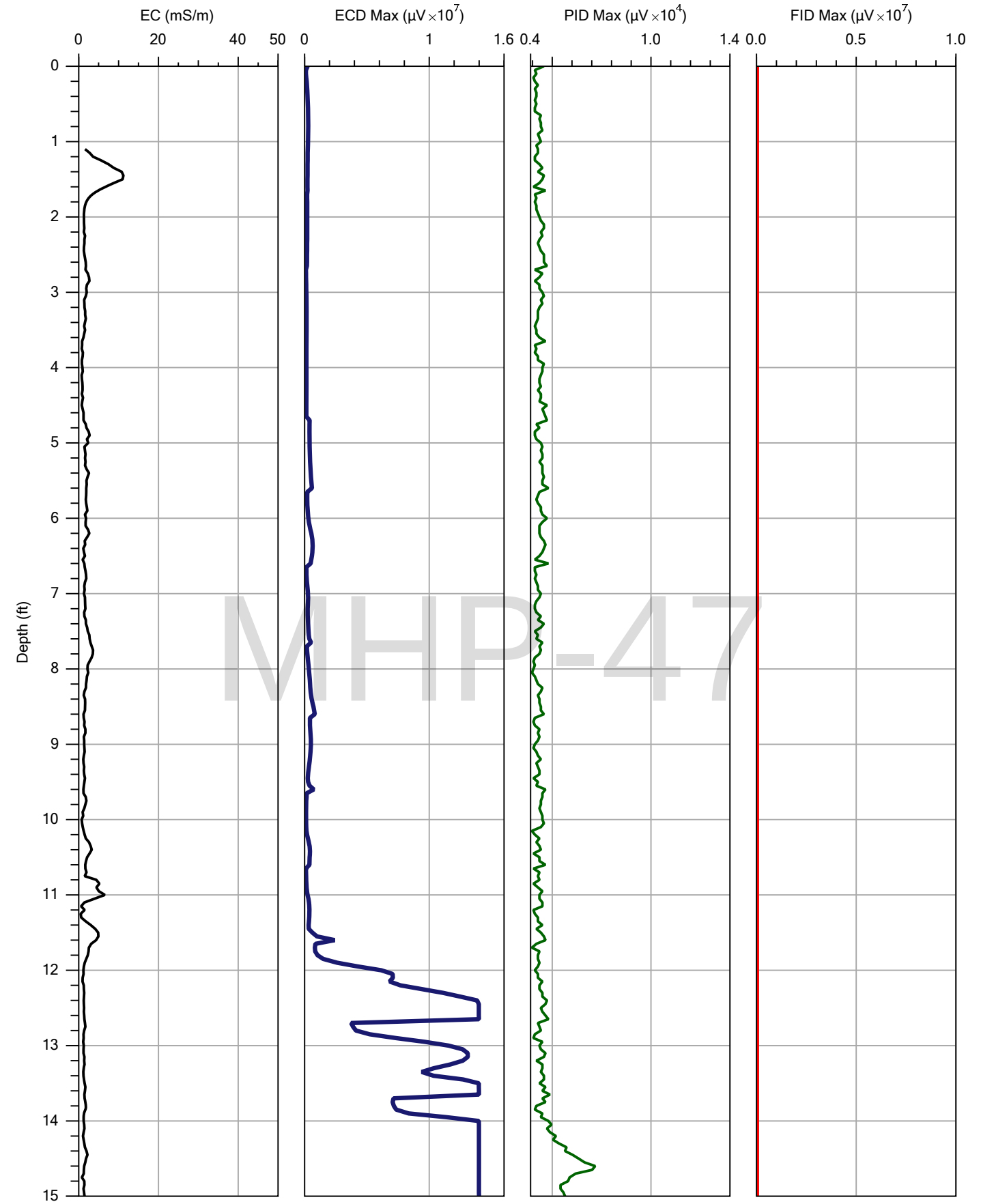
Company: Zebra	Operator: Dan F		Date: 11/8/2013
Project ID: CTS	Client: AMEC		Location:



			File: MHP-46.MHP
Company: Zebra	Operator: Dan F		Date: 11/9/2013
Project ID: CTS	Client: AMEC		Location:



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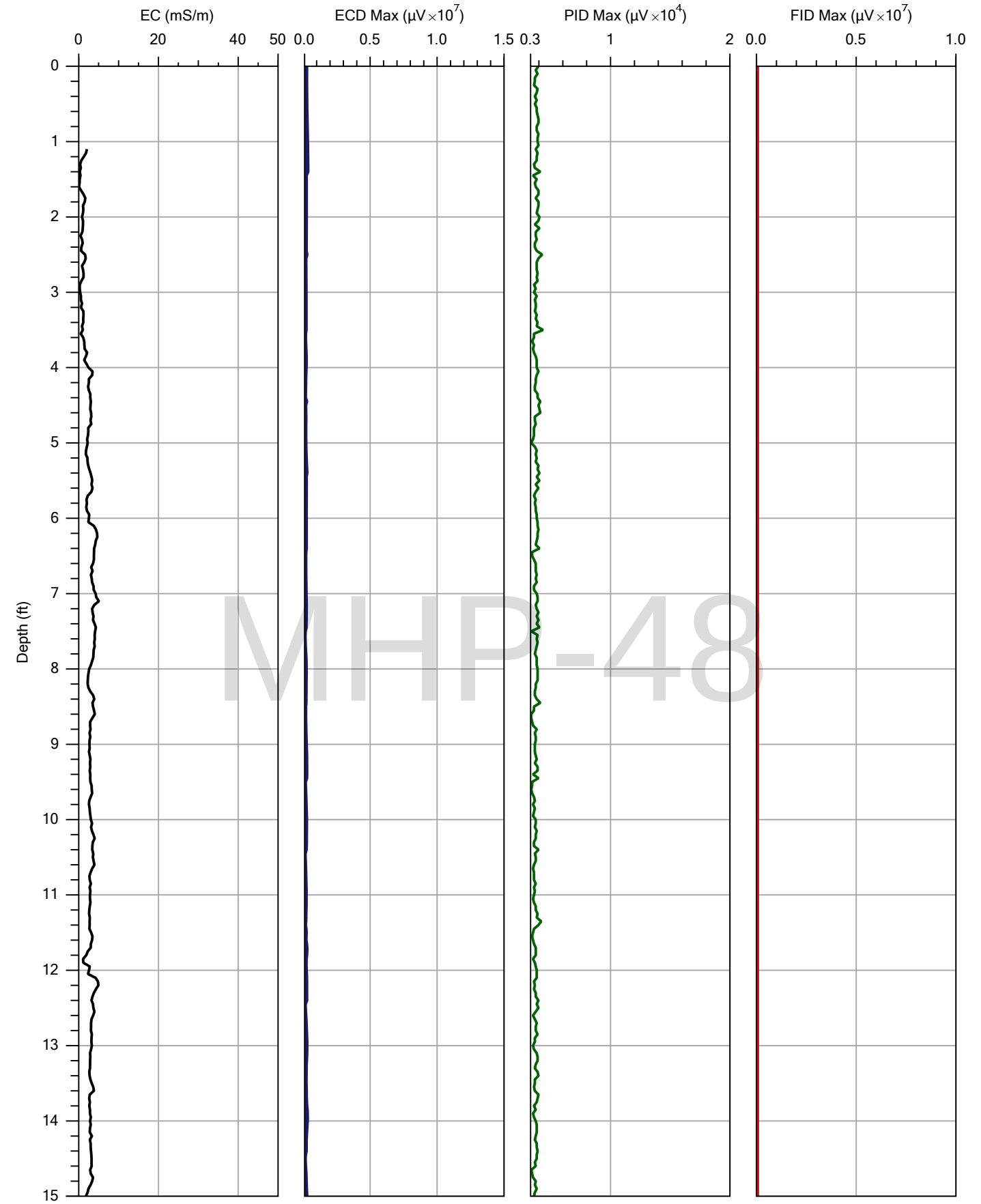
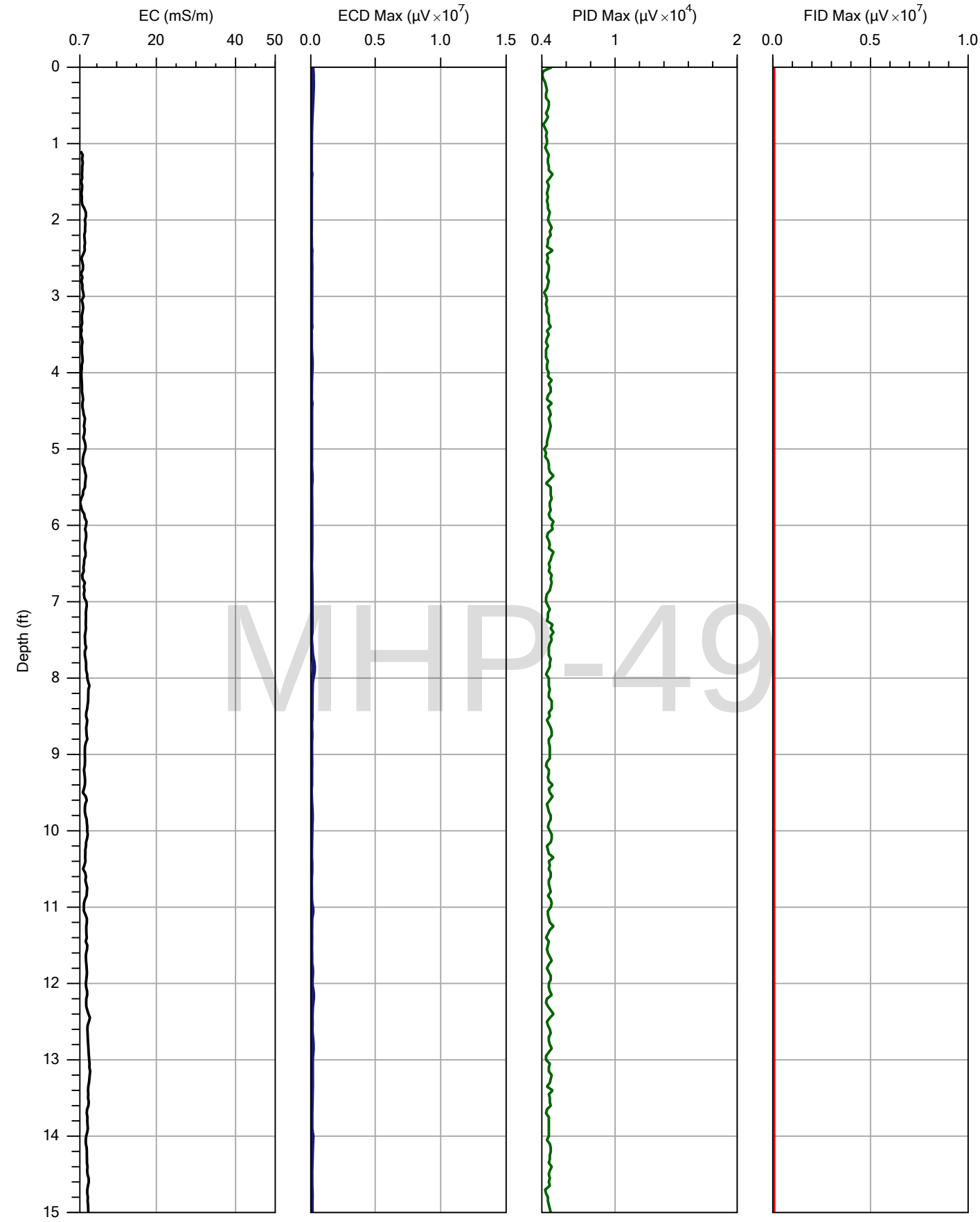
Company: Zebra	Operator: Dan F		Date: 11/9/2013
Project ID: CTS	Client: AMEC		Location:



			File: MHP-48.MHP
Company: Zebra	Operator: Dan F		Date: 11/10/2013
Project ID: CTS	Client: AMEC		Location:



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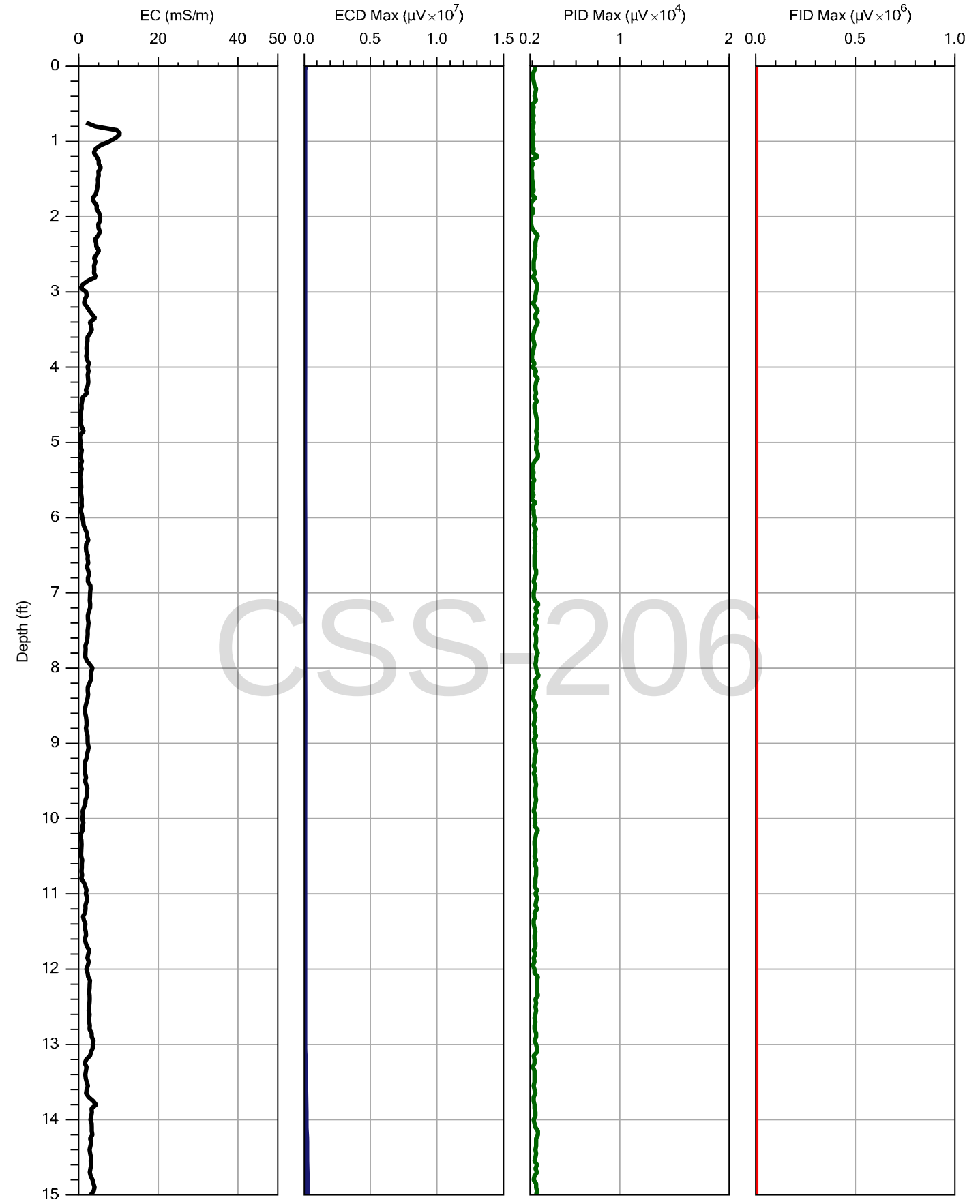
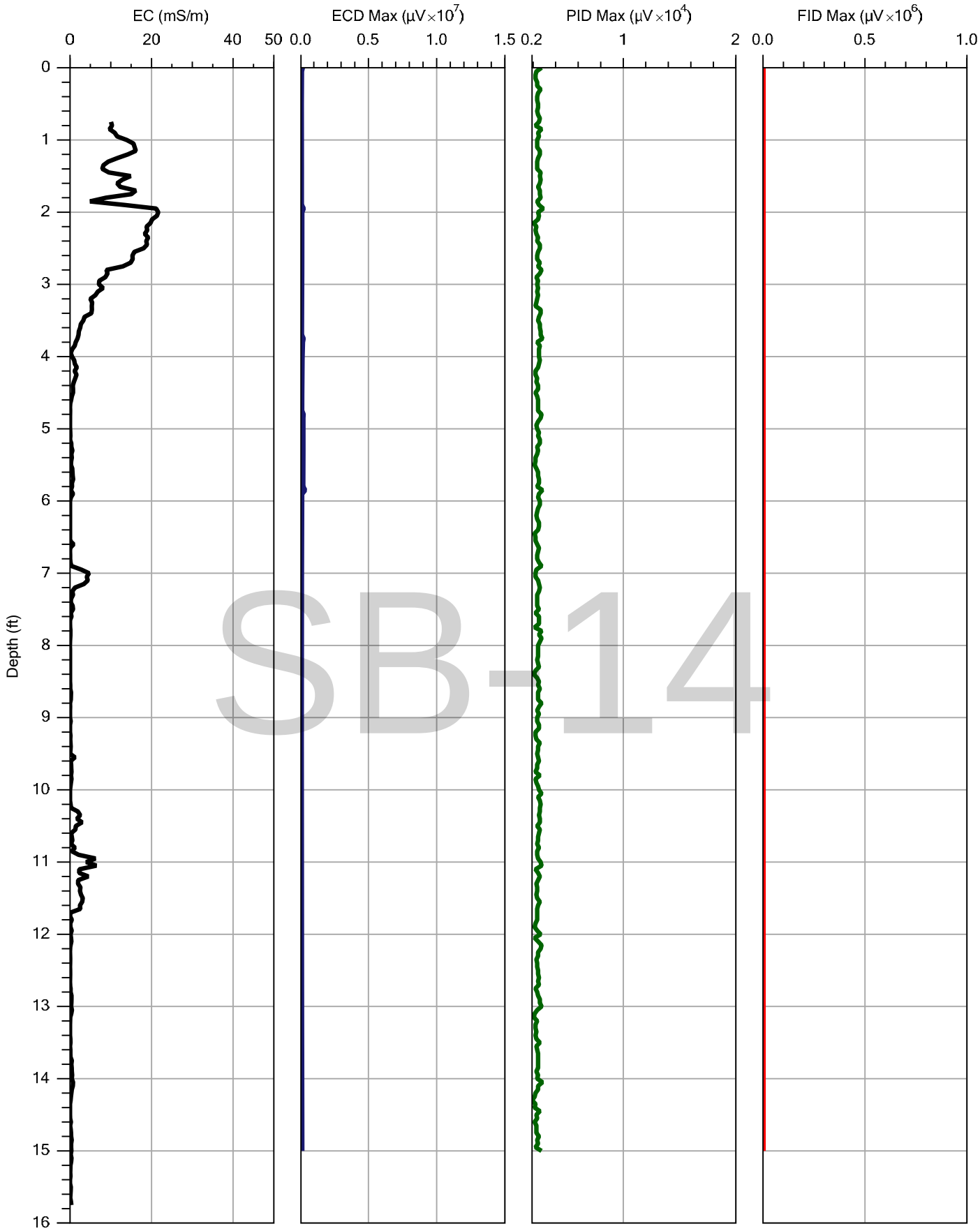
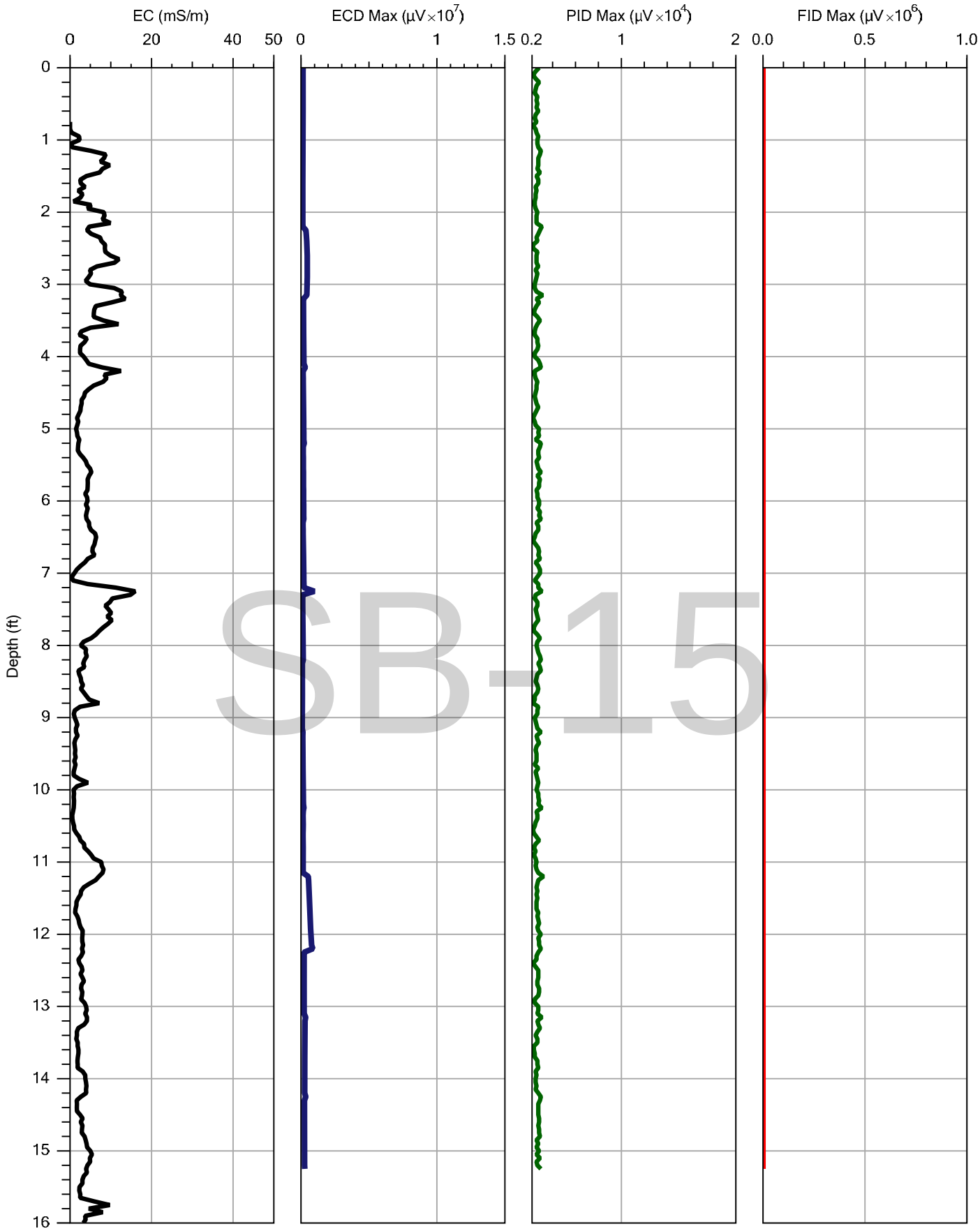
Company: Zebra	Operator: Dan F		Date: 11/10/2013
Project ID: CTS	Client: AMEC		Location:



			File: CSS-206.MIP
Company: Zebra	Operator: Dan F		Date: 11/12/2013
Project ID: CTS	Client: AMEC		Location:



			File: SB-14.MIP
Company: Zebra	Operator: Dan F		Date: 11/11/2013
Project ID: CTS	Client: AMEC		Location:



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Company: Zebra		Operator: Dan F	Date: 11/11/2013
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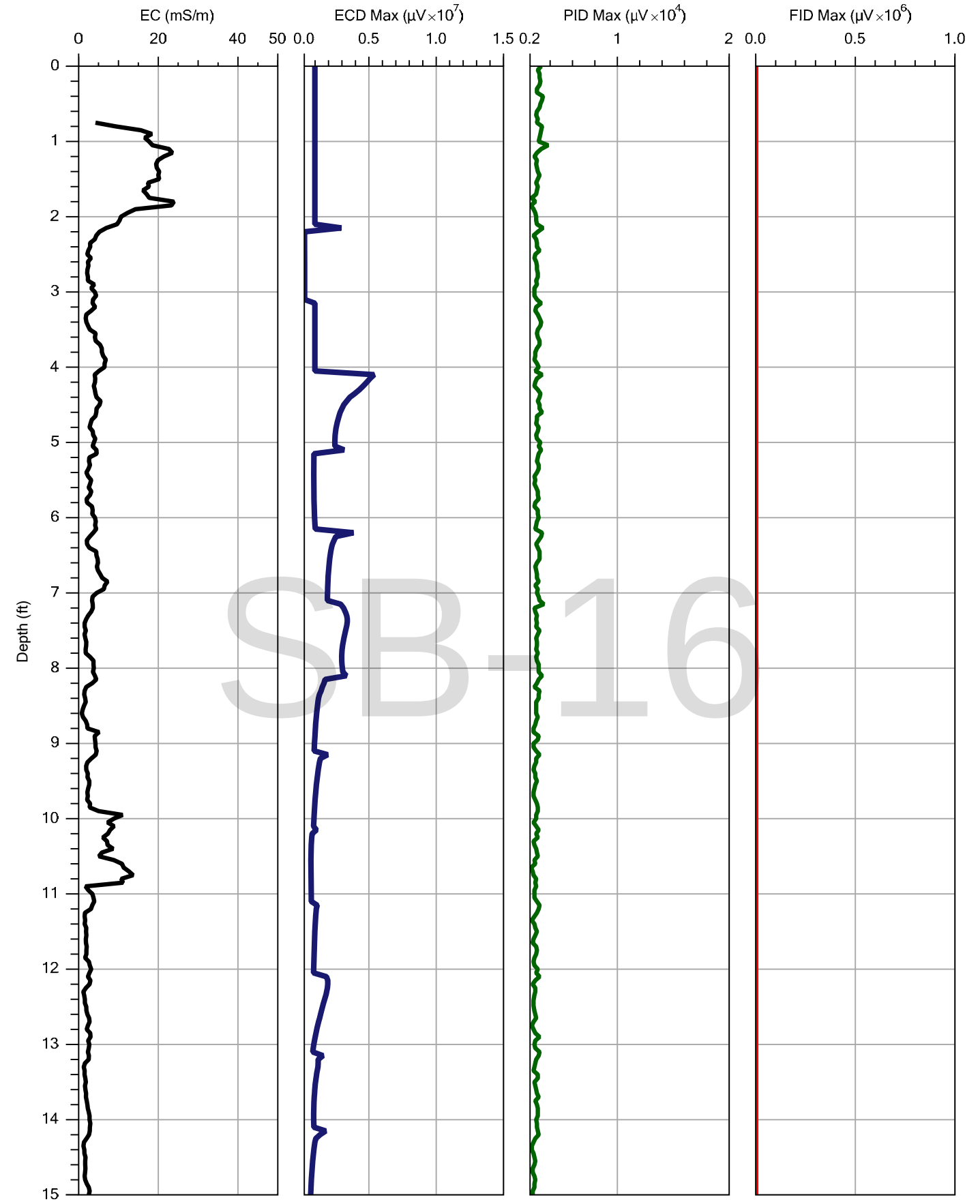
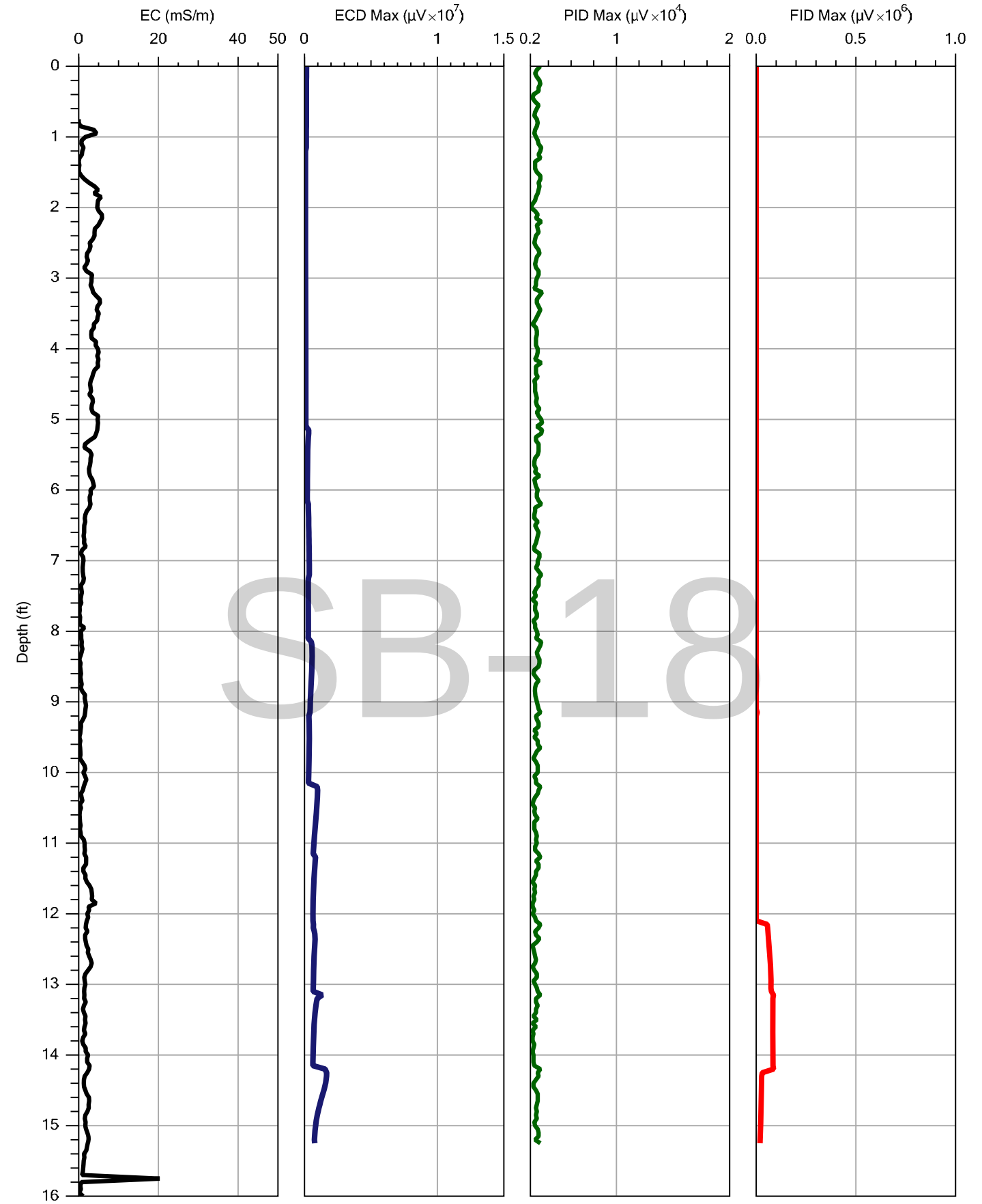


			File: SB-16.MIP
Company: Zebra	Operator: Dan F		Date: 11/11/2013
Project ID: CTS	Client: AMEC		Location:



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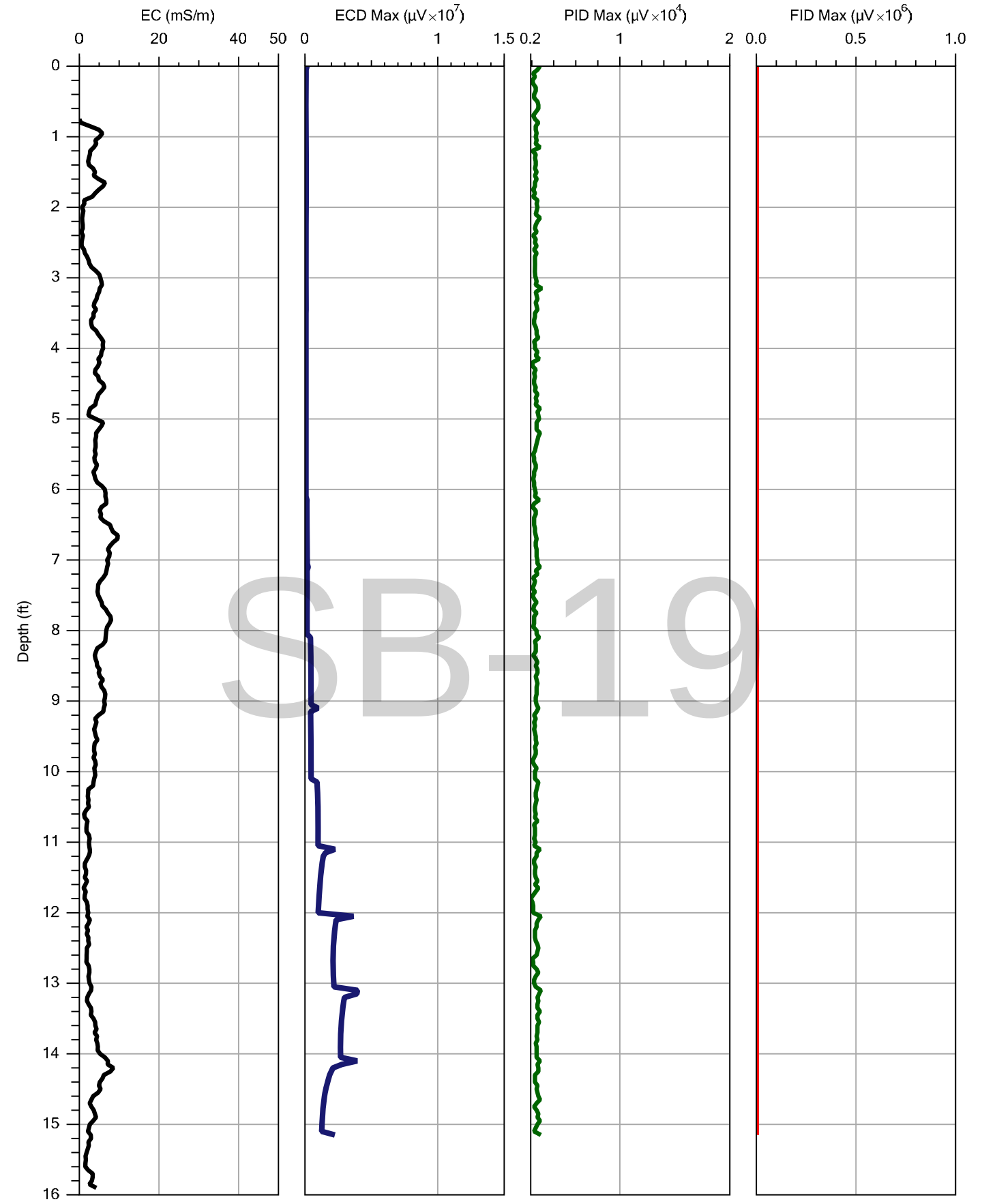
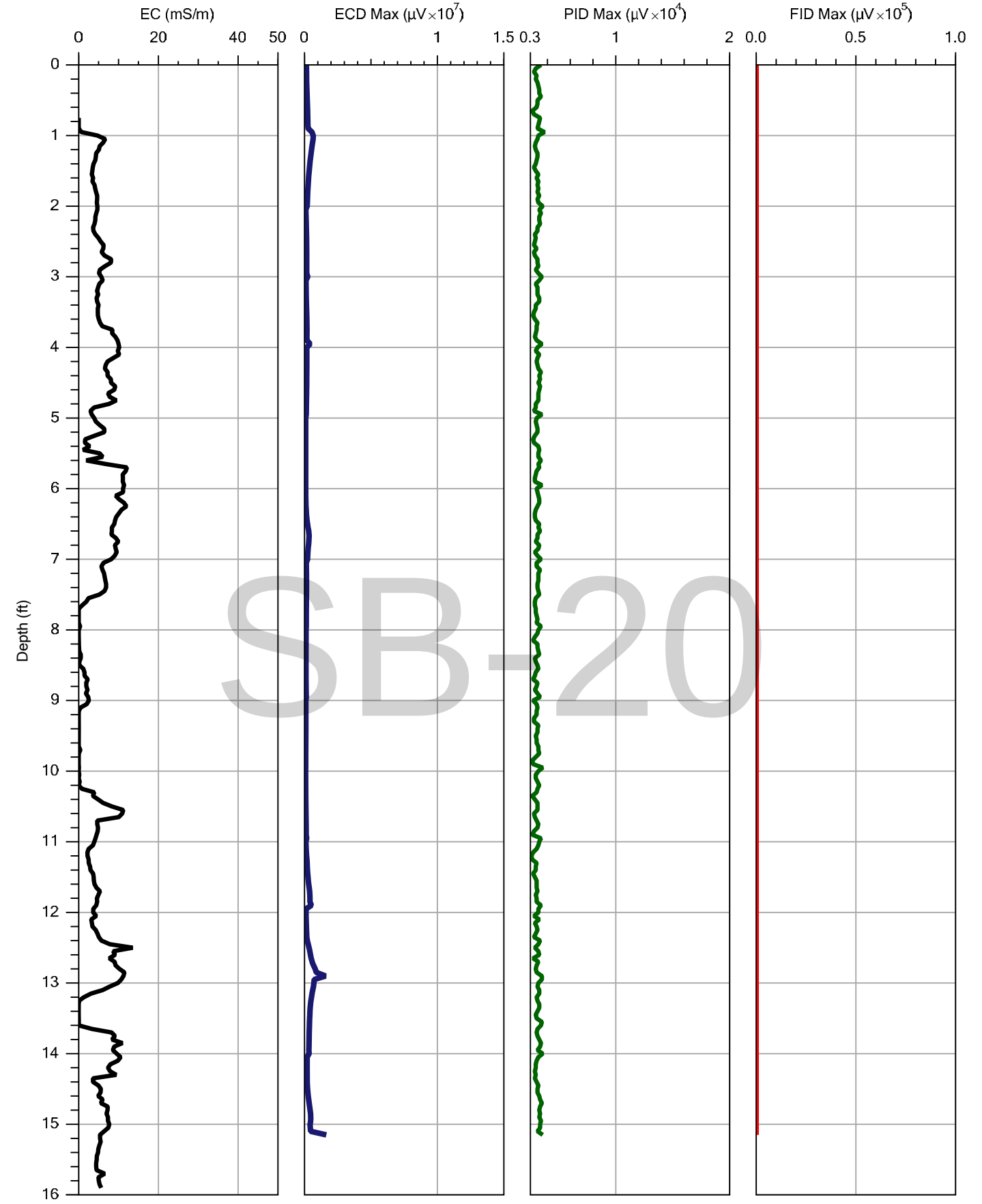
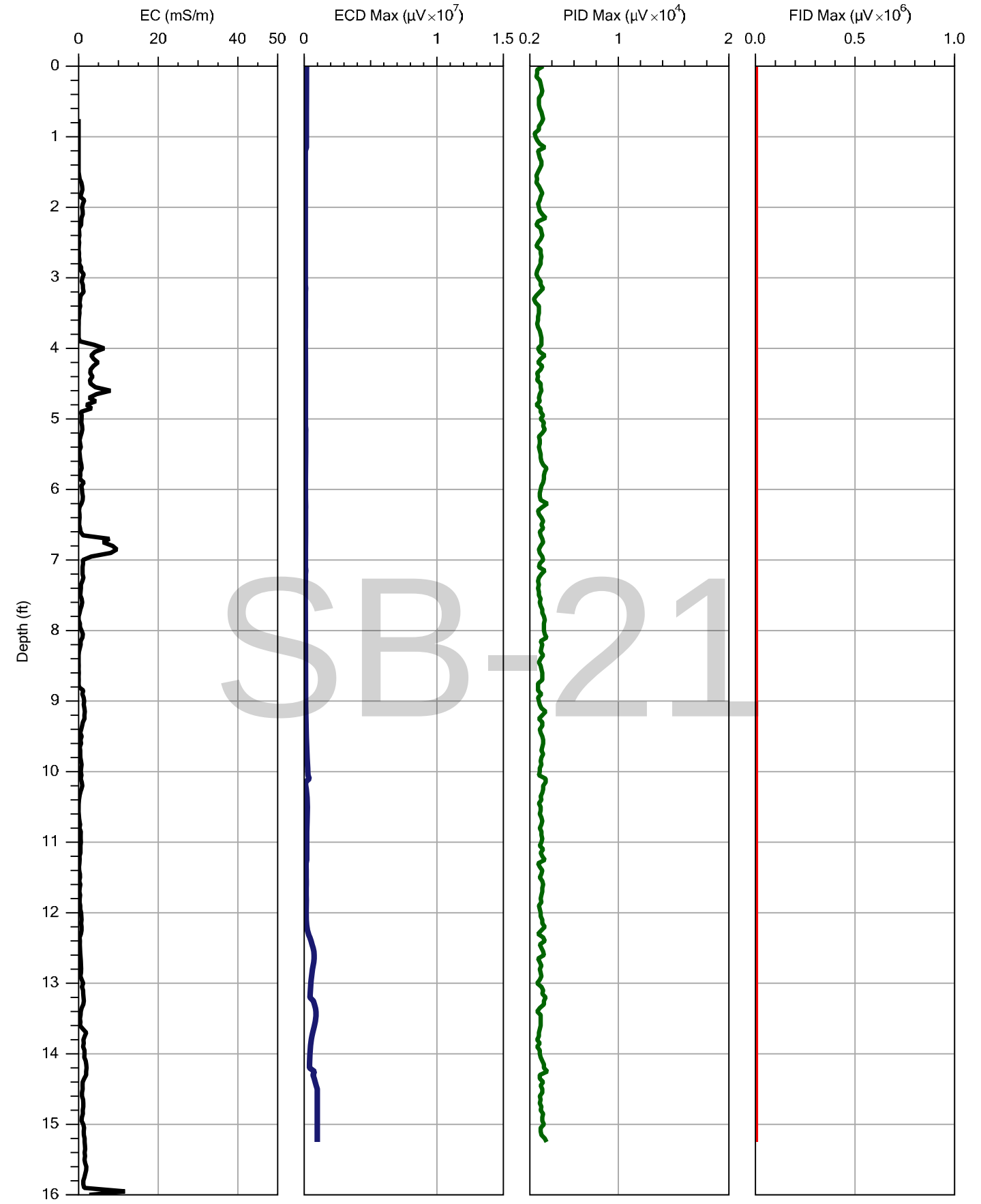
Company: Zebra	Operator: Dan F		Date: 11/11/2013
Project ID: CTS	Client: AMEC		Location:



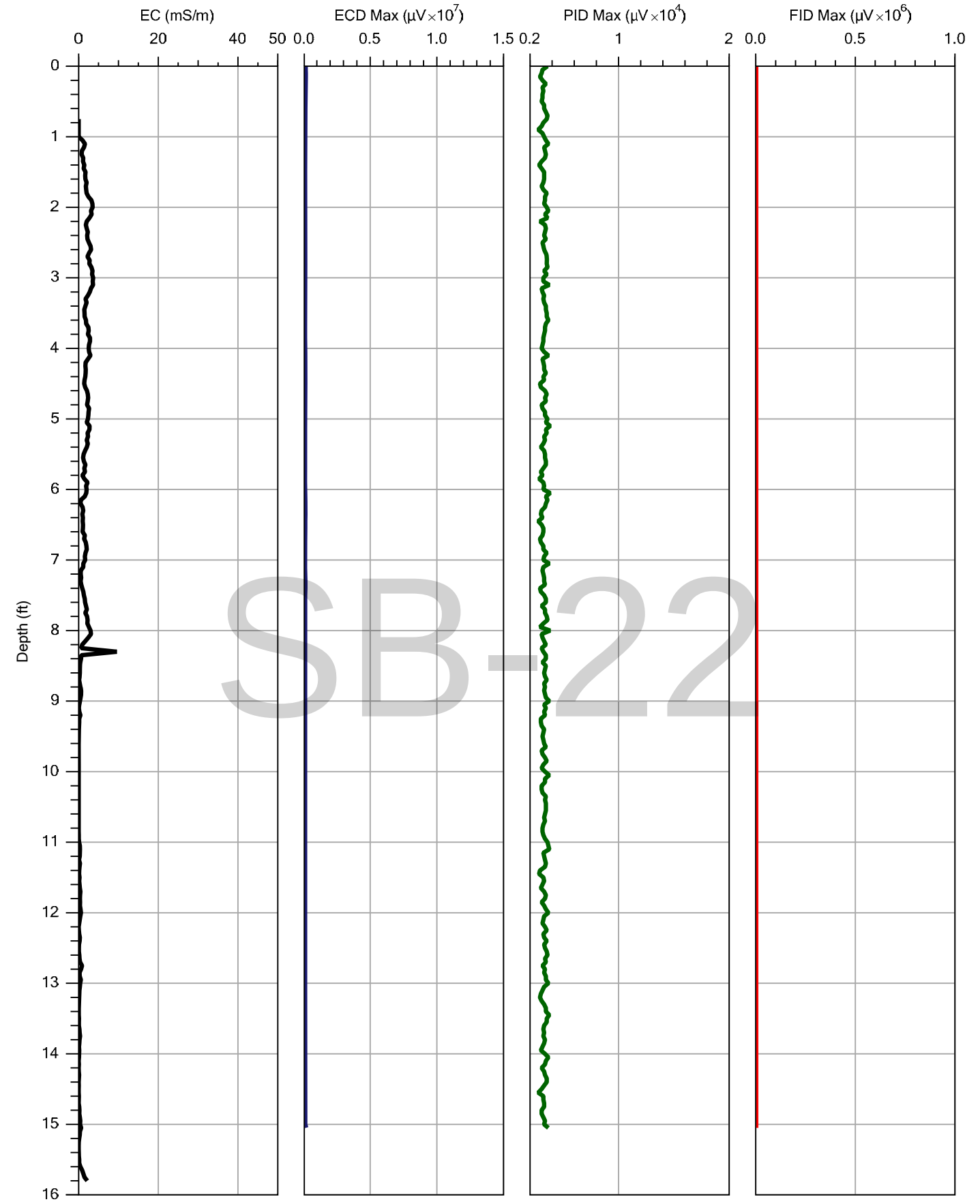
			File: SB-19.MIP
Company: Zebra	Operator: Dan F		Date: 11/11/2013
Project ID: CTS	Client: AMEC		Location:



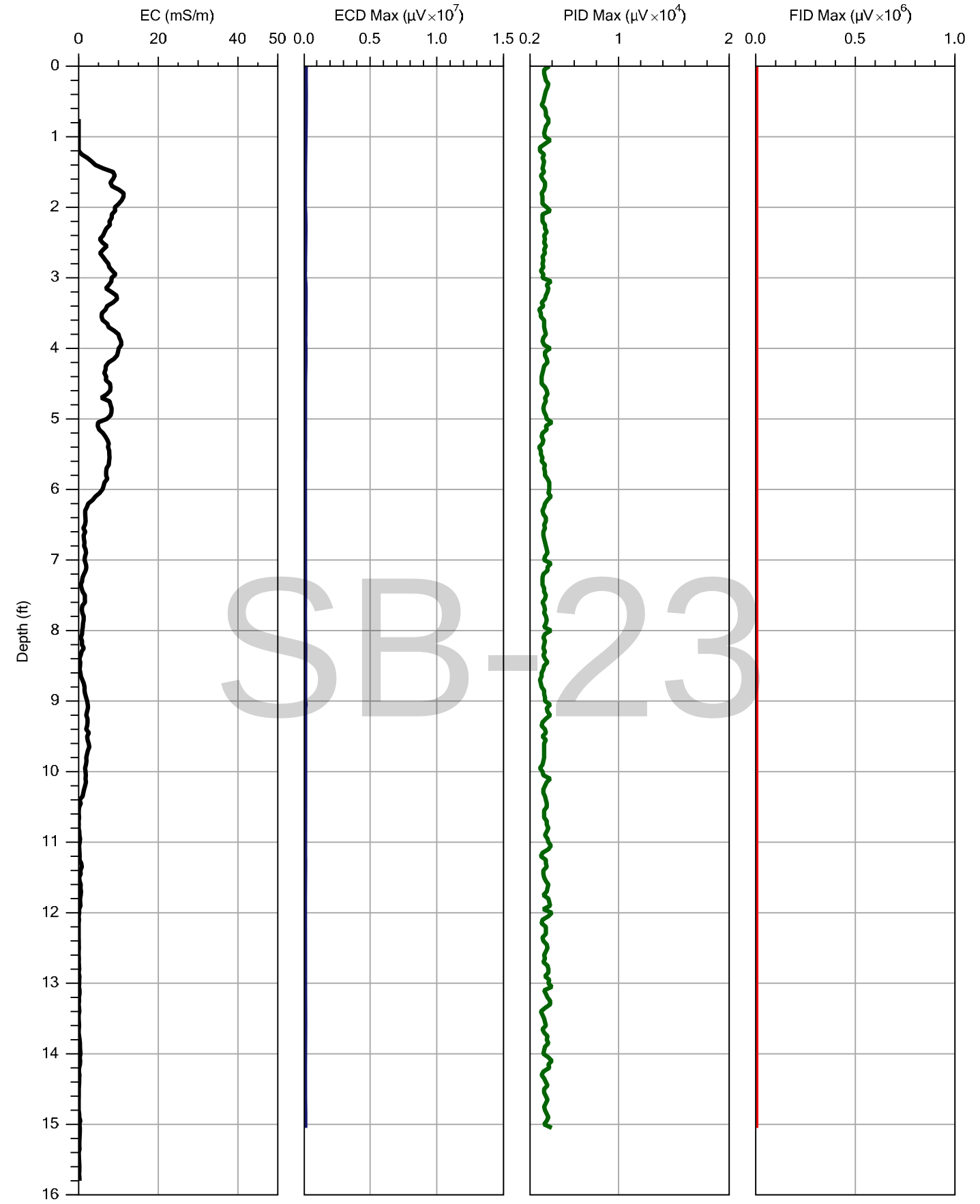
			File: SB-20.MIP
Company: Zebra	Operator: Dan F		Date: 11/11/2013
Project ID: CTS	Client: AMEC		Location:



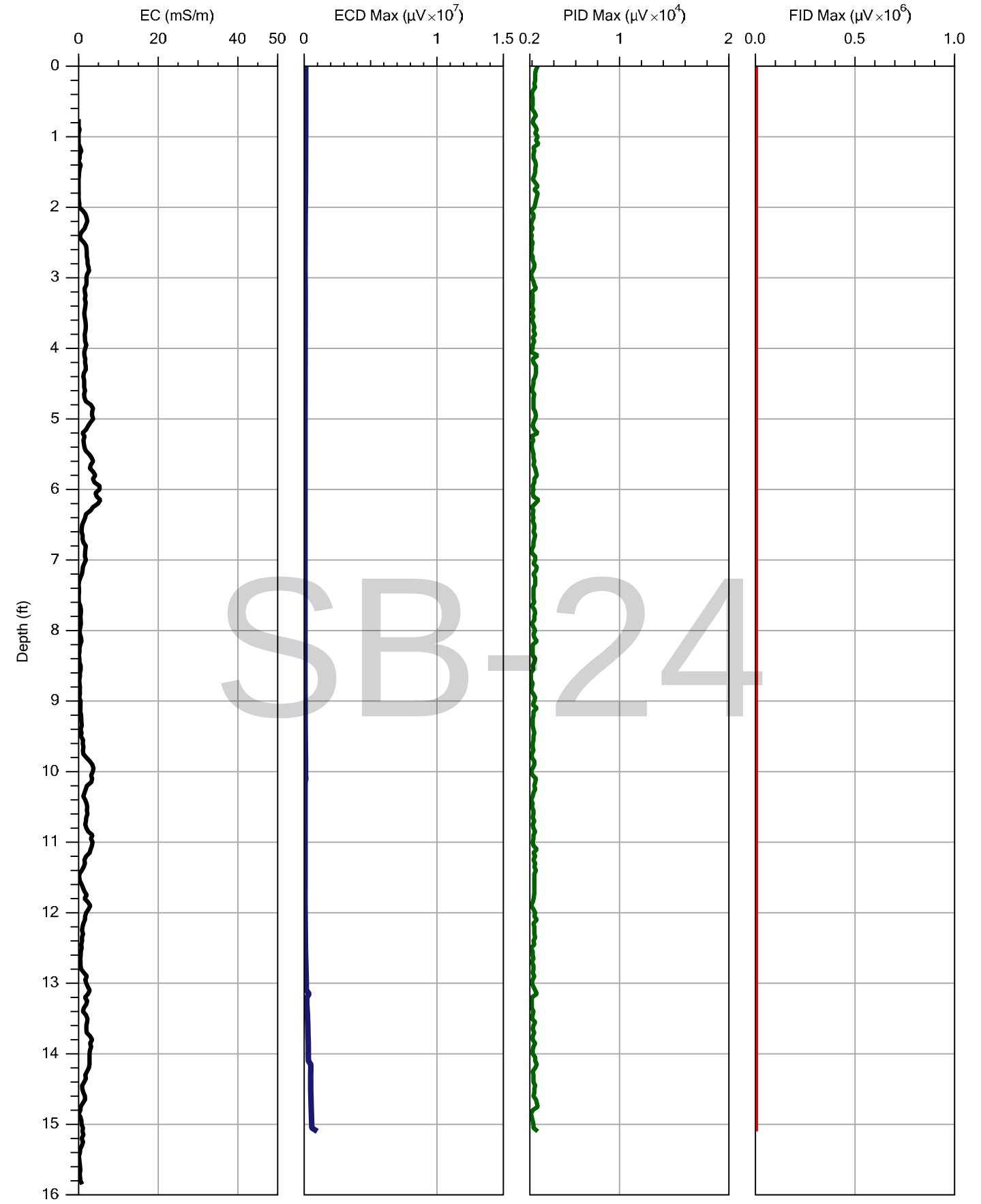
			File: SB-21.MIP
Company: Zebra	Operator: Dan F		Date: 11/11/2013
Project ID: CTS	Client: AMEC		Location:



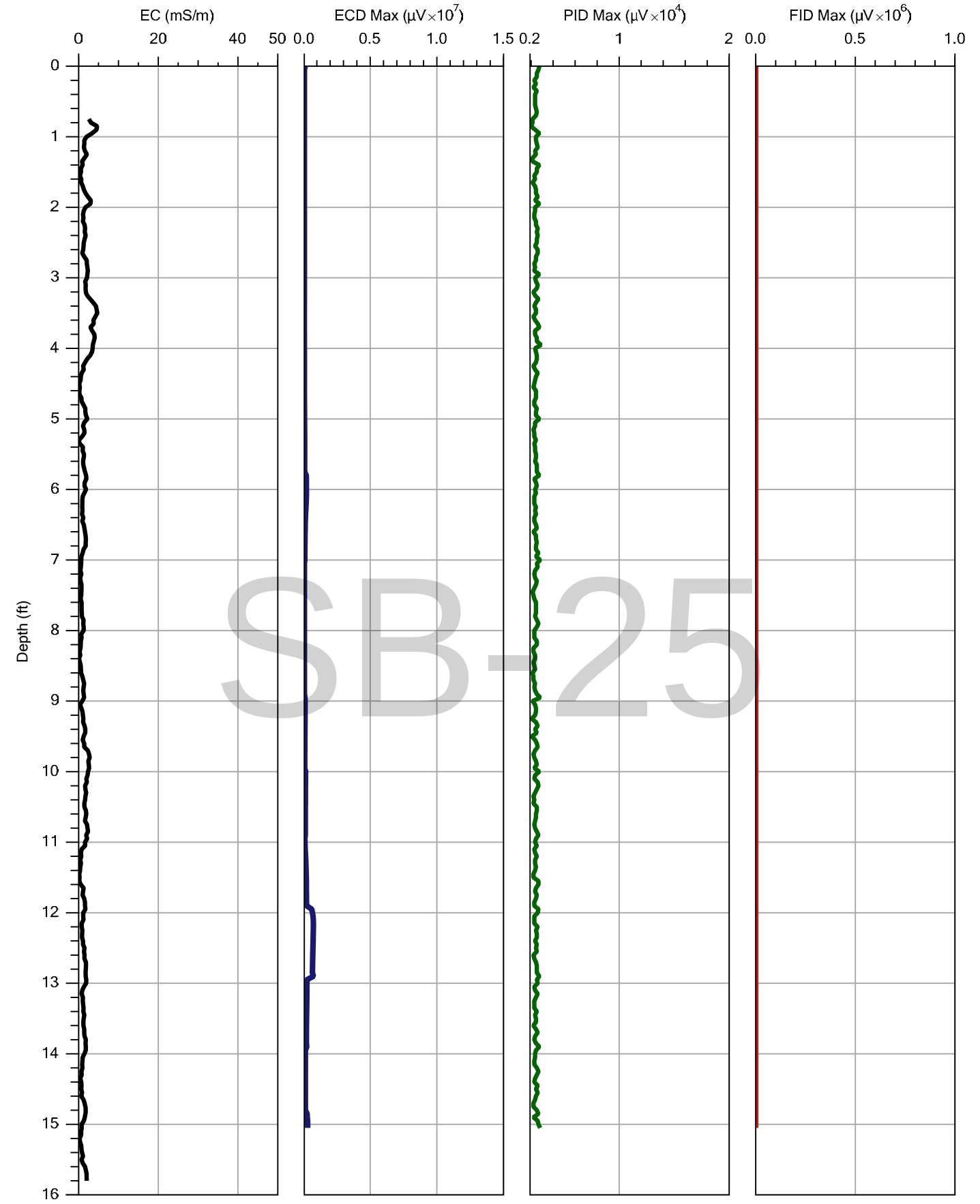
			File: SB-22.MIP
Company: Zebra	Operator: Dan F		Date: 11/11/2013
Project ID: CTS	Client: AMEC		Location:



			File: SB-23A.MIP
Company: Zebra	Operator: Dan F		Date: 11/11/2013
Project ID: CTS	Client: AMEC		Location:



			File: SB-24.MIP
Company: Zebra	Operator: Dan F		Date: 11/12/2013
Project ID: CTS	Client: AMEC		Location:



			File: SB-25.MIP
Company: Zebra		Operator: Dan F	Date: 11/11/2013
Project ID: CTS		Client: AMEC	Location:

APPENDIX C

BORING LOGS

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTSCSS-SB-204

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417.3 ft.	Boring Date: 11/20/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
		SB-204-0-1	0-5 80%	0.4		Concrete
				0.2		RESIDUAL: Brown, slightly micaceous, fine to medium sand, slightly moist, little to some silt, massive appearance
				0.1		
				0.0		
5			5-10 100%	0.0		
				0.5		
				0.6		
				0.2		
		SB-204-9-10		0.8		
10			10-15 100%	1.1		
		SB-204-11-12		2.4		
				8.6		
				5.0		
				5.6		
15				7.6		

Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTSCSS-SB-205

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417.3 ft.	Boring Date: 11/20/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 75%			Concrete
		SB-205-0-1		11.4		RESIDUAL: Orangish-brown, fine to medium sand, slightly moist, little/some silt, massive appearance with dark mineral weathering
				3.2		
				1.5		
				5.1		Brown, micaceous, slity, fine to medium sand, slightly moist to moist, mostly foliated
5			5-10 100%	4.3		
		SB-205-6-7		10.1		
				10.7		
				5.5		
				5.1		
10			10-15 100%	2.3		
				21.6		
				14.4		
				12.7		
				74.6		
		SB-205-14-15				
15				85.8		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTSCSS-SB-206

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417.3 ft.	Boring Date: 11/18/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 80%	0.1		Concrete
				0.1		RESIDUAL: Reddish-brown, slightly micaceous, silty, fine sand, slightly moist, massive/thinly bedded appearance, becoming fine sand with little/some silt with depth
				0.1		
				0.1		
		SB-206-4-5		0.1		
5			5-10 100%	0.1		
				0.1		
				0.2		
				0.1		Brown, micaceous, fine to medium sand, slightly moist, little/some silt, foilated
		SB-206-8-10		0.2		
10			10-15 100%	0.4		
				0.4		
				0.1		
				0.0		
				31.3		
		SB-206-14-15				
15				74.7		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTSCSS-SB-207

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417.0 ft.	Boring Date: 11/12/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 60%	2.6		RESIDUAL: Orangish-brown to grayish-brown, slightly micaceous, fine to medium sand, slightly moist, little/some silt, massive with dark mineral weathering
				2.3		
		SB-207-3-4		2.2		
				5.1		
5			5-10 80%	2.8		
		SB-207-6-7		2.5		
				4.1		
				1.9		
				1.9		
10			10-15 100%	0.6		Gray, slightly micaceous, fine to medium sand, moist, little/some silt, massive with dark mineral weathering
				26.6		
				173		
		SB-207-13-14		318		
				771		
15				50		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTSCSS-SB-208

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2424 ft.	Boring Date: 11/20/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 90%	0.1		POSSIBLE FILL: Red, sandy silt, moist, trace mica
				0.1		
				0.6		RESIDUAL: Brownish-red, micaceous, silty, fine to medium sand, moist, massive with dark mineral weathering
				0.2		Quartz seam at 6'
		SB-208-4-5				
5			5-10 90%	0.8		
				0.0		
				0.0		Brown, highly micaceous, silty, fine to medium sand, moist, mostly foliated
		SB-208-7-9		0.2		Quartz seam at 11.5'
				0.0		
10			10-15 100%	0.0		
				0.1		
		SB-208-12-13		0.1		
				0.4		
				0.2		Brown, slightly micaceous, fine to medium sand, moist, little/some silt, massive appearance
15				0.2		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-01

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417.3 ft.	Boring Date: 11/19/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 75%			Concrete
				7.9		POSSIBLE FILL: Brownish-red, slightly micaceous, silty, fine sand, moist, no apparent structure
				24.0		
				10.9		
				26.9		RESIDUAL: Brown, slightly micaceous, silty, fine sand, moist, mostly massive
		SB-01-4-5				Quartz seam at 7'
5			5-10 100%	41.6		2" quartz-rich zone at 9'
				13.0		
		SB-01-7-8		67.8		
				84.8		
				73.5		
10			10-15 100%	21.4		
				94.4		
		SB-01-11-12		133		Brown, slightly micaceous, silty, fine sand, moist, foliated
				119		
				56.0		
15				68.4		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-04

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417.3 ft.	Boring Date: 11/18/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 75%			Concrete
				0.9		RESIDUAL: Orangish-brown to brown, slightly micaceous, fine to medium sand, slightly moist, little/some silt, massive appearance
				0.5		
				1.9		
		SB-04-3-4		2.5		
5			5-10 100%	1.6		
				4.3		
		SB-04-6-7		10.9		
				9.8		
				6.8		
10			10-15 100%	3.3		
				12.5		
		SB-04-11-12		24.2		
				15.2		
				14.3		
15				12.7		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-07

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417.0 ft.	Boring Date: 11/20/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
0		SB-07-0-1	0-5 50%	0.5		RESIDUAL: Orangish-brown, micaceous, silty, fine to medium sand, moist, strongly foliated
				0.3		
				0.1		
				0.1		
5			5-10 100%	0.1		Orangish-brown, fine to medium sand, moist, little/some silt to silty, massive appearance with abundant dark mineral weathering
				0.1		
				0.2		
				0.1		
		SB-07-9-10		0.2		
10			10-15 100%	0.1		
				0.1		
				0.1		
		SB-07-13-14		0.1		
				0.2		
15				0.0		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-11

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417.3 ft.	Boring Date: 11/19/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 80%			Concrete
				0.2		RESIDUAL: Reddish-brown, slightly micaceous, silty, fine to medium sand, slightly moist, moslty massive appearance (zones of dark brown, highly micaceous, silty, fine to medium sand)
				0.9		
				0.7		
		SB-11-3-5		0.7		
5				1.1		
			5-10 90%	1.1		Reddish-brown, slightly micaceous, fine to medium sand, slightly moist, little silt, moslty massive appearance
		SB-11-7-8		1.7		Reddish-brown, slightly micaceous, silty, fine to medium sand, slightly moist, moslty massive appearance
				2.6		
				1.2		
10				0.4		
			10-15 95%	0.6		
				3.5		Dark brown, highly micaceous, silty, fine to medium sand, moist, foliated
				3.9		
				2.0		
		SB-11-14-15				
15				7.6		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-12

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417.3 ft.	Boring Date: 11/20/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 75%	0.3		Concrete
				0.3		RESIDUAL: Brown, slighlty micaceous, fine to medium sand, slightly moist to moist, little/some silt, massive appearance with dark mineral weathering
		SB-12-2-3		1.6		
				0.3		
5			5-10 100%	0.8		
				0.0		
				0.0		
				0.0		
		SB-12-9-10		0.0		
10			10-15 100%	0.0		
				0.0		
				0.0		
				0.0		
		SB-12-14-15		0.0		
15				0.0		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-13

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417.3 ft.	Boring Date: 11/19/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 80%			Concrete
				0.4		RESIDUAL: Dark brown, brown, and orangish-brown, micaceous to highly micaceous, silty, fine to medium sand, slightly moist, mostly foliated
		SB-13-2-3		0.5		
				0.8		
				0.4		
5		SB-13-5-6	5-10 100%	0.7		
				0.3		
				0.2		
				0.1		
				0.2		
10		SB-13-10-11	10-15 100%	0.0		
				0.6		Orangish-brown, slightly micaceous, silty, fine sand, moist, massive appearance with dark mineral weathering
				0.5		
				0.4		
				0.2		
15				0.1		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-14

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2415 ft.	Boring Date: 11/19/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 75%	0.0		POSSIBLE FILL: Brownish-red, sandy silt, moist, some quartz fragments/gravel
				0.0		
		SB-14-3-4		0.2		
				1.9		
5			5-10 95%	0.8		
				1.7		
				5.5		RESIDUAL: Brown to dark brown, micaceous to highly micaceous, silty, fine to medium sand, moist, mostly massive structure
		SB-14-7-8		8.8		
				2.4		
10			10-15 90%	2.3		
		SB-14-10-11		5.7		
				5.2		
				5.2		
				1.7		
15				4.8		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-15

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417.3 ft.	Boring Date: 11/19/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 50%			Concrete
				0.4		POSSIBLE FILL: Reddish-brown, silty, fine to medium sand, slightly moist
				64.0		
				93.6		
				154		RESIDUAL: Brown, slightly micaceous, fine to medium sand, slightly moist, some silt, massive appearance
		SB-15-4-5				
5			5-10 80%	207		
				28.1		
				44.3		
		SB-15-7-8				
				62.3		
				10.8		Brownish-red, slightly micaceous, fine to medium sand, slightly moist, some silt, massive appearance with dark mineral weathering
10			10-15 100%	15.2		
				8.7		Brown, slightly micaceous, fine to medium sand, moist, some silt, thinly bedded to massive
		SB-15-11-12				
				22.1		
				13.2		
				10.0		
15				2.0		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-16

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417.3 ft.	Boring Date: 11/19/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 75%			Concrete
				43.7		POSSIBLE FILL: Brownish-red, sandy silt, moist
				81.1		
				89.1		RESIDUAL: Dark brown to orangish-brown, highly micaceous, silty, fine to medium sand, moist, foliated
				73.5		
		SB-16-4-5				
5			5-10 100%	145		
				140		
				150		
		SB-16-7-8				
				157		
				90.9		
10				42.8		Orangish-brown, micaceous, silty, fine to medium sand, moist, massive appearance with dark mineral weathering
		SB-16-10-11	10-15 95%			
				36.3		
				12.5		
				7.3		
				17.6		
15				7.1		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-17

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417 ft.	Boring Date: 11/12/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 60%			RESIDUAL: Brown, micaceous to highly micaceous, silty, fine to medium sand, slightly moist, thinly bedded appearance
		SB-17-0-1		3.1		
				2.6		
				2.7		
				0.8		
5			5-10 90%	1.7		
				1.2		
				7.2		
				9.5		Orange, fine to coarse sand, little silt, massive/thick bedding, dark mineral weathering Quartz and kaolin seam/layer from 11' to 11.5'
		SB-17-9-10		6.9		
10			10-15 100%	14.0		
				17.1		
				2.8		Gray, silty, fine to medium sand, wet, bedded appearance
				2.9		Brown, micaceous, silty, fine to medium sand, moist, thinly bedded appearance
		SB-17-13-14		32.4		
15				13.3		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-18

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417.3 ft.	Boring Date: 11/13/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 75%			Concrete
				5.3		RESIDUAL: Brown, micaceous, silty, fine to medium sand, slightly moist, foliated
				5.9		
				2.7		
				4.5		
		SB-18-4-5				
5			5-10 80%	10.0		Brown, micaceous, fine to medium sand, slightly moist, little/some silt, massive appearance with zones that are foliated
		SB-18-5-6		15.6		
				8.3		
				5.0		
				7.5		
10			10-15 80%	2.5		
		SB-18-10-12		7.8		
				13.8		
				2.4		
				3.5		
15				5.3		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-19

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417.3 ft.	Boring Date: 11/11/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 50%			Concrete
				0.1		RESIDUAL: Orangish-brown, slightly micaceous, fine to medium sand, moist, little/some silt, massive appearance with dark mineral weathering
		SB-19-2-3		0.2		
				0.6		
				0.2		
5			5-10 80%	0.2		
				0.1		
				0.2		
				0.6		
		SB-19-8-10		0.6		
10			10-15 80%	1.4		
				1.7		
				4.9		
				5.9		
				15.4		
		SB-19-14-15				
15				22.3		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-20

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417 ft.	Boring Date: 11/20/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 50%	0.1		POSSIBLE FILL: Brown, slightly micaceous, silty, fine to medium sand, moist Gray and white quartz zone at 3'
				0.2		
				0.9		
		SB-20-3-4		1.0		
						RESIDUAL: Orangish-brown, slightly micaceous, fine to medium sand, moist, little/some silt, mostly massive appearance with dark mineral weathering Abundant quartz in soil matrix from 5' to 10'
5			5-10 50%	0.4		
				1.3		
				0.6		
				0.5		
				1.2		
		SB-20-9-10				
10			10-15 60%	2.3		
				5.1		
				6.0		
				6.5		
				4.2		
		SB-20-14-15				
15				14.8		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-21

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417 ft.	Boring Date: 11/12/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 50%			RESIDUAL: Orangish-brown to grayish-brown, slightly micaceous, fine to medium sand, slightly moist to moist, little/some silt, massive appearance
		SB-21-1-2		5.5		
				6.1		
				0.7		
				0.8		
5			5-10 80%	0.3		
				0.5		
				0.4		
				0.5		
		SB-21-9-10		0.4		
10			10-15 90%	0.6		
				3.8		
				2.1		
				2.0		
				3.0		
		SB-21-14-15				
15				20.2		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-22

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417 ft.	Boring Date: 11/20/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 95%	0.0		RESIDUAL: Brown to orangish-brown, micaceous, silty, fine to medium sand, moist, foliated
				0.1		
				0.1		
				0.1		
		SB-22-4-5				
5			5-10 100%	0.1		
				0.1		
				0.0		
				0.0		
				0.0		Orangish-brown, fine to medium sand, moist to very moist, little/some silt, massive with dark mineral weathering, zones containing coarse sand
		SB-22-9-10				
10			10-15 100%	0.1		
				0.0		
				0.8		
		SB-22-12-13				
				1.4		
				0.0		
15				0.7		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-23

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417 ft.	Boring Date: 11/18/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
						Concrete
		SB-23-0-1	0-5 75%	0.1		RESIDUAL: Brown, slightly micaceous, fine to medium sand, slightly moist, little/some silt, massive appearance with dark mineral weathering
				0.0		
				0.0		
				0.0		
5			5-10 90%	0.0		Dark brown, highly micaceous, silty, fine to medium sand, slightly moist, foliated
				0.0		
				0.0		
				0.0		Brown, slightly micaceous, fine to medium sand, slightly moist, little/some silt, massive appearance with dark mineral weathering
		SB-23-9-10		0.0		
10			10-15 100%	0.0		
				0.1		Dark brown, highly micaceous, silty, fine to medium sand, slightly moist, foliated
				0.1		
				0.2		Orangish-brown, fine to medium sand, slightly moist, little coarse sand, little silt
				0.3		
		SB-23-14-15				
15				0.8		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-24

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417.3 ft.	Boring Date: 11/18/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 75%			Concrete
				0.2		RESIDUAL: Brown, slightly micaceous, fine to medium sand, slightly moist, little/some silt, massive appearance with dark mineral weathering
				0.2		
				0.6		
		SB-24-3-4		0.1		
5			5-10 95%	0.3		
				0.5		Dark brown to brown, highly micaceous, silty, fine to medium sand, moist, foliated
				0.9		
				1.3		
		SB-24-8-9		1.4		
10			10-15 100%	0.5		
				0.2		
				1.8		
				7.7		
				36.3		
		SB-24-14-15		169		
15						Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

BORING LOG

AMEC Environment & Infrastructure, Inc.
1308 Patton Avenue
Asheville, North Carolina 28806

Boring ID: CTS-SB-25

Project: Mills Gap Road Groundwater Contamination Site	Drilling Company: Zebra Environmental
Location: Asheville, North Carolina	Driller: Dan Ferrell (NC 3221)
Project Number: 6690039450	Boring Method: Direct-Push Technology
Logged By: S. Kelly Checked By: R. Clark	Equipment: Geoprobe 7822DT
Approximate Ground Surface Elevation (feet): 2417.3 ft.	Boring Date: 11/13/2013

Depth (feet)	Sample	Sample Name	Recovery (%)	PID (ppm)	Lithology	Lithologic Description
			0-5 75%			Concrete
				0.3		RESIDUAL: Brown, micaceous, silty, fine to medium sand, slightly moist, mostly foliated
				0.6		Wet at 12.5'
		SB-25-3-4		0.3		
				0.8		
5			5-10 80%	0.7		
				1.5		
				2.3		
				2.1		
		SB-25-9-10		3.1		
10			10-15 90%	5.0		
				6.8		
				10.8		
		SB-25-13-14		43.2		
				171		
15				93.8		Boring Terminated at 15 feet.

REMARKS:
PID (ppm) = Photoionization Detector (parts per million)

APPENDIX D

WASTE MANIFEST

DC8956179

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NCD003149556	1	803-957-9175	006907448 JJK

GENERATOR

5. Generator's Name and Mailing Address
CTS Corporation
905 West Boulevard North, Elkhart, IN 46514
Generator's Phone: **574-523-3800**

Generator's Site Address (if different than mailing address)
235 Mills Gap Road
Skyland, NC

6. Transporter 1 Company Name: **A&D Environmental Services (SC), LLC.** U.S. EPA ID Number: SCD987598331

7. Transporter 2 Company Name: CLEAN HARBORS ENVIRONMENTAL SERVICES, INC. U.S. EPA ID Number: MAD 039322250

8. Designated Facility Name and Site Address
Clean Harbors El Dorado, LLC
309 American Circle, El Dorado, AR 71730 USA
Facility's Phone: 870-863-7173 U.S. EPA ID Number: ARD069748192

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. **UN3082, Waste Environmentally Hazardous Substances, Liquid, N.O.S., (Trichloroethylene), 9, PGIII**	2	DM	110	G	D040
	2. **UN3077, Waste Environmentally Hazardous Substances, Solid, N.O.S., (Trichloroethylene), 9, PGIII**	3	DM	165	G	D040 D006 D010
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1) CH469693 2x55
2) CH731231 3x55

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Susan Kelly as agent for CTS Corporation Signature: [signature] Month: 1 Day: 13 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Chris Peter Signature: [signature] Month: 1 Day: 13 Year: 14

Transporter 2 Printed/Typed Name: KENNETH J. BEARD FOR CLEAN HARBORS Signature: [signature] Month: 1 Day: 17 Year: 14

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H040 2. H141 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Chadeeka Thompson Signature: [signature] Month: 2 Day: 19 Year: 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: NCD003149556

22. Page 2 of 4

23. Manifest Tracking Number: 006907448JJK

24. Generator's Name: CTS CORPORATION

25. Transporter 3 Company Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC. U.S. EPA ID Number: MAD039322250

26. Transporter 4 Company Name: Clean Harbors Env. Services Inc U.S. EPA ID Number: MAD039322250

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes

TRANS ONLY

32. Special Handling Instructions and Additional Information

GENERATOR

TRANSPORTER

33. Transporter 3 Acknowledgment of Receipt of Materials
Printed/Typed Name: WAYNE RYBRAND Signature: Wayne Rybrand Month: 1 Day: 17 Year: 14

34. Transporter 4 Acknowledgment of Receipt of Materials
Printed/Typed Name: Randy Crowson Signature: [signature] Month: 1 Day: 17 Year: 14

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: NCD003149556

22. Page: 3/34

23. Manifest Tracking Number: 006907448JJK

24. Generator's Name: CTS Corporations

25. Transporter 5 Company Name: Robbie D. Wood — U.S. EPA ID Number: ACD067121891

26. Transporter 4 Company Name: Clean Harbors Env Ser — U.S. EPA ID Number: MAD039322250

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes

Tod

32. Special Handling Instructions and Additional Information

GENERATOR

TRANSPORTER

33. Transporter 5 Acknowledgment of Receipt of Materials

Printed/Typed Name: Paula Rispale — Signature: [signature] — Month 2 Day 5 Year 14

34. Transporter 4 Acknowledgment of Receipt of Materials

Printed/Typed Name: Jerri Elliott — Signature: [signature] — Month 02 Day 07 Year 14

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: NCD003140556 | 22. Page: 4/4 | 23. Manifest Tracking Number: 000690 7448 SJK

24. Generator's Name: CTS

25. Transporter 1 Company Name: Clean Harbors Env. Services Inc. | U.S. EPA ID Number: MAD039322250

26. Transporter _____ Company Name | U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
	TPO					

32. Special Handling Instructions and Additional Information

GENERATOR

TRANSPORTER

33. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Eddie Johnson | Signature: Eddie Johnson | Month: 2 | Day: 9 | Year: 14

34. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

APPENDIX E

LABORATORY ANALYTICAL REPORTS

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

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

November 25, 2013

Ms. Susan Kelly
AMEC- Asheville
1308 Patton Avenue
Asheville, NC 28806

RE: Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Dear Ms. Kelly:
Enclosed are the analytical results for sample(s) received by the laboratory on November 13, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92179407001	**CTS-STB-01**	Solid	11/12/13 00:00	11/13/13 15:00
92179407002	**CTS-STB-02**	Solid	11/12/13 00:00	11/13/13 15:00
92179407003	**CTS-RB-01**	Water	11/13/13 09:45	11/13/13 15:00
92179407004	**CTS-RB-02**	Water	11/13/13 09:55	11/13/13 15:00
92179407005	**CTS-SB-21-1-2**	Solid	11/12/13 13:45	11/13/13 15:00
92179407006	**CTS-SB-21-9-10**	Solid	11/12/13 13:50	11/13/13 15:00
92179407007	**CTS-SB-21-14-15**	Solid	11/12/13 14:00	11/13/13 15:00
92179407008	**CTS CSS-SB-207-3-4**	Solid	11/12/13 14:25	11/13/13 15:00
92179407009	**CTS CSS-SB-207-6-7**	Solid	11/12/13 14:35	11/13/13 15:00
92179407010	**CTS CSS-SB-207-13-14**	Solid	11/12/13 14:45	11/13/13 15:00
92179407011	**CTS-SB-17-0-1**	Solid	11/12/13 15:00	11/13/13 15:00
92179407012	**CTS-SB-17-9-10**	Solid	11/12/13 15:15	11/13/13 15:00
92179407013	**CTS-SB-17-13-14**	Solid	11/12/13 15:30	11/13/13 15:00
92179407014	**CTS-SB-501**	Solid	11/13/13 11:25	11/13/13 15:00
92179407015	**CTS-SB-19-2-3**	Solid	11/13/13 10:15	11/13/13 15:00
92179407016	**CTS-SB-19-8-10**	Solid	11/13/13 10:25	11/13/13 15:00
92179407017	**CTS-SB-19-14-15**	Solid	11/13/13 10:40	11/13/13 15:00
92179407018	**CTS-SB-18-4-5**	Solid	11/13/13 11:00	11/13/13 15:00
92179407019	**CTS-SB-18-5-6**	Solid	11/13/13 11:10	11/13/13 15:00
92179407020	**CTS-SB-18-10-12**	Solid	11/13/13 11:25	11/13/13 15:00
92179407021	**CTS-SB-25-3-4**	Solid	11/13/13 13:15	11/13/13 15:00
92179407022	**CTS-SB-25-9-10**	Solid	11/13/13 13:25	11/13/13 15:00
92179407023	**CTS-SB-25-13-14**	Solid	11/13/13 13:35	11/13/13 15:00

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92179407001	**CTS-STB-01**	EPA 8260	DLK	55	PASI-C
92179407002	**CTS-STB-02**	EPA 8260	DLK	55	PASI-C
92179407003	**CTS-RB-01**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	MCK	55	PASI-C
92179407004	**CTS-RB-02**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	MCK	55	PASI-C
92179407005	**CTS-SB-21-1-2**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407006	**CTS-SB-21-9-10**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407007	**CTS-SB-21-14-15**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407008	**CTS CSS-SB-207-3-4**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407009	**CTS CSS-SB-207-6-7**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407010	**CTS CSS-SB-207-13-14**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407011	**CTS-SB-17-0-1**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407012	**CTS-SB-17-9-10**	EPA 8270	BPJ	56	PASI-C

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SAMPLE ANALYTE COUNT

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407013	**CTS-SB-17-13-14**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407014	**CTS-SB-501**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407015	**CTS-SB-19-2-3**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407016	**CTS-SB-19-8-10**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407017	**CTS-SB-19-14-15**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407018	**CTS-SB-18-4-5**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407019	**CTS-SB-18-5-6**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407020	**CTS-SB-18-10-12**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407021	**CTS-SB-25-3-4**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C

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SAMPLE ANALYTE COUNT

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407022	**CTS-SB-25-9-10**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92179407023	**CTS-SB-25-13-14**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C

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SUMMARY OF DETECTION

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92179407001	**CTS-STB-01**					
EPA 8260	Acetone	12.2J	ug/kg	100	11/14/13 12:39	
92179407002	**CTS-STB-02**					
EPA 8260	Acetone	256	ug/kg	100	11/14/13 12:59	A+,C0
92179407003	**CTS-RB-01**					
EPA 8260	Chloroform	2.1	ug/L	1.0	11/15/13 03:51	
EPA 8260	Methylene Chloride	3.1	ug/L	2.0	11/15/13 03:51	
92179407004	**CTS-RB-02**					
EPA 8260	Chloroform	2.0	ug/L	1.0	11/18/13 22:57	
EPA 8260	1,2-Dichlorobenzene	0.61J	ug/L	1.0	11/18/13 22:57	
EPA 8260	Methylene Chloride	4.4	ug/L	2.0	11/18/13 22:57	
92179407005	**CTS-SB-21-1-2**					
EPA 8260	Acetone	59.6J	ug/kg	106	11/14/13 17:14	
ASTM D2974-87	Percent Moisture	13.6	%	0.10	11/20/13 14:19	
92179407006	**CTS-SB-21-9-10**					
EPA 8260	Acetone	89.8J	ug/kg	92.0	11/14/13 17:34	
EPA 8260	Trichloroethene	10.7	ug/kg	4.6	11/14/13 17:34	
ASTM D2974-87	Percent Moisture	11.1	%	0.10	11/20/13 14:19	
92179407007	**CTS-SB-21-14-15**					
EPA 8260	Acetone	379	ug/kg	103	11/14/13 17:53	
EPA 8260	Trichloroethene	44.4	ug/kg	5.1	11/14/13 17:53	
ASTM D2974-87	Percent Moisture	11.3	%	0.10	11/20/13 14:19	
92179407008	**CTS CSS-SB-207-3-4**					
EPA 8270 by SIM	2-Methylnaphthalene	1.9J	ug/kg	11.3	11/18/13 16:50	
EPA 8260	Acetone	56.1J	ug/kg	86.9	11/14/13 18:13	
EPA 8260	Trichloroethene	19.3	ug/kg	4.3	11/14/13 18:13	
ASTM D2974-87	Percent Moisture	11.4	%	0.10	11/20/13 14:19	
92179407009	**CTS CSS-SB-207-6-7**					
EPA 8260	Acetone	82.2J	ug/kg	93.0	11/14/13 18:32	
EPA 8260	2-Butanone (MEK)	12.1J	ug/kg	93.0	11/14/13 18:32	
EPA 8260	cis-1,2-Dichloroethene	4.0J	ug/kg	4.7	11/14/13 18:32	
EPA 8260	Trichloroethene	54.1	ug/kg	4.7	11/14/13 18:32	
ASTM D2974-87	Percent Moisture	18.9	%	0.10	11/20/13 14:19	
92179407010	**CTS CSS-SB-207-13-14**					
EPA 8270 by SIM	Acenaphthene	1540	ug/kg	551	11/20/13 13:18	
EPA 8270 by SIM	Fluorene	4260	ug/kg	551	11/20/13 13:18	
EPA 8270 by SIM	1-Methylnaphthalene	21400	ug/kg	551	11/20/13 13:18	
EPA 8270 by SIM	2-Methylnaphthalene	22100	ug/kg	551	11/20/13 13:18	
EPA 8270 by SIM	Phenanthrene	7410	ug/kg	551	11/20/13 13:18	
EPA 8270 by SIM	Pyrene	921	ug/kg	551	11/20/13 13:18	
EPA 8260	Acetone	272J	ug/kg	2110	11/14/13 18:52	
EPA 8260	Cyclohexane	59.6J	ug/kg	105	11/14/13 18:52	
EPA 8260	cis-1,2-Dichloroethene	196	ug/kg	105	11/14/13 18:52	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92179407010	**CTS CSS-SB-207-13-14**					
EPA 8260	Ethylbenzene	1450	ug/kg	105	11/14/13 18:52	
EPA 8260	Isopropylbenzene (Cumene)	1140	ug/kg	105	11/14/13 18:52	
EPA 8260	Methyl acetate	455	ug/kg	211	11/14/13 18:52	
EPA 8260	Tetrachloroethene	1720	ug/kg	105	11/14/13 18:52	
EPA 8260	Toluene	171	ug/kg	105	11/14/13 18:52	
EPA 8260	1,1,1-Trichloroethane	870	ug/kg	105	11/14/13 18:52	
EPA 8260	Trichloroethene	47400	ug/kg	4220	11/15/13 18:05	
EPA 8260	m&p-Xylene	1080	ug/kg	211	11/14/13 18:52	
EPA 8260	o-Xylene	2950	ug/kg	105	11/14/13 18:52	
ASTM D2974-87	Percent Moisture	9.3	%	0.10	11/20/13 14:19	
92179407011	**CTS-SB-17-0-1**					
EPA 8260	Acetone	106	ug/kg	102	11/14/13 19:12	A+
EPA 8260	2-Butanone (MEK)	21.3J	ug/kg	102	11/14/13 19:12	
EPA 8260	cis-1,2-Dichloroethene	4.1J	ug/kg	5.1	11/14/13 19:12	
EPA 8260	Tetrachloroethene	12.8	ug/kg	5.1	11/14/13 19:12	
EPA 8260	1,1,1-Trichloroethane	19.5	ug/kg	5.1	11/14/13 19:12	
EPA 8260	Trichloroethene	883	ug/kg	278	11/15/13 18:25	
ASTM D2974-87	Percent Moisture	20.6	%	0.10	11/20/13 14:19	
92179407012	**CTS-SB-17-9-10**					
EPA 8270 by SIM	1-Methylnaphthalene	2.0J	ug/kg	11.0	11/18/13 17:30	
EPA 8270 by SIM	2-Methylnaphthalene	2.5J	ug/kg	11.0	11/18/13 17:30	
EPA 8260	Acetone	195	ug/kg	104	11/14/13 19:31	A+
EPA 8260	2-Butanone (MEK)	44.6J	ug/kg	104	11/14/13 19:31	
EPA 8260	Methylene Chloride	4.1J	ug/kg	20.8	11/14/13 19:31	
EPA 8260	Trichloroethene	929	ug/kg	243	11/15/13 18:44	
ASTM D2974-87	Percent Moisture	9.0	%	0.10	11/20/13 14:19	
92179407013	**CTS-SB-17-13-14**					
EPA 8260	Acetone	48.5J	ug/kg	103	11/14/13 19:51	
EPA 8260	Tetrachloroethene	2.3J	ug/kg	5.1	11/14/13 19:51	
EPA 8260	Trichloroethene	3110	ug/kg	559	11/15/13 19:04	
ASTM D2974-87	Percent Moisture	22.2	%	0.10	11/20/13 14:19	
92179407014	**CTS-SB-501**					
EPA 8260	Acetone	394	ug/kg	105	11/14/13 20:11	
EPA 8260	2-Butanone (MEK)	18.4J	ug/kg	105	11/14/13 20:11	
EPA 8260	cis-1,2-Dichloroethene	18.0	ug/kg	5.3	11/14/13 20:11	
EPA 8260	Trichloroethene	361	ug/kg	133	11/15/13 19:24	
ASTM D2974-87	Percent Moisture	20.2	%	0.10	11/20/13 14:20	
92179407015	**CTS-SB-19-2-3**					
EPA 8260	Acetone	88.4J	ug/kg	116	11/14/13 20:30	
EPA 8260	Trichloroethene	7.5	ug/kg	5.8	11/14/13 20:30	
ASTM D2974-87	Percent Moisture	6.0	%	0.10	11/20/13 14:20	
92179407016	**CTS-SB-19-8-10**					
EPA 8260	Acetone	339	ug/kg	101	11/18/13 13:08	
EPA 8260	2-Butanone (MEK)	64.0J	ug/kg	101	11/18/13 13:08	

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SUMMARY OF DETECTION

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92179407016	**CTS-SB-19-8-10**					
EPA 8260	Methyl acetate	4.1J	ug/kg	10.1	11/18/13 13:08	
EPA 8260	Methylene Chloride	6.3J	ug/kg	20.1	11/18/13 13:08	
EPA 8260	Trichloroethene	11.4	ug/kg	5.0	11/18/13 13:08	
ASTM D2974-87	Percent Moisture	13.6	%	0.10	11/20/13 14:20	
92179407017	**CTS-SB-19-14-15**					
EPA 8270 by SIM	Acenaphthene	230J	ug/kg	626	11/19/13 13:38	
EPA 8270 by SIM	Pyrene	1220	ug/kg	626	11/19/13 13:38	
EPA 8260	Acetone	292	ug/kg	111	11/14/13 21:09	A+
EPA 8260	Benzene	1.9J	ug/kg	5.6	11/14/13 21:09	
EPA 8260	2-Butanone (MEK)	88.5J	ug/kg	111	11/14/13 21:09	
EPA 8260	Cyclohexane	15.5	ug/kg	5.6	11/14/13 21:09	
EPA 8260	cis-1,2-Dichloroethene	49.2	ug/kg	5.6	11/14/13 21:09	
EPA 8260	Ethylbenzene	15.4	ug/kg	5.6	11/14/13 21:09	
EPA 8260	Isopropylbenzene (Cumene)	27.6	ug/kg	5.6	11/14/13 21:09	
EPA 8260	Methylene Chloride	9.8J	ug/kg	22.2	11/14/13 21:09	
EPA 8260	Tetrachloroethene	117	ug/kg	5.6	11/14/13 21:09	
EPA 8260	Toluene	4.6J	ug/kg	5.6	11/14/13 21:09	
EPA 8260	1,1,1-Trichloroethane	302	ug/kg	5.6	11/14/13 21:09	E
EPA 8260	Trichloroethene	11800	ug/kg	3710	11/15/13 19:43	
EPA 8260	o-Xylene	77.8	ug/kg	5.6	11/14/13 21:09	
ASTM D2974-87	Percent Moisture	20.1	%	0.10	11/20/13 14:20	
92179407018	**CTS-SB-18-4-5**					
EPA 8260	Acetone	135	ug/kg	92.0	11/14/13 21:29	A+
EPA 8260	cis-1,2-Dichloroethene	5.5	ug/kg	4.6	11/14/13 21:29	
EPA 8260	Trichloroethene	57.7	ug/kg	4.6	11/14/13 21:29	
ASTM D2974-87	Percent Moisture	15.1	%	0.10	11/20/13 14:20	
92179407019	**CTS-SB-18-5-6**					
EPA 8260	Acetone	192	ug/kg	97.9	11/14/13 21:49	A+
EPA 8260	Trichloroethene	14.0	ug/kg	4.9	11/14/13 21:49	
ASTM D2974-87	Percent Moisture	15.7	%	0.10	11/20/13 14:20	
92179407020	**CTS-SB-18-10-12**					
EPA 8270 by SIM	Benzo(a)anthracene	0.93J	ug/kg	12.7	11/18/13 20:51	
EPA 8260	Acetone	134	ug/kg	111	11/14/13 22:08	A+
EPA 8260	cis-1,2-Dichloroethene	9.2	ug/kg	5.5	11/14/13 22:08	
EPA 8260	Trichloroethene	191	ug/kg	5.5	11/14/13 22:08	
ASTM D2974-87	Percent Moisture	21.4	%	0.10	11/20/13 14:20	
92179407021	**CTS-SB-25-3-4**					
EPA 8260	Acetone	116	ug/kg	92.4	11/14/13 22:28	A+
EPA 8260	Trichloroethene	4.2J	ug/kg	4.6	11/14/13 22:28	
ASTM D2974-87	Percent Moisture	12.6	%	0.10	11/20/13 14:20	
92179407022	**CTS-SB-25-9-10**					
EPA 8260	Acetone	197	ug/kg	119	11/14/13 22:47	A+
EPA 8260	2-Butanone (MEK)	15.9J	ug/kg	119	11/14/13 22:47	
EPA 8260	Trichloroethene	27.5	ug/kg	5.9	11/14/13 22:47	

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SUMMARY OF DETECTION

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92179407022	**CTS-SB-25-9-10**					
ASTM D2974-87	Percent Moisture	13.0	%	0.10	11/20/13 14:20	
92179407023	**CTS-SB-25-13-14**					
EPA 8270 by SIM	Pyrene	143	ug/kg	13.1	11/19/13 11:57	
EPA 8260	Acetone	1290	ug/kg	121	11/18/13 13:28	E
EPA 8260	2-Butanone (MEK)	196	ug/kg	121	11/18/13 13:28	
EPA 8260	cis-1,2-Dichloroethene	5.7J	ug/kg	6.0	11/18/13 13:28	
EPA 8260	Methyl acetate	145	ug/kg	12.1	11/18/13 13:28	
EPA 8260	Tetrachloroethene	2.1J	ug/kg	6.0	11/18/13 13:28	
EPA 8260	Trichloroethene	492	ug/kg	131	11/19/13 14:36	
ASTM D2974-87	Percent Moisture	23.6	%	0.10	11/20/13 14:30	

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PROJECT NARRATIVE

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Method: **EPA 8270**
Description: 8270 MSSV Microwave
Client: AMEC, Asheville
Date: November 25, 2013

General Information:
19 samples were analyzed for EPA 8270. 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.

QC Batch: OEXT/24740

P3: Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
- CTS CSS-SB-207-13-14 (Lab ID: 92179407010)
- CTS-SB-17-0-1 (Lab ID: 92179407011)
- CTS-SB-19-14-15 (Lab ID: 92179407017)

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.

QC Batch: OEXT/24740

S0: Surrogate recovery outside laboratory control limits.
- CTS CSS-SB-207-3-4 (Lab ID: 92179407008)
  - 2-Fluorobiphenyl (S)

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- CTS CSS-SB-207-13-14 (Lab ID: 92179407010)
  - 2-Fluorobiphenyl (S)
- CTS-SB-17-0-1 (Lab ID: 92179407011)
  - 2-Fluorobiphenyl (S)
- CTS-SB-19-14-15 (Lab ID: 92179407017)
  - 2-Fluorobiphenyl (S)

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

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

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PROJECT NARRATIVE

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Method: **EPA 8270**
Description: 8270 MSSV Microwave
Client: AMEC, Asheville
Date: November 25, 2013

QC Batch: OEXT/24740

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 1086489)
  - Benzaldehyde

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: 1086489)
  - 2,3,4,6-Tetrachlorophenol
  - 2,4-Dinitrophenol
  - Atrazine

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

QC Batch: OEXT/24740

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92179407006

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

- MS (Lab ID: 1086490)
  - Benzaldehyde
- MSD (Lab ID: 1086491)
  - Benzaldehyde

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1086490)
  - 2,2'-Oxybis(1-chloropropane)
  - Acetophenone
  - Biphenyl (Diphenyl)
- MSD (Lab ID: 1086491)
  - 1,2,4,5-Tetrachlorobenzene
  - 2,2'-Oxybis(1-chloropropane)
  - 2,3,4,6-Tetrachlorophenol
  - Acetophenone
  - Biphenyl (Diphenyl)

R1: RPD value was outside control limits.

- MSD (Lab ID: 1086491)
  - Atrazine
  - Caprolactam

Additional Comments:

Analyte Comments:

QC Batch: OEXT/24740

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

- CTS CSS-SB-207-13-14 (Lab ID: 92179407010)
  - 2-Fluorobiphenyl (S)

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PROJECT NARRATIVE

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Method: **EPA 8270**
Description: 8270 MSSV Microwave
Client: AMEC, Asheville
Date: November 25, 2013

Analyte Comments:

QC Batch: OEXT/24740

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

- CTS-SB-17-0-1 (Lab ID: 92179407011)
  - 2-Fluorobiphenyl (S)
- CTS-SB-19-14-15 (Lab ID: 92179407017)
  - 2-Fluorobiphenyl (S)

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PROJECT NARRATIVE

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Method: **EPA 8270 by SIM**
Description: 8270 MSSV MW PAH by SIM
Client: AMEC, Asheville
Date: November 25, 2013

General Information:
19 samples were analyzed for EPA 8270 by SIM. 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.

QC Batch: OEXT/24817

P3: Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
- CTS CSS-SB-207-13-14 (Lab ID: 92179407010)

QC Batch: OEXT/24737

P3: Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
- CTS-SB-17-0-1 (Lab ID: 92179407011)
- CTS-SB-19-14-15 (Lab ID: 92179407017)

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.

QC Batch: OEXT/24737

S2: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).
- CTS-SB-25-13-14 (Lab ID: 92179407023)
  - Nitrobenzene-d5 (S)
- MS (Lab ID: 1086581)
  - Nitrobenzene-d5 (S)
- MSD (Lab ID: 1086582)
  - Nitrobenzene-d5 (S)

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- CTS-SB-17-0-1 (Lab ID: 92179407011)
  - Nitrobenzene-d5 (S)
- CTS-SB-19-14-15 (Lab ID: 92179407017)
  - Nitrobenzene-d5 (S)

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PROJECT NARRATIVE

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Method: **EPA 8270 by SIM**
Description: 8270 MSSV MW PAH by SIM
Client: AMEC, Asheville
Date: November 25, 2013

QC Batch: OEXT/24817

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- CTS CSS-SB-207-13-14 (Lab ID: 92179407010)
  - Nitrobenzene-d5 (S)

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

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

QC Batch: OEXT/24737

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: 1086313)
  - 1-Methylnaphthalene
  - 2-Methylnaphthalene
  - Fluoranthene

QC Batch: OEXT/24817

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: 1089636)
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(k)fluoranthene
  - Fluoranthene
- LCSD (Lab ID: 1089637)
  - Benzo(k)fluoranthene
  - Fluoranthene

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

QC Batch: OEXT/24737

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92179407016,92179407023

M3: Matrix spike recovery was outside laboratory control limits due to matrix interferences.
- MS (Lab ID: 1086581)
  - Fluoranthene
  - Pyrene
- MSD (Lab ID: 1086582)
  - Pyrene

R1: RPD value was outside control limits.
- MSD (Lab ID: 1086582)
  - Fluorene

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PROJECT NARRATIVE

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Method: **EPA 8270 by SIM**
Description: 8270 MSSV MW PAH by SIM
Client: AMEC, Asheville
Date: November 25, 2013

QC Batch: OEXT/24817

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92180022010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1090067)
  - Acenaphthylene

R1: RPD value was outside control limits.

- MSD (Lab ID: 1090068)
  - 1-Methylnaphthalene
  - 2-Methylnaphthalene
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Fluoranthene
  - Fluorene
  - Naphthalene
  - Phenanthrene

Additional Comments:

Analyte Comments:

QC Batch: OEXT/24737

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

- CTS-SB-17-0-1 (Lab ID: 92179407011)
  - Nitrobenzene-d5 (S)
- CTS-SB-19-14-15 (Lab ID: 92179407017)
  - Nitrobenzene-d5 (S)

QC Batch: OEXT/24817

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

- CTS CSS-SB-207-13-14 (Lab ID: 92179407010)
  - Nitrobenzene-d5 (S)

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PROJECT NARRATIVE

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: AMEC, Asheville
Date: November 25, 2013

General Information:
2 samples were analyzed for EPA 8270. 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 3510 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, where applicable, with any exceptions noted below.

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

QC Batch: OEXT/24738

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- LCS (Lab ID: 1086413)
  - 2,3,4,6-Tetrachlorophenol

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
- LCS (Lab ID: 1086413)
  - Benzaldehyde

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: 1086413)
  - Atrazine

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

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PROJECT NARRATIVE

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: AMEC, Asheville
Date: November 25, 2013

QC Batch: OEXT/24738

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92179395006,92179417002

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

- MS (Lab ID: 1086414)
  - 2,3,4,6-Tetrachlorophenol
  - Benzaldehyde
- MS (Lab ID: 1086416)
  - 2,3,4,6-Tetrachlorophenol
  - Benzaldehyde
- MSD (Lab ID: 1086415)
  - 2,3,4,6-Tetrachlorophenol
  - Benzaldehyde
- MSD (Lab ID: 1086417)
  - 2,3,4,6-Tetrachlorophenol
  - Benzaldehyde

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1086414)
  - 2,6-Dinitrotoluene
- MS (Lab ID: 1086416)
  - 2,4-Dinitrotoluene
  - 2,6-Dinitrotoluene
  - 4-Nitroaniline
- MSD (Lab ID: 1086415)
  - 2,4-Dinitrotoluene
  - 2,6-Dinitrotoluene
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - Caprolactam
  - Hexachlorocyclopentadiene
- MSD (Lab ID: 1086417)
  - 2,2'-Oxybis(1-chloropropane)
  - Acetophenone

Additional Comments:

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PROJECT NARRATIVE

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Method: **EPA 8270 by SIM**
Description: 8270 MSSV PAH by SIM 3510
Client: AMEC, Asheville
Date: November 25, 2013

General Information:
2 samples were analyzed for EPA 8270 by SIM. 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 3510 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, where applicable, with any exceptions noted below.

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

QC Batch: OEXT/24806

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: 1089096)
  - Acenaphthene

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

Additional Comments:

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PROJECT NARRATIVE

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Method: **EPA 8260**
Description: 8260 MSV Low Level
Client: AMEC, Asheville
Date: November 25, 2013

General Information:
2 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, where applicable, 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/24931

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1087629)
  - 1,4-Dioxane (p-Dioxane)

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

Additional Comments:

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PROJECT NARRATIVE

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Method: **EPA 8260**
Description: 8260/5035A Volatile Organics
Client: AMEC, Asheville
Date: November 25, 2013

General Information:
21 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.

QC Batch: MSV/24917

S2: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

- CTS-SB-19-14-15 (Lab ID: 92179407017)
  - 1,2-Dichloroethane-d4 (S)
  - 4-Bromofluorobenzene (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, 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/24951

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: 1088651)
  - Bromomethane

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

QC Batch: MSV/24917

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92179407022

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

- MS (Lab ID: 1086387)
  - Styrene

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PROJECT NARRATIVE

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Method: **EPA 8260**
Description: 8260/5035A Volatile Organics
Client: AMEC, Asheville
Date: November 25, 2013

QC Batch: MSV/24917

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92179407022

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

- MSD (Lab ID: 1086388)
  - Acetone

R1: RPD value was outside control limits.

- MSD (Lab ID: 1086388)
  - 1,2,3-Trichlorobenzene
  - 1,2,4-Trichlorobenzene
  - 2-Hexanone
  - Acetone
  - Bromoform
  - Chloroethane
  - Dichlorodifluoromethane
  - Styrene

Additional Comments:

Analyte Comments:

QC Batch: MSV/24917

C0: Result confirmed by second analysis.

- CTS-STB-02 (Lab ID: 92179407002)
  - Acetone

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- CTS-SB-19-14-15 (Lab ID: 92179407017)
  - 1,1,1-Trichloroethane
- MSD (Lab ID: 1086388)
  - Acetone

QC Batch: MSV/24951

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- CTS-SB-25-13-14 (Lab ID: 92179407023)
  - Acetone

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

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-STB-01 **Lab ID: 92179407001** Collected: 11/12/13 00:00 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**12.2J**	ug/kg	100	10.0	1		11/14/13 12:39	67-64-1	
Benzene	ND	ug/kg	5.0	1.6	1		11/14/13 12:39	71-43-2	
Bromochloromethane	ND	ug/kg	5.0	1.7	1		11/14/13 12:39	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1.9	1		11/14/13 12:39	75-27-4	
Bromoform	ND	ug/kg	5.0	2.3	1		11/14/13 12:39	75-25-2	
Bromomethane	ND	ug/kg	10.0	2.5	1		11/14/13 12:39	74-83-9	
2-Butanone (MEK)	ND	ug/kg	100	2.9	1		11/14/13 12:39	78-93-3	
Carbon disulfide	ND	ug/kg	10.0	3.0	1		11/14/13 12:39	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	2.6	1		11/14/13 12:39	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1.9	1		11/14/13 12:39	108-90-7	
Chloroethane	ND	ug/kg	10.0	2.4	1		11/14/13 12:39	75-00-3	
Chloroform	ND	ug/kg	5.0	1.6	1		11/14/13 12:39	67-66-3	
Chloromethane	ND	ug/kg	10.0	2.4	1		11/14/13 12:39	74-87-3	
Cyclohexane	ND	ug/kg	5.0	1.6	1		11/14/13 12:39	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	3.6	1		11/14/13 12:39	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1.8	1		11/14/13 12:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1.8	1		11/14/13 12:39	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1.9	1		11/14/13 12:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	2.0	1		11/14/13 12:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1.7	1		11/14/13 12:39	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.0	3.6	1		11/14/13 12:39	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1.5	1		11/14/13 12:39	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	2.2	1		11/14/13 12:39	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1.8	1		11/14/13 12:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1.4	1		11/14/13 12:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1.9	1		11/14/13 12:39	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1.7	1		11/14/13 12:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1.8	1		11/14/13 12:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1.5	1		11/14/13 12:39	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1.8	1		11/14/13 12:39	100-41-4	
2-Hexanone	ND	ug/kg	50.0	3.9	1		11/14/13 12:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1.9	1		11/14/13 12:39	98-82-8	
Methyl acetate	ND	ug/kg	10.0	1.4	1		11/14/13 12:39	79-20-9	
Methylcyclohexane	ND	ug/kg	10.0	1.5	1		11/14/13 12:39	108-87-2	
Methylene Chloride	ND	ug/kg	20.0	3.0	1		11/14/13 12:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.0	3.7	1		11/14/13 12:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1.5	1		11/14/13 12:39	1634-04-4	
Styrene	ND	ug/kg	5.0	1.8	1		11/14/13 12:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1.9	1		11/14/13 12:39	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1.7	1		11/14/13 12:39	127-18-4	
Toluene	ND	ug/kg	5.0	1.8	1		11/14/13 12:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	2.2	1		11/14/13 12:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1.6	1		11/14/13 12:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1.8	1		11/14/13 12:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	2.1	1		11/14/13 12:39	79-00-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-STB-01 **Lab ID: 92179407001** Collected: 11/12/13 00:00 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Trichloroethene	ND	ug/kg	5.0	2.1	1		11/14/13 12:39	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	2.2	1		11/14/13 12:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.0	1.9	1		11/14/13 12:39	76-13-1	
Vinyl chloride	ND	ug/kg	10.0	1.8	1		11/14/13 12:39	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	3.6	1		11/14/13 12:39	1330-20-7	
m&p-Xylene	ND	ug/kg	10.0	3.6	1		11/14/13 12:39	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1.9	1		11/14/13 12:39	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/14/13 12:39	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		11/14/13 12:39	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-132		1		11/14/13 12:39	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-STB-02 **Lab ID: 92179407002** Collected: 11/12/13 00:00 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**256**	ug/kg	100	10.0	1		11/14/13 12:59	67-64-1	A+,C0
Benzene	ND	ug/kg	5.0	1.6	1		11/14/13 12:59	71-43-2	
Bromochloromethane	ND	ug/kg	5.0	1.7	1		11/14/13 12:59	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1.9	1		11/14/13 12:59	75-27-4	
Bromoform	ND	ug/kg	5.0	2.3	1		11/14/13 12:59	75-25-2	
Bromomethane	ND	ug/kg	10.0	2.5	1		11/14/13 12:59	74-83-9	
2-Butanone (MEK)	ND	ug/kg	100	2.9	1		11/14/13 12:59	78-93-3	
Carbon disulfide	ND	ug/kg	10.0	3.0	1		11/14/13 12:59	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	2.6	1		11/14/13 12:59	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1.9	1		11/14/13 12:59	108-90-7	
Chloroethane	ND	ug/kg	10.0	2.4	1		11/14/13 12:59	75-00-3	
Chloroform	ND	ug/kg	5.0	1.6	1		11/14/13 12:59	67-66-3	
Chloromethane	ND	ug/kg	10.0	2.4	1		11/14/13 12:59	74-87-3	
Cyclohexane	ND	ug/kg	5.0	1.6	1		11/14/13 12:59	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	3.6	1		11/14/13 12:59	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1.8	1		11/14/13 12:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1.8	1		11/14/13 12:59	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1.9	1		11/14/13 12:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	2.0	1		11/14/13 12:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1.7	1		11/14/13 12:59	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.0	3.6	1		11/14/13 12:59	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1.5	1		11/14/13 12:59	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	2.2	1		11/14/13 12:59	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1.8	1		11/14/13 12:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1.4	1		11/14/13 12:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1.9	1		11/14/13 12:59	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1.7	1		11/14/13 12:59	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1.8	1		11/14/13 12:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1.5	1		11/14/13 12:59	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1.8	1		11/14/13 12:59	100-41-4	
2-Hexanone	ND	ug/kg	50.0	3.9	1		11/14/13 12:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1.9	1		11/14/13 12:59	98-82-8	
Methyl acetate	ND	ug/kg	10.0	1.4	1		11/14/13 12:59	79-20-9	
Methylcyclohexane	ND	ug/kg	10.0	1.5	1		11/14/13 12:59	108-87-2	
Methylene Chloride	ND	ug/kg	20.0	3.0	1		11/14/13 12:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.0	3.7	1		11/14/13 12:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1.5	1		11/14/13 12:59	1634-04-4	
Styrene	ND	ug/kg	5.0	1.8	1		11/14/13 12:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1.9	1		11/14/13 12:59	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1.7	1		11/14/13 12:59	127-18-4	
Toluene	ND	ug/kg	5.0	1.8	1		11/14/13 12:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	2.2	1		11/14/13 12:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1.6	1		11/14/13 12:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1.8	1		11/14/13 12:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	2.1	1		11/14/13 12:59	79-00-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-STB-02 **Lab ID: 92179407002** Collected: 11/12/13 00:00 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Trichloroethene	ND	ug/kg	5.0	2.1	1		11/14/13 12:59	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	2.2	1		11/14/13 12:59	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.0	1.9	1		11/14/13 12:59	76-13-1	
Vinyl chloride	ND	ug/kg	10.0	1.8	1		11/14/13 12:59	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	3.6	1		11/14/13 12:59	1330-20-7	
m&p-Xylene	ND	ug/kg	10.0	3.6	1		11/14/13 12:59	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1.9	1		11/14/13 12:59	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		11/14/13 12:59	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		11/14/13 12:59	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-132		1		11/14/13 12:59	17060-07-0	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-RB-01 **Lab ID: 92179407003** Collected: 11/13/13 09:45 Received: 11/13/13 15:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acetophenone	ND	ug/L	10.0	0.99	1	11/14/13 12:25	11/19/13 17:10	98-86-2	
Atrazine	ND	ug/L	20.0	6.5	1	11/14/13 12:25	11/19/13 17:10	1912-24-9	
Benzaldehyde	ND	ug/L	20.0	12.0	1	11/14/13 12:25	11/19/13 17:10	100-52-7	
Biphenyl (Diphenyl)	ND	ug/L	10.0	1.0	1	11/14/13 12:25	11/19/13 17:10	92-52-4	
4-Bromophenylphenyl ether	ND	ug/L	10.0	0.82	1	11/14/13 12:25	11/19/13 17:10	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.79	1	11/14/13 12:25	11/19/13 17:10	85-68-7	
Caprolactam	ND	ug/L	10.0	2.1	1	11/14/13 12:25	11/19/13 17:10	105-60-2	
Carbazole	ND	ug/L	10.0	0.54	1	11/14/13 12:25	11/19/13 17:10	86-74-8	
4-Chloro-3-methylphenol	ND	ug/L	20.0	3.7	1	11/14/13 12:25	11/19/13 17:10	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	2.8	1	11/14/13 12:25	11/19/13 17:10	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	0.92	1	11/14/13 12:25	11/19/13 17:10	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.0	1	11/14/13 12:25	11/19/13 17:10	111-44-4	
2-Chloronaphthalene	ND	ug/L	10.0	0.98	1	11/14/13 12:25	11/19/13 17:10	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.3	1	11/14/13 12:25	11/19/13 17:10	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	0.87	1	11/14/13 12:25	11/19/13 17:10	7005-72-3	
Dibenzofuran	ND	ug/L	10.0	0.89	1	11/14/13 12:25	11/19/13 17:10	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	2.1	1	11/14/13 12:25	11/19/13 17:10	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	11/14/13 12:25	11/19/13 17:10	120-83-2	
Diethylphthalate	ND	ug/L	10.0	0.58	1	11/14/13 12:25	11/19/13 17:10	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1.2	1	11/14/13 12:25	11/19/13 17:10	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.76	1	11/14/13 12:25	11/19/13 17:10	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.75	1	11/14/13 12:25	11/19/13 17:10	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	2.6	1	11/14/13 12:25	11/19/13 17:10	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	9.0	1	11/14/13 12:25	11/19/13 17:10	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.90	1	11/14/13 12:25	11/19/13 17:10	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	0.98	1	11/14/13 12:25	11/19/13 17:10	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.66	1	11/14/13 12:25	11/19/13 17:10	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.79	1	11/14/13 12:25	11/19/13 17:10	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.94	1	11/14/13 12:25	11/19/13 17:10	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	0.72	1	11/14/13 12:25	11/19/13 17:10	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	0.88	1	11/14/13 12:25	11/19/13 17:10	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.1	1	11/14/13 12:25	11/19/13 17:10	67-72-1	
Isophorone	ND	ug/L	10.0	0.89	1	11/14/13 12:25	11/19/13 17:10	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.6	1	11/14/13 12:25	11/19/13 17:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	2.0	1	11/14/13 12:25	11/19/13 17:10		
2-Nitroaniline	ND	ug/L	50.0	2.0	1	11/14/13 12:25	11/19/13 17:10	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.0	1	11/14/13 12:25	11/19/13 17:10	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.1	1	11/14/13 12:25	11/19/13 17:10	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.1	1	11/14/13 12:25	11/19/13 17:10	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.91	1	11/14/13 12:25	11/19/13 17:10	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	4.1	1	11/14/13 12:25	11/19/13 17:10	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.99	1	11/14/13 12:25	11/19/13 17:10	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.0	1	11/14/13 12:25	11/19/13 17:10	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	10.0	0.95	1	11/14/13 12:25	11/19/13 17:10	108-60-1	
Pentachlorophenol	ND	ug/L	25.0	4.6	1	11/14/13 12:25	11/19/13 17:10	87-86-5	
Phenol	ND	ug/L	10.0	1.9	1	11/14/13 12:25	11/19/13 17:10	108-95-2	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-RB-01 **Lab ID: 92179407003** Collected: 11/13/13 09:45 Received: 11/13/13 15:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	4.0	1	11/14/13 12:25	11/19/13 17:10	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1.2	1	11/14/13 12:25	11/19/13 17:10	58-90-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	0.92	1	11/14/13 12:25	11/19/13 17:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.3	1	11/14/13 12:25	11/19/13 17:10	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	49	%	21-110		1	11/14/13 12:25	11/19/13 17:10	4165-60-0	
2-Fluorobiphenyl (S)	48	%	27-110		1	11/14/13 12:25	11/19/13 17:10	321-60-8	
Terphenyl-d14 (S)	62	%	31-107		1	11/14/13 12:25	11/19/13 17:10	1718-51-0	
Phenol-d6 (S)	15	%	10-110		1	11/14/13 12:25	11/19/13 17:10	13127-88-3	
2-Fluorophenol (S)	25	%	12-110		1	11/14/13 12:25	11/19/13 17:10	367-12-4	
2,4,6-Tribromophenol (S)	61	%	27-110		1	11/14/13 12:25	11/19/13 17:10	118-79-6	
8270 MSSV PAH by SIM 3510	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	2.0	2.0	1	11/19/13 11:10	11/19/13 14:58	83-32-9	
Acenaphthylene	ND	ug/L	1.5	1.5	1	11/19/13 11:10	11/19/13 14:58	208-96-8	
Anthracene	ND	ug/L	0.050	0.050	1	11/19/13 11:10	11/19/13 14:58	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.10	1	11/19/13 11:10	11/19/13 14:58	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.20	0.20	1	11/19/13 11:10	11/19/13 14:58	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.30	0.30	1	11/19/13 11:10	11/19/13 14:58	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.20	0.20	1	11/19/13 11:10	11/19/13 14:58	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.20	0.20	1	11/19/13 11:10	11/19/13 14:58	207-08-9	
Chrysene	ND	ug/L	0.10	0.10	1	11/19/13 11:10	11/19/13 14:58	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.20	0.20	1	11/19/13 11:10	11/19/13 14:58	53-70-3	
Fluoranthene	ND	ug/L	0.30	0.30	1	11/19/13 11:10	11/19/13 14:58	206-44-0	
Fluorene	ND	ug/L	0.31	0.31	1	11/19/13 11:10	11/19/13 14:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.20	0.20	1	11/19/13 11:10	11/19/13 14:58	193-39-5	
1-Methylnaphthalene	ND	ug/L	2.0	2.0	1	11/19/13 11:10	11/19/13 14:58	90-12-0	
2-Methylnaphthalene	ND	ug/L	2.0	2.0	1	11/19/13 11:10	11/19/13 14:58	91-57-6	
Naphthalene	ND	ug/L	1.5	1.5	1	11/19/13 11:10	11/19/13 14:58	91-20-3	
Phenanthrene	ND	ug/L	0.20	0.20	1	11/19/13 11:10	11/19/13 14:58	85-01-8	
Pyrene	ND	ug/L	0.10	0.10	1	11/19/13 11:10	11/19/13 14:58	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	61	%	30-150		1	11/19/13 11:10	11/19/13 14:58	4165-60-0	
2-Fluorobiphenyl (S)	49	%	30-150		1	11/19/13 11:10	11/19/13 14:58	321-60-8	
Terphenyl-d14 (S)	83	%	30-150		1	11/19/13 11:10	11/19/13 14:58	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		11/15/13 03:51	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		11/15/13 03:51	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		11/15/13 03:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		11/15/13 03:51	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		11/15/13 03:51	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		11/15/13 03:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		11/15/13 03:51	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		11/15/13 03:51	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		11/15/13 03:51	56-23-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-RB-01 **Lab ID: 92179407003** Collected: 11/13/13 09:45 Received: 11/13/13 15:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Chlorobenzene	ND	ug/L	1.0	0.23	1		11/15/13 03:51	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		11/15/13 03:51	75-00-3	
Chloroform	**2.1**	ug/L	1.0	0.14	1		11/15/13 03:51	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		11/15/13 03:51	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		11/15/13 03:51	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		11/15/13 03:51	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		11/15/13 03:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		11/15/13 03:51	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		11/15/13 03:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		11/15/13 03:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		11/15/13 03:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		11/15/13 03:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		11/15/13 03:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		11/15/13 03:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		11/15/13 03:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		11/15/13 03:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		11/15/13 03:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		11/15/13 03:51	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		11/15/13 03:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		11/15/13 03:51	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		11/15/13 03:51	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		11/15/13 03:51	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		11/15/13 03:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		11/15/13 03:51	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		11/15/13 03:51	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1.9	1		11/15/13 03:51	108-87-2	
Methylene Chloride	**3.1**	ug/L	2.0	0.97	1		11/15/13 03:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		11/15/13 03:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		11/15/13 03:51	1634-04-4	
Styrene	ND	ug/L	1.0	0.26	1		11/15/13 03:51	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		11/15/13 03:51	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		11/15/13 03:51	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		11/15/13 03:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		11/15/13 03:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		11/15/13 03:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		11/15/13 03:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		11/15/13 03:51	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		11/15/13 03:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		11/15/13 03:51	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		11/15/13 03:51	76-13-1	
Vinyl chloride	ND	ug/L	1.0	0.62	1		11/15/13 03:51	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		11/15/13 03:51	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		11/15/13 03:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		11/15/13 03:51	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		11/15/13 03:51	17060-07-0	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-RB-01 **Lab ID: 92179407003** Collected: 11/13/13 09:45 Received: 11/13/13 15:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/15/13 03:51	2037-26-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-RB-02 **Lab ID: 92179407004** Collected: 11/13/13 09:55 Received: 11/13/13 15:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acetophenone	ND	ug/L	10.0	0.99	1	11/14/13 12:25	11/19/13 17:41	98-86-2	
Atrazine	ND	ug/L	20.0	6.5	1	11/14/13 12:25	11/19/13 17:41	1912-24-9	
Benzaldehyde	ND	ug/L	20.0	12.0	1	11/14/13 12:25	11/19/13 17:41	100-52-7	
Biphenyl (Diphenyl)	ND	ug/L	10.0	1.0	1	11/14/13 12:25	11/19/13 17:41	92-52-4	
4-Bromophenylphenyl ether	ND	ug/L	10.0	0.82	1	11/14/13 12:25	11/19/13 17:41	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	0.79	1	11/14/13 12:25	11/19/13 17:41	85-68-7	
Caprolactam	ND	ug/L	10.0	2.1	1	11/14/13 12:25	11/19/13 17:41	105-60-2	
Carbazole	ND	ug/L	10.0	0.54	1	11/14/13 12:25	11/19/13 17:41	86-74-8	
4-Chloro-3-methylphenol	ND	ug/L	20.0	3.7	1	11/14/13 12:25	11/19/13 17:41	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	2.8	1	11/14/13 12:25	11/19/13 17:41	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	0.92	1	11/14/13 12:25	11/19/13 17:41	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1.0	1	11/14/13 12:25	11/19/13 17:41	111-44-4	
2-Chloronaphthalene	ND	ug/L	10.0	0.98	1	11/14/13 12:25	11/19/13 17:41	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1.3	1	11/14/13 12:25	11/19/13 17:41	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	0.87	1	11/14/13 12:25	11/19/13 17:41	7005-72-3	
Dibenzofuran	ND	ug/L	10.0	0.89	1	11/14/13 12:25	11/19/13 17:41	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	2.1	1	11/14/13 12:25	11/19/13 17:41	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1.7	1	11/14/13 12:25	11/19/13 17:41	120-83-2	
Diethylphthalate	ND	ug/L	10.0	0.58	1	11/14/13 12:25	11/19/13 17:41	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1.2	1	11/14/13 12:25	11/19/13 17:41	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	0.76	1	11/14/13 12:25	11/19/13 17:41	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	0.75	1	11/14/13 12:25	11/19/13 17:41	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	2.6	1	11/14/13 12:25	11/19/13 17:41	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	9.0	1	11/14/13 12:25	11/19/13 17:41	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	0.90	1	11/14/13 12:25	11/19/13 17:41	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	0.98	1	11/14/13 12:25	11/19/13 17:41	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	0.66	1	11/14/13 12:25	11/19/13 17:41	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	0.79	1	11/14/13 12:25	11/19/13 17:41	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	0.94	1	11/14/13 12:25	11/19/13 17:41	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	0.72	1	11/14/13 12:25	11/19/13 17:41	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	0.88	1	11/14/13 12:25	11/19/13 17:41	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1.1	1	11/14/13 12:25	11/19/13 17:41	67-72-1	
Isophorone	ND	ug/L	10.0	0.89	1	11/14/13 12:25	11/19/13 17:41	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1.6	1	11/14/13 12:25	11/19/13 17:41	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	2.0	1	11/14/13 12:25	11/19/13 17:41		
2-Nitroaniline	ND	ug/L	50.0	2.0	1	11/14/13 12:25	11/19/13 17:41	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	2.0	1	11/14/13 12:25	11/19/13 17:41	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	2.1	1	11/14/13 12:25	11/19/13 17:41	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1.1	1	11/14/13 12:25	11/19/13 17:41	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	0.91	1	11/14/13 12:25	11/19/13 17:41	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	4.1	1	11/14/13 12:25	11/19/13 17:41	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	0.99	1	11/14/13 12:25	11/19/13 17:41	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1.0	1	11/14/13 12:25	11/19/13 17:41	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	10.0	0.95	1	11/14/13 12:25	11/19/13 17:41	108-60-1	
Pentachlorophenol	ND	ug/L	25.0	4.6	1	11/14/13 12:25	11/19/13 17:41	87-86-5	
Phenol	ND	ug/L	10.0	1.9	1	11/14/13 12:25	11/19/13 17:41	108-95-2	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-RB-02 **Lab ID: 92179407004** Collected: 11/13/13 09:55 Received: 11/13/13 15:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10.0	4.0	1	11/14/13 12:25	11/19/13 17:41	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10.0	1.2	1	11/14/13 12:25	11/19/13 17:41	58-90-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	0.92	1	11/14/13 12:25	11/19/13 17:41	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1.3	1	11/14/13 12:25	11/19/13 17:41	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	44	%	21-110		1	11/14/13 12:25	11/19/13 17:41	4165-60-0	
2-Fluorobiphenyl (S)	45	%	27-110		1	11/14/13 12:25	11/19/13 17:41	321-60-8	
Terphenyl-d14 (S)	76	%	31-107		1	11/14/13 12:25	11/19/13 17:41	1718-51-0	
Phenol-d6 (S)	15	%	10-110		1	11/14/13 12:25	11/19/13 17:41	13127-88-3	
2-Fluorophenol (S)	23	%	12-110		1	11/14/13 12:25	11/19/13 17:41	367-12-4	
2,4,6-Tribromophenol (S)	62	%	27-110		1	11/14/13 12:25	11/19/13 17:41	118-79-6	
8270 MSSV PAH by SIM 3510	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	2.0	2.0	1	11/19/13 11:10	11/19/13 15:18	83-32-9	
Acenaphthylene	ND	ug/L	1.5	1.5	1	11/19/13 11:10	11/19/13 15:18	208-96-8	
Anthracene	ND	ug/L	0.050	0.050	1	11/19/13 11:10	11/19/13 15:18	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	0.10	1	11/19/13 11:10	11/19/13 15:18	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.20	0.20	1	11/19/13 11:10	11/19/13 15:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.30	0.30	1	11/19/13 11:10	11/19/13 15:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.20	0.20	1	11/19/13 11:10	11/19/13 15:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.20	0.20	1	11/19/13 11:10	11/19/13 15:18	207-08-9	
Chrysene	ND	ug/L	0.10	0.10	1	11/19/13 11:10	11/19/13 15:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.20	0.20	1	11/19/13 11:10	11/19/13 15:18	53-70-3	
Fluoranthene	ND	ug/L	0.30	0.30	1	11/19/13 11:10	11/19/13 15:18	206-44-0	
Fluorene	ND	ug/L	0.31	0.31	1	11/19/13 11:10	11/19/13 15:18	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.20	0.20	1	11/19/13 11:10	11/19/13 15:18	193-39-5	
1-Methylnaphthalene	ND	ug/L	2.0	2.0	1	11/19/13 11:10	11/19/13 15:18	90-12-0	
2-Methylnaphthalene	ND	ug/L	2.0	2.0	1	11/19/13 11:10	11/19/13 15:18	91-57-6	
Naphthalene	ND	ug/L	1.5	1.5	1	11/19/13 11:10	11/19/13 15:18	91-20-3	
Phenanthrene	ND	ug/L	0.20	0.20	1	11/19/13 11:10	11/19/13 15:18	85-01-8	
Pyrene	ND	ug/L	0.10	0.10	1	11/19/13 11:10	11/19/13 15:18	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	58	%	30-150		1	11/19/13 11:10	11/19/13 15:18	4165-60-0	
2-Fluorobiphenyl (S)	45	%	30-150		1	11/19/13 11:10	11/19/13 15:18	321-60-8	
Terphenyl-d14 (S)	89	%	30-150		1	11/19/13 11:10	11/19/13 15:18	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		11/18/13 22:57	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		11/18/13 22:57	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		11/18/13 22:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		11/18/13 22:57	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		11/18/13 22:57	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		11/18/13 22:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		11/18/13 22:57	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		11/18/13 22:57	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		11/18/13 22:57	56-23-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-RB-02 **Lab ID: 92179407004** Collected: 11/13/13 09:55 Received: 11/13/13 15:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Chlorobenzene	ND	ug/L	1.0	0.23	1		11/18/13 22:57	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		11/18/13 22:57	75-00-3	
Chloroform	**2.0**	ug/L	1.0	0.14	1		11/18/13 22:57	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		11/18/13 22:57	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.36	1		11/18/13 22:57	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		11/18/13 22:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		11/18/13 22:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		11/18/13 22:57	106-93-4	
1,2-Dichlorobenzene	**0.61J**	ug/L	1.0	0.30	1		11/18/13 22:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		11/18/13 22:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		11/18/13 22:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		11/18/13 22:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		11/18/13 22:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		11/18/13 22:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		11/18/13 22:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		11/18/13 22:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		11/18/13 22:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		11/18/13 22:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		11/18/13 22:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		11/18/13 22:57	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/L	150	78.4	1		11/18/13 22:57	123-91-1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		11/18/13 22:57	100-41-4	
2-Hexanone	ND	ug/L	5.0	0.46	1		11/18/13 22:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.40	1		11/18/13 22:57	98-82-8	
Methyl acetate	ND	ug/L	10.0	0.82	1		11/18/13 22:57	79-20-9	
Methylcyclohexane	ND	ug/L	10.0	1.9	1		11/18/13 22:57	108-87-2	
Methylene Chloride	**4.4**	ug/L	2.0	0.97	1		11/18/13 22:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		11/18/13 22:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		11/18/13 22:57	1634-04-4	
Styrene	ND	ug/L	1.0	0.26	1		11/18/13 22:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		11/18/13 22:57	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		11/18/13 22:57	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		11/18/13 22:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		11/18/13 22:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		11/18/13 22:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		11/18/13 22:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		11/18/13 22:57	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		11/18/13 22:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		11/18/13 22:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.19	1		11/18/13 22:57	76-13-1	
Vinyl chloride	ND	ug/L	1.0	0.62	1		11/18/13 22:57	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		11/18/13 22:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		11/18/13 22:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		11/18/13 22:57	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		11/18/13 22:57	17060-07-0	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-RB-02 **Lab ID: 92179407004** Collected: 11/13/13 09:55 Received: 11/13/13 15:00 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		11/18/13 22:57	2037-26-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-21-1-2 **Lab ID: 92179407005** Collected: 11/12/13 13:45 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	382	197	1	11/14/13 13:30	11/18/13 14:26	98-86-2	
Atrazine	ND	ug/kg	764	150	1	11/14/13 13:30	11/18/13 14:26	1912-24-9	
Benzaldehyde	ND	ug/kg	764	382	1	11/14/13 13:30	11/18/13 14:26	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	382	120	1	11/14/13 13:30	11/18/13 14:26	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	382	69.4	1	11/14/13 13:30	11/18/13 14:26	101-55-3	
Butylbenzylphthalate	ND	ug/kg	382	81.0	1	11/14/13 13:30	11/18/13 14:26	85-68-7	
Caprolactam	ND	ug/kg	382	66.0	1	11/14/13 13:30	11/18/13 14:26	105-60-2	
Carbazole	ND	ug/kg	382	72.9	1	11/14/13 13:30	11/18/13 14:26	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	764	78.7	1	11/14/13 13:30	11/18/13 14:26	59-50-7	
4-Chloroaniline	ND	ug/kg	1910	106	1	11/14/13 13:30	11/18/13 14:26	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	382	89.1	1	11/14/13 13:30	11/18/13 14:26	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	382	97.2	1	11/14/13 13:30	11/18/13 14:26	111-44-4	
2-Chloronaphthalene	ND	ug/kg	382	75.2	1	11/14/13 13:30	11/18/13 14:26	91-58-7	
2-Chlorophenol	ND	ug/kg	382	104	1	11/14/13 13:30	11/18/13 14:26	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	382	78.7	1	11/14/13 13:30	11/18/13 14:26	7005-72-3	
Dibenzofuran	ND	ug/kg	382	62.5	1	11/14/13 13:30	11/18/13 14:26	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1910	83.3	1	11/14/13 13:30	11/18/13 14:26	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	382	83.3	1	11/14/13 13:30	11/18/13 14:26	120-83-2	
Diethylphthalate	ND	ug/kg	382	59.0	1	11/14/13 13:30	11/18/13 14:26	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	382	150	1	11/14/13 13:30	11/18/13 14:26	105-67-9	
Dimethylphthalate	ND	ug/kg	382	77.5	1	11/14/13 13:30	11/18/13 14:26	131-11-3	
Di-n-butylphthalate	ND	ug/kg	382	62.5	1	11/14/13 13:30	11/18/13 14:26	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	764	76.4	1	11/14/13 13:30	11/18/13 14:26	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1910	62.5	1	11/14/13 13:30	11/18/13 14:26	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	382	71.7	1	11/14/13 13:30	11/18/13 14:26	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	382	79.8	1	11/14/13 13:30	11/18/13 14:26	606-20-2	
Di-n-octylphthalate	ND	ug/kg	382	79.8	1	11/14/13 13:30	11/18/13 14:26	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	382	104	1	11/14/13 13:30	11/18/13 14:26	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	382	66.0	1	11/14/13 13:30	11/18/13 14:26	87-68-3	
Hexachlorobenzene	ND	ug/kg	382	48.6	1	11/14/13 13:30	11/18/13 14:26	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	382	70.6	1	11/14/13 13:30	11/18/13 14:26	77-47-4	
Hexachloroethane	ND	ug/kg	382	101	1	11/14/13 13:30	11/18/13 14:26	67-72-1	
Isophorone	ND	ug/kg	382	85.6	1	11/14/13 13:30	11/18/13 14:26	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	382	116	1	11/14/13 13:30	11/18/13 14:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	382	150	1	11/14/13 13:30	11/18/13 14:26		
2-Nitroaniline	ND	ug/kg	1910	118	1	11/14/13 13:30	11/18/13 14:26	88-74-4	
3-Nitroaniline	ND	ug/kg	1910	104	1	11/14/13 13:30	11/18/13 14:26	99-09-2	
4-Nitroaniline	ND	ug/kg	764	108	1	11/14/13 13:30	11/18/13 14:26	100-01-6	
Nitrobenzene	ND	ug/kg	382	104	1	11/14/13 13:30	11/18/13 14:26	98-95-3	
2-Nitrophenol	ND	ug/kg	382	92.6	1	11/14/13 13:30	11/18/13 14:26	88-75-5	
4-Nitrophenol	ND	ug/kg	1910	68.3	1	11/14/13 13:30	11/18/13 14:26	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	382	72.9	1	11/14/13 13:30	11/18/13 14:26	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	382	113	1	11/14/13 13:30	11/18/13 14:26	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	382	102	1	11/14/13 13:30	11/18/13 14:26	108-60-1	
Pentachlorophenol	ND	ug/kg	1910	69.4	1	11/14/13 13:30	11/18/13 14:26	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-21-1-2 **Lab ID: 92179407005** Collected: 11/12/13 13:45 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	382	115	1	11/14/13 13:30	11/18/13 14:26	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	382	139	1	11/14/13 13:30	11/18/13 14:26	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	382	150	1	11/14/13 13:30	11/18/13 14:26	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	382	118	1	11/14/13 13:30	11/18/13 14:26	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	382	84.5	1	11/14/13 13:30	11/18/13 14:26	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	34	%	30-110		1	11/14/13 13:30	11/18/13 14:26	321-60-8	
Terphenyl-d14 (S)	62	%	28-110		1	11/14/13 13:30	11/18/13 14:26	1718-51-0	
Phenol-d6 (S)	30	%	22-110		1	11/14/13 13:30	11/18/13 14:26	13127-88-3	
2-Fluorophenol (S)	33	%	13-110		1	11/14/13 13:30	11/18/13 14:26	367-12-4	
2,4,6-Tribromophenol (S)	36	%	27-110		1	11/14/13 13:30	11/18/13 14:26	118-79-6	
Nitrobenzene-d5 (S)	34	%	23-110		1	11/14/13 13:30	11/18/13 14:26	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.6	1.7	1	11/14/13 10:34	11/18/13 15:50	83-32-9	
Acenaphthylene	ND	ug/kg	11.6	1.5	1	11/14/13 10:34	11/18/13 15:50	208-96-8	
Anthracene	ND	ug/kg	11.6	1.6	1	11/14/13 10:34	11/18/13 15:50	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.6	0.82	1	11/14/13 10:34	11/18/13 15:50	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.6	1.3	1	11/14/13 10:34	11/18/13 15:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.6	0.78	1	11/14/13 10:34	11/18/13 15:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.6	3.0	1	11/14/13 10:34	11/18/13 15:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.6	1.7	1	11/14/13 10:34	11/18/13 15:50	207-08-9	
Chrysene	ND	ug/kg	11.6	2.1	1	11/14/13 10:34	11/18/13 15:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.6	2.1	1	11/14/13 10:34	11/18/13 15:50	53-70-3	
Fluoranthene	ND	ug/kg	11.6	0.96	1	11/14/13 10:34	11/18/13 15:50	206-44-0	
Fluorene	ND	ug/kg	11.6	1.9	1	11/14/13 10:34	11/18/13 15:50	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.6	3.2	1	11/14/13 10:34	11/18/13 15:50	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.6	1.4	1	11/14/13 10:34	11/18/13 15:50	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.6	1.3	1	11/14/13 10:34	11/18/13 15:50	91-57-6	
Naphthalene	ND	ug/kg	11.6	2.7	1	11/14/13 10:34	11/18/13 15:50	91-20-3	
Phenanthrene	ND	ug/kg	11.6	1.7	1	11/14/13 10:34	11/18/13 15:50	85-01-8	
Pyrene	ND	ug/kg	11.6	2.1	1	11/14/13 10:34	11/18/13 15:50	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	42	%	10-128		1	11/14/13 10:34	11/18/13 15:50	4165-60-0	
2-Fluorobiphenyl (S)	41	%	10-110		1	11/14/13 10:34	11/18/13 15:50	321-60-8	
Terphenyl-d14 (S)	77	%	39-119		1	11/14/13 10:34	11/18/13 15:50	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**59.6J**	ug/kg	106	10.6	1		11/14/13 17:14	67-64-1	
Benzene	ND	ug/kg	5.3	1.7	1		11/14/13 17:14	71-43-2	
Bromochloromethane	ND	ug/kg	5.3	1.8	1		11/14/13 17:14	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	2.0	1		11/14/13 17:14	75-27-4	
Bromoform	ND	ug/kg	5.3	2.4	1		11/14/13 17:14	75-25-2	
Bromomethane	ND	ug/kg	10.6	2.7	1		11/14/13 17:14	74-83-9	
2-Butanone (MEK)	ND	ug/kg	106	3.1	1		11/14/13 17:14	78-93-3	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-21-1-2 **Lab ID: 92179407005** Collected: 11/12/13 13:45 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.6	3.2	1		11/14/13 17:14	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	2.8	1		11/14/13 17:14	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	2.0	1		11/14/13 17:14	108-90-7	
Chloroethane	ND	ug/kg	10.6	2.5	1		11/14/13 17:14	75-00-3	
Chloroform	ND	ug/kg	5.3	1.7	1		11/14/13 17:14	67-66-3	
Chloromethane	ND	ug/kg	10.6	2.5	1		11/14/13 17:14	74-87-3	
Cyclohexane	ND	ug/kg	5.3	1.7	1		11/14/13 17:14	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	3.8	1		11/14/13 17:14	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1.9	1		11/14/13 17:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1.9	1		11/14/13 17:14	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.3	2.0	1		11/14/13 17:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	2.1	1		11/14/13 17:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1.8	1		11/14/13 17:14	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.6	3.8	1		11/14/13 17:14	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1.6	1		11/14/13 17:14	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	2.3	1		11/14/13 17:14	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1.9	1		11/14/13 17:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1.5	1		11/14/13 17:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	2.0	1		11/14/13 17:14	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1.8	1		11/14/13 17:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1.9	1		11/14/13 17:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1.6	1		11/14/13 17:14	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	159	127	1		11/14/13 17:14	123-91-1	
Ethylbenzene	ND	ug/kg	5.3	1.9	1		11/14/13 17:14	100-41-4	
2-Hexanone	ND	ug/kg	53.1	4.1	1		11/14/13 17:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	2.0	1		11/14/13 17:14	98-82-8	
Methyl acetate	ND	ug/kg	10.6	1.5	1		11/14/13 17:14	79-20-9	
Methylcyclohexane	ND	ug/kg	10.6	1.6	1		11/14/13 17:14	108-87-2	
Methylene Chloride	ND	ug/kg	21.2	3.2	1		11/14/13 17:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	53.1	3.9	1		11/14/13 17:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1.6	1		11/14/13 17:14	1634-04-4	
Styrene	ND	ug/kg	5.3	1.9	1		11/14/13 17:14	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	2.0	1		11/14/13 17:14	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1.8	1		11/14/13 17:14	127-18-4	
Toluene	ND	ug/kg	5.3	1.9	1		11/14/13 17:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	2.3	1		11/14/13 17:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1.7	1		11/14/13 17:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1.9	1		11/14/13 17:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	2.2	1		11/14/13 17:14	79-00-5	
Trichloroethene	ND	ug/kg	5.3	2.2	1		11/14/13 17:14	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	2.3	1		11/14/13 17:14	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.3	2.0	1		11/14/13 17:14	76-13-1	
Vinyl chloride	ND	ug/kg	10.6	1.9	1		11/14/13 17:14	75-01-4	
m&p-Xylene	ND	ug/kg	10.6	3.8	1		11/14/13 17:14	179601-23-1	
o-Xylene	ND	ug/kg	5.3	2.0	1		11/14/13 17:14	95-47-6	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-21-1-2 **Lab ID: 92179407005** Collected: 11/12/13 13:45 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		11/14/13 17:14	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		11/14/13 17:14	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-132		1		11/14/13 17:14	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.6**	%	0.10	0.10	1		11/20/13 14:19		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-21-9-10 **Lab ID: 92179407006** Collected: 11/12/13 13:50 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	371	191	1	11/14/13 13:30	11/18/13 14:57	98-86-2	
Atrazine	ND	ug/kg	742	146	1	11/14/13 13:30	11/18/13 14:57	1912-24-9	
Benzaldehyde	ND	ug/kg	742	371	1	11/14/13 13:30	11/18/13 14:57	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	371	117	1	11/14/13 13:30	11/18/13 14:57	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	371	67.5	1	11/14/13 13:30	11/18/13 14:57	101-55-3	
Butylbenzylphthalate	ND	ug/kg	371	78.7	1	11/14/13 13:30	11/18/13 14:57	85-68-7	
Caprolactam	ND	ug/kg	371	64.1	1	11/14/13 13:30	11/18/13 14:57	105-60-2	
Carbazole	ND	ug/kg	371	70.8	1	11/14/13 13:30	11/18/13 14:57	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	742	76.5	1	11/14/13 13:30	11/18/13 14:57	59-50-7	
4-Chloroaniline	ND	ug/kg	1860	103	1	11/14/13 13:30	11/18/13 14:57	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	371	86.6	1	11/14/13 13:30	11/18/13 14:57	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	371	94.4	1	11/14/13 13:30	11/18/13 14:57	111-44-4	
2-Chloronaphthalene	ND	ug/kg	371	73.1	1	11/14/13 13:30	11/18/13 14:57	91-58-7	
2-Chlorophenol	ND	ug/kg	371	101	1	11/14/13 13:30	11/18/13 14:57	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	371	76.5	1	11/14/13 13:30	11/18/13 14:57	7005-72-3	
Dibenzofuran	ND	ug/kg	371	60.7	1	11/14/13 13:30	11/18/13 14:57	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1860	80.9	1	11/14/13 13:30	11/18/13 14:57	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	371	80.9	1	11/14/13 13:30	11/18/13 14:57	120-83-2	
Diethylphthalate	ND	ug/kg	371	57.3	1	11/14/13 13:30	11/18/13 14:57	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	371	146	1	11/14/13 13:30	11/18/13 14:57	105-67-9	
Dimethylphthalate	ND	ug/kg	371	75.3	1	11/14/13 13:30	11/18/13 14:57	131-11-3	
Di-n-butylphthalate	ND	ug/kg	371	60.7	1	11/14/13 13:30	11/18/13 14:57	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	742	74.2	1	11/14/13 13:30	11/18/13 14:57	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1860	60.7	1	11/14/13 13:30	11/18/13 14:57	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	371	69.7	1	11/14/13 13:30	11/18/13 14:57	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	371	77.6	1	11/14/13 13:30	11/18/13 14:57	606-20-2	
Di-n-octylphthalate	ND	ug/kg	371	77.6	1	11/14/13 13:30	11/18/13 14:57	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	371	101	1	11/14/13 13:30	11/18/13 14:57	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	371	64.1	1	11/14/13 13:30	11/18/13 14:57	87-68-3	
Hexachlorobenzene	ND	ug/kg	371	47.2	1	11/14/13 13:30	11/18/13 14:57	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	371	68.6	1	11/14/13 13:30	11/18/13 14:57	77-47-4	
Hexachloroethane	ND	ug/kg	371	97.8	1	11/14/13 13:30	11/18/13 14:57	67-72-1	
Isophorone	ND	ug/kg	371	83.2	1	11/14/13 13:30	11/18/13 14:57	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	371	112	1	11/14/13 13:30	11/18/13 14:57	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	371	146	1	11/14/13 13:30	11/18/13 14:57		
2-Nitroaniline	ND	ug/kg	1860	115	1	11/14/13 13:30	11/18/13 14:57	88-74-4	
3-Nitroaniline	ND	ug/kg	1860	101	1	11/14/13 13:30	11/18/13 14:57	99-09-2	
4-Nitroaniline	ND	ug/kg	742	105	1	11/14/13 13:30	11/18/13 14:57	100-01-6	
Nitrobenzene	ND	ug/kg	371	101	1	11/14/13 13:30	11/18/13 14:57	98-95-3	
2-Nitrophenol	ND	ug/kg	371	89.9	1	11/14/13 13:30	11/18/13 14:57	88-75-5	
4-Nitrophenol	ND	ug/kg	1860	66.3	1	11/14/13 13:30	11/18/13 14:57	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	371	70.8	1	11/14/13 13:30	11/18/13 14:57	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	371	110	1	11/14/13 13:30	11/18/13 14:57	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	371	98.9	1	11/14/13 13:30	11/18/13 14:57	108-60-1	
Pentachlorophenol	ND	ug/kg	1860	67.5	1	11/14/13 13:30	11/18/13 14:57	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-21-9-10 **Lab ID: 92179407006** Collected: 11/12/13 13:50 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	371	111	1	11/14/13 13:30	11/18/13 14:57	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	371	135	1	11/14/13 13:30	11/18/13 14:57	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	371	146	1	11/14/13 13:30	11/18/13 14:57	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	371	115	1	11/14/13 13:30	11/18/13 14:57	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	371	82.1	1	11/14/13 13:30	11/18/13 14:57	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	39	%	30-110		1	11/14/13 13:30	11/18/13 14:57	321-60-8	
Terphenyl-d14 (S)	74	%	28-110		1	11/14/13 13:30	11/18/13 14:57	1718-51-0	
Phenol-d6 (S)	33	%	22-110		1	11/14/13 13:30	11/18/13 14:57	13127-88-3	
2-Fluorophenol (S)	36	%	13-110		1	11/14/13 13:30	11/18/13 14:57	367-12-4	
2,4,6-Tribromophenol (S)	54	%	27-110		1	11/14/13 13:30	11/18/13 14:57	118-79-6	
Nitrobenzene-d5 (S)	35	%	23-110		1	11/14/13 13:30	11/18/13 14:57	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.2	1.7	1	11/14/13 10:34	11/18/13 16:10	83-32-9	
Acenaphthylene	ND	ug/kg	11.2	1.5	1	11/14/13 10:34	11/18/13 16:10	208-96-8	
Anthracene	ND	ug/kg	11.2	1.6	1	11/14/13 10:34	11/18/13 16:10	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.2	0.80	1	11/14/13 10:34	11/18/13 16:10	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.2	1.2	1	11/14/13 10:34	11/18/13 16:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.2	0.75	1	11/14/13 10:34	11/18/13 16:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.2	2.9	1	11/14/13 10:34	11/18/13 16:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.2	1.7	1	11/14/13 10:34	11/18/13 16:10	207-08-9	
Chrysene	ND	ug/kg	11.2	2.0	1	11/14/13 10:34	11/18/13 16:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.2	2.0	1	11/14/13 10:34	11/18/13 16:10	53-70-3	
Fluoranthene	ND	ug/kg	11.2	0.93	1	11/14/13 10:34	11/18/13 16:10	206-44-0	
Fluorene	ND	ug/kg	11.2	1.8	1	11/14/13 10:34	11/18/13 16:10	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.2	3.1	1	11/14/13 10:34	11/18/13 16:10	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.2	1.3	1	11/14/13 10:34	11/18/13 16:10	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.2	1.2	1	11/14/13 10:34	11/18/13 16:10	91-57-6	
Naphthalene	ND	ug/kg	11.2	2.6	1	11/14/13 10:34	11/18/13 16:10	91-20-3	
Phenanthrene	ND	ug/kg	11.2	1.7	1	11/14/13 10:34	11/18/13 16:10	85-01-8	
Pyrene	ND	ug/kg	11.2	2.0	1	11/14/13 10:34	11/18/13 16:10	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	52	%	10-128		1	11/14/13 10:34	11/18/13 16:10	4165-60-0	
2-Fluorobiphenyl (S)	55	%	10-110		1	11/14/13 10:34	11/18/13 16:10	321-60-8	
Terphenyl-d14 (S)	72	%	39-119		1	11/14/13 10:34	11/18/13 16:10	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**89.8J**	ug/kg	92.0	9.2	1		11/14/13 17:34	67-64-1	
Benzene	ND	ug/kg	4.6	1.5	1		11/14/13 17:34	71-43-2	
Bromochloromethane	ND	ug/kg	4.6	1.6	1		11/14/13 17:34	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1.7	1		11/14/13 17:34	75-27-4	
Bromoform	ND	ug/kg	4.6	2.1	1		11/14/13 17:34	75-25-2	
Bromomethane	ND	ug/kg	9.2	2.3	1		11/14/13 17:34	74-83-9	
2-Butanone (MEK)	ND	ug/kg	92.0	2.7	1		11/14/13 17:34	78-93-3	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-21-9-10 **Lab ID: 92179407006** Collected: 11/12/13 13:50 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	9.2	2.8	1		11/14/13 17:34	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	2.4	1		11/14/13 17:34	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1.7	1		11/14/13 17:34	108-90-7	
Chloroethane	ND	ug/kg	9.2	2.2	1		11/14/13 17:34	75-00-3	
Chloroform	ND	ug/kg	4.6	1.5	1		11/14/13 17:34	67-66-3	
Chloromethane	ND	ug/kg	9.2	2.2	1		11/14/13 17:34	74-87-3	
Cyclohexane	ND	ug/kg	4.6	1.5	1		11/14/13 17:34	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	3.3	1		11/14/13 17:34	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1.7	1		11/14/13 17:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1.7	1		11/14/13 17:34	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1.7	1		11/14/13 17:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1.8	1		11/14/13 17:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1.6	1		11/14/13 17:34	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.2	3.3	1		11/14/13 17:34	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1.4	1		11/14/13 17:34	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	2.0	1		11/14/13 17:34	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1.7	1		11/14/13 17:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1.3	1		11/14/13 17:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1.7	1		11/14/13 17:34	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1.6	1		11/14/13 17:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1.7	1		11/14/13 17:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1.4	1		11/14/13 17:34	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	138	110	1		11/14/13 17:34	123-91-1	
Ethylbenzene	ND	ug/kg	4.6	1.7	1		11/14/13 17:34	100-41-4	
2-Hexanone	ND	ug/kg	46.0	3.6	1		11/14/13 17:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1.7	1		11/14/13 17:34	98-82-8	
Methyl acetate	ND	ug/kg	9.2	1.3	1		11/14/13 17:34	79-20-9	
Methylcyclohexane	ND	ug/kg	9.2	1.4	1		11/14/13 17:34	108-87-2	
Methylene Chloride	ND	ug/kg	18.4	2.8	1		11/14/13 17:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.0	3.4	1		11/14/13 17:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1.4	1		11/14/13 17:34	1634-04-4	
Styrene	ND	ug/kg	4.6	1.7	1		11/14/13 17:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1.7	1		11/14/13 17:34	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1.6	1		11/14/13 17:34	127-18-4	
Toluene	ND	ug/kg	4.6	1.7	1		11/14/13 17:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	2.0	1		11/14/13 17:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1.5	1		11/14/13 17:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1.7	1		11/14/13 17:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1.9	1		11/14/13 17:34	79-00-5	
Trichloroethene	**10.7**	ug/kg	4.6	1.9	1		11/14/13 17:34	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	2.0	1		11/14/13 17:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.6	1.7	1		11/14/13 17:34	76-13-1	
Vinyl chloride	ND	ug/kg	9.2	1.7	1		11/14/13 17:34	75-01-4	
m&p-Xylene	ND	ug/kg	9.2	3.3	1		11/14/13 17:34	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1.7	1		11/14/13 17:34	95-47-6	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-21-9-10 **Lab ID: 92179407006** Collected: 11/12/13 13:50 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		11/14/13 17:34	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		11/14/13 17:34	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-132		1		11/14/13 17:34	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.1**	%	0.10	0.10	1		11/20/13 14:19		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-21-14-15 **Lab ID: 92179407007** Collected: 11/12/13 14:00 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	372	192	1	11/14/13 13:30	11/18/13 15:29	98-86-2	
Atrazine	ND	ug/kg	744	147	1	11/14/13 13:30	11/18/13 15:29	1912-24-9	
Benzaldehyde	ND	ug/kg	744	372	1	11/14/13 13:30	11/18/13 15:29	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	372	117	1	11/14/13 13:30	11/18/13 15:29	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	372	67.7	1	11/14/13 13:30	11/18/13 15:29	101-55-3	
Butylbenzylphthalate	ND	ug/kg	372	78.9	1	11/14/13 13:30	11/18/13 15:29	85-68-7	
Caprolactam	ND	ug/kg	372	64.3	1	11/14/13 13:30	11/18/13 15:29	105-60-2	
Carbazole	ND	ug/kg	372	71.0	1	11/14/13 13:30	11/18/13 15:29	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	744	76.7	1	11/14/13 13:30	11/18/13 15:29	59-50-7	
4-Chloroaniline	ND	ug/kg	1860	104	1	11/14/13 13:30	11/18/13 15:29	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	372	86.8	1	11/14/13 13:30	11/18/13 15:29	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	372	94.7	1	11/14/13 13:30	11/18/13 15:29	111-44-4	
2-Chloronaphthalene	ND	ug/kg	372	73.3	1	11/14/13 13:30	11/18/13 15:29	91-58-7	
2-Chlorophenol	ND	ug/kg	372	101	1	11/14/13 13:30	11/18/13 15:29	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	372	76.7	1	11/14/13 13:30	11/18/13 15:29	7005-72-3	
Dibenzofuran	ND	ug/kg	372	60.9	1	11/14/13 13:30	11/18/13 15:29	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1860	81.2	1	11/14/13 13:30	11/18/13 15:29	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	372	81.2	1	11/14/13 13:30	11/18/13 15:29	120-83-2	
Diethylphthalate	ND	ug/kg	372	57.5	1	11/14/13 13:30	11/18/13 15:29	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	372	147	1	11/14/13 13:30	11/18/13 15:29	105-67-9	
Dimethylphthalate	ND	ug/kg	372	75.6	1	11/14/13 13:30	11/18/13 15:29	131-11-3	
Di-n-butylphthalate	ND	ug/kg	372	60.9	1	11/14/13 13:30	11/18/13 15:29	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	744	74.4	1	11/14/13 13:30	11/18/13 15:29	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1860	60.9	1	11/14/13 13:30	11/18/13 15:29	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	372	69.9	1	11/14/13 13:30	11/18/13 15:29	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	372	77.8	1	11/14/13 13:30	11/18/13 15:29	606-20-2	
Di-n-octylphthalate	ND	ug/kg	372	77.8	1	11/14/13 13:30	11/18/13 15:29	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	372	101	1	11/14/13 13:30	11/18/13 15:29	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	372	64.3	1	11/14/13 13:30	11/18/13 15:29	87-68-3	
Hexachlorobenzene	ND	ug/kg	372	47.4	1	11/14/13 13:30	11/18/13 15:29	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	372	68.8	1	11/14/13 13:30	11/18/13 15:29	77-47-4	
Hexachloroethane	ND	ug/kg	372	98.1	1	11/14/13 13:30	11/18/13 15:29	67-72-1	
Isophorone	ND	ug/kg	372	83.4	1	11/14/13 13:30	11/18/13 15:29	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	372	113	1	11/14/13 13:30	11/18/13 15:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	372	147	1	11/14/13 13:30	11/18/13 15:29		
2-Nitroaniline	ND	ug/kg	1860	115	1	11/14/13 13:30	11/18/13 15:29	88-74-4	
3-Nitroaniline	ND	ug/kg	1860	101	1	11/14/13 13:30	11/18/13 15:29	99-09-2	
4-Nitroaniline	ND	ug/kg	744	105	1	11/14/13 13:30	11/18/13 15:29	100-01-6	
Nitrobenzene	ND	ug/kg	372	101	1	11/14/13 13:30	11/18/13 15:29	98-95-3	
2-Nitrophenol	ND	ug/kg	372	90.2	1	11/14/13 13:30	11/18/13 15:29	88-75-5	
4-Nitrophenol	ND	ug/kg	1860	66.5	1	11/14/13 13:30	11/18/13 15:29	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	372	71.0	1	11/14/13 13:30	11/18/13 15:29	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	372	111	1	11/14/13 13:30	11/18/13 15:29	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	372	99.2	1	11/14/13 13:30	11/18/13 15:29	108-60-1	
Pentachlorophenol	ND	ug/kg	1860	67.7	1	11/14/13 13:30	11/18/13 15:29	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-21-14-15 **Lab ID: 92179407007** Collected: 11/12/13 14:00 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	372	112	1	11/14/13 13:30	11/18/13 15:29	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	372	135	1	11/14/13 13:30	11/18/13 15:29	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	372	147	1	11/14/13 13:30	11/18/13 15:29	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	372	115	1	11/14/13 13:30	11/18/13 15:29	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	372	82.3	1	11/14/13 13:30	11/18/13 15:29	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	33	%	30-110		1	11/14/13 13:30	11/18/13 15:29	321-60-8	
Terphenyl-d14 (S)	64	%	28-110		1	11/14/13 13:30	11/18/13 15:29	1718-51-0	
Phenol-d6 (S)	30	%	22-110		1	11/14/13 13:30	11/18/13 15:29	13127-88-3	
2-Fluorophenol (S)	32	%	13-110		1	11/14/13 13:30	11/18/13 15:29	367-12-4	
2,4,6-Tribromophenol (S)	37	%	27-110		1	11/14/13 13:30	11/18/13 15:29	118-79-6	
Nitrobenzene-d5 (S)	32	%	23-110		1	11/14/13 13:30	11/18/13 15:29	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.3	1.7	1	11/14/13 10:34	11/18/13 16:30	83-32-9	
Acenaphthylene	ND	ug/kg	11.3	1.5	1	11/14/13 10:34	11/18/13 16:30	208-96-8	
Anthracene	ND	ug/kg	11.3	1.6	1	11/14/13 10:34	11/18/13 16:30	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.3	0.80	1	11/14/13 10:34	11/18/13 16:30	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.3	1.2	1	11/14/13 10:34	11/18/13 16:30	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.3	0.76	1	11/14/13 10:34	11/18/13 16:30	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.3	2.9	1	11/14/13 10:34	11/18/13 16:30	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.3	1.7	1	11/14/13 10:34	11/18/13 16:30	207-08-9	
Chrysene	ND	ug/kg	11.3	2.0	1	11/14/13 10:34	11/18/13 16:30	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.3	2.0	1	11/14/13 10:34	11/18/13 16:30	53-70-3	
Fluoranthene	ND	ug/kg	11.3	0.94	1	11/14/13 10:34	11/18/13 16:30	206-44-0	
Fluorene	ND	ug/kg	11.3	1.8	1	11/14/13 10:34	11/18/13 16:30	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.3	3.2	1	11/14/13 10:34	11/18/13 16:30	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.3	1.4	1	11/14/13 10:34	11/18/13 16:30	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.3	1.2	1	11/14/13 10:34	11/18/13 16:30	91-57-6	
Naphthalene	ND	ug/kg	11.3	2.6	1	11/14/13 10:34	11/18/13 16:30	91-20-3	
Phenanthrene	ND	ug/kg	11.3	1.7	1	11/14/13 10:34	11/18/13 16:30	85-01-8	
Pyrene	ND	ug/kg	11.3	2.0	1	11/14/13 10:34	11/18/13 16:30	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	34	%	10-128		1	11/14/13 10:34	11/18/13 16:30	4165-60-0	
2-Fluorobiphenyl (S)	31	%	10-110		1	11/14/13 10:34	11/18/13 16:30	321-60-8	
Terphenyl-d14 (S)	54	%	39-119		1	11/14/13 10:34	11/18/13 16:30	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**379**	ug/kg	103	10.3	1		11/14/13 17:53	67-64-1	
Benzene	ND	ug/kg	5.1	1.6	1		11/14/13 17:53	71-43-2	
Bromochloromethane	ND	ug/kg	5.1	1.7	1		11/14/13 17:53	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1.9	1		11/14/13 17:53	75-27-4	
Bromoform	ND	ug/kg	5.1	2.4	1		11/14/13 17:53	75-25-2	
Bromomethane	ND	ug/kg	10.3	2.6	1		11/14/13 17:53	74-83-9	
2-Butanone (MEK)	ND	ug/kg	103	3.0	1		11/14/13 17:53	78-93-3	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-21-14-15 **Lab ID: 92179407007** Collected: 11/12/13 14:00 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.3	3.1	1		11/14/13 17:53	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	2.7	1		11/14/13 17:53	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1.9	1		11/14/13 17:53	108-90-7	
Chloroethane	ND	ug/kg	10.3	2.5	1		11/14/13 17:53	75-00-3	
Chloroform	ND	ug/kg	5.1	1.6	1		11/14/13 17:53	67-66-3	
Chloromethane	ND	ug/kg	10.3	2.5	1		11/14/13 17:53	74-87-3	
Cyclohexane	ND	ug/kg	5.1	1.6	1		11/14/13 17:53	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	3.7	1		11/14/13 17:53	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1.8	1		11/14/13 17:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1.8	1		11/14/13 17:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1.9	1		11/14/13 17:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	2.1	1		11/14/13 17:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1.7	1		11/14/13 17:53	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.3	3.7	1		11/14/13 17:53	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1.5	1		11/14/13 17:53	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	2.3	1		11/14/13 17:53	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1.8	1		11/14/13 17:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1.4	1		11/14/13 17:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1.9	1		11/14/13 17:53	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1.7	1		11/14/13 17:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1.8	1		11/14/13 17:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1.5	1		11/14/13 17:53	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	154	123	1		11/14/13 17:53	123-91-1	
Ethylbenzene	ND	ug/kg	5.1	1.8	1		11/14/13 17:53	100-41-4	
2-Hexanone	ND	ug/kg	51.3	4.0	1		11/14/13 17:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1.9	1		11/14/13 17:53	98-82-8	
Methyl acetate	ND	ug/kg	10.3	1.4	1		11/14/13 17:53	79-20-9	
Methylcyclohexane	ND	ug/kg	10.3	1.5	1		11/14/13 17:53	108-87-2	
Methylene Chloride	ND	ug/kg	20.5	3.1	1		11/14/13 17:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	51.3	3.8	1		11/14/13 17:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1.5	1		11/14/13 17:53	1634-04-4	
Styrene	ND	ug/kg	5.1	1.8	1		11/14/13 17:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1.9	1		11/14/13 17:53	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1.7	1		11/14/13 17:53	127-18-4	
Toluene	ND	ug/kg	5.1	1.8	1		11/14/13 17:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	2.3	1		11/14/13 17:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1.6	1		11/14/13 17:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1.8	1		11/14/13 17:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	2.2	1		11/14/13 17:53	79-00-5	
Trichloroethene	**44.4**	ug/kg	5.1	2.2	1		11/14/13 17:53	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	2.3	1		11/14/13 17:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.1	1.9	1		11/14/13 17:53	76-13-1	
Vinyl chloride	ND	ug/kg	10.3	1.8	1		11/14/13 17:53	75-01-4	
m&p-Xylene	ND	ug/kg	10.3	3.7	1		11/14/13 17:53	179601-23-1	
o-Xylene	ND	ug/kg	5.1	1.9	1		11/14/13 17:53	95-47-6	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-21-14-15 **Lab ID: 92179407007** Collected: 11/12/13 14:00 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		11/14/13 17:53	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		11/14/13 17:53	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-132		1		11/14/13 17:53	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.3**	%	0.10	0.10	1		11/20/13 14:19		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS CSS-SB-207-3-4 **Lab ID: 92179407008** Collected: 11/12/13 14:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	373	192	1	11/14/13 13:30	11/18/13 16:01	98-86-2	
Atrazine	ND	ug/kg	745	147	1	11/14/13 13:30	11/18/13 16:01	1912-24-9	
Benzaldehyde	ND	ug/kg	745	373	1	11/14/13 13:30	11/18/13 16:01	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	373	117	1	11/14/13 13:30	11/18/13 16:01	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	373	67.7	1	11/14/13 13:30	11/18/13 16:01	101-55-3	
Butylbenzylphthalate	ND	ug/kg	373	79.0	1	11/14/13 13:30	11/18/13 16:01	85-68-7	
Caprolactam	ND	ug/kg	373	64.4	1	11/14/13 13:30	11/18/13 16:01	105-60-2	
Carbazole	ND	ug/kg	373	71.1	1	11/14/13 13:30	11/18/13 16:01	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	745	76.8	1	11/14/13 13:30	11/18/13 16:01	59-50-7	
4-Chloroaniline	ND	ug/kg	1860	104	1	11/14/13 13:30	11/18/13 16:01	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	373	86.9	1	11/14/13 13:30	11/18/13 16:01	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	373	94.8	1	11/14/13 13:30	11/18/13 16:01	111-44-4	
2-Chloronaphthalene	ND	ug/kg	373	73.4	1	11/14/13 13:30	11/18/13 16:01	91-58-7	
2-Chlorophenol	ND	ug/kg	373	102	1	11/14/13 13:30	11/18/13 16:01	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	373	76.8	1	11/14/13 13:30	11/18/13 16:01	7005-72-3	
Dibenzofuran	ND	ug/kg	373	61.0	1	11/14/13 13:30	11/18/13 16:01	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1860	81.3	1	11/14/13 13:30	11/18/13 16:01	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	373	81.3	1	11/14/13 13:30	11/18/13 16:01	120-83-2	
Diethylphthalate	ND	ug/kg	373	57.6	1	11/14/13 13:30	11/18/13 16:01	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	373	147	1	11/14/13 13:30	11/18/13 16:01	105-67-9	
Dimethylphthalate	ND	ug/kg	373	75.7	1	11/14/13 13:30	11/18/13 16:01	131-11-3	
Di-n-butylphthalate	ND	ug/kg	373	61.0	1	11/14/13 13:30	11/18/13 16:01	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	745	74.5	1	11/14/13 13:30	11/18/13 16:01	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1860	61.0	1	11/14/13 13:30	11/18/13 16:01	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	373	70.0	1	11/14/13 13:30	11/18/13 16:01	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	373	77.9	1	11/14/13 13:30	11/18/13 16:01	606-20-2	
Di-n-octylphthalate	ND	ug/kg	373	77.9	1	11/14/13 13:30	11/18/13 16:01	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	373	102	1	11/14/13 13:30	11/18/13 16:01	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	373	64.4	1	11/14/13 13:30	11/18/13 16:01	87-68-3	
Hexachlorobenzene	ND	ug/kg	373	47.4	1	11/14/13 13:30	11/18/13 16:01	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	373	68.9	1	11/14/13 13:30	11/18/13 16:01	77-47-4	
Hexachloroethane	ND	ug/kg	373	98.2	1	11/14/13 13:30	11/18/13 16:01	67-72-1	
Isophorone	ND	ug/kg	373	83.6	1	11/14/13 13:30	11/18/13 16:01	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	373	113	1	11/14/13 13:30	11/18/13 16:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	373	147	1	11/14/13 13:30	11/18/13 16:01		
2-Nitroaniline	ND	ug/kg	1860	115	1	11/14/13 13:30	11/18/13 16:01	88-74-4	
3-Nitroaniline	ND	ug/kg	1860	102	1	11/14/13 13:30	11/18/13 16:01	99-09-2	
4-Nitroaniline	ND	ug/kg	745	105	1	11/14/13 13:30	11/18/13 16:01	100-01-6	
Nitrobenzene	ND	ug/kg	373	102	1	11/14/13 13:30	11/18/13 16:01	98-95-3	
2-Nitrophenol	ND	ug/kg	373	90.3	1	11/14/13 13:30	11/18/13 16:01	88-75-5	
4-Nitrophenol	ND	ug/kg	1860	66.6	1	11/14/13 13:30	11/18/13 16:01	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	373	71.1	1	11/14/13 13:30	11/18/13 16:01	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	373	111	1	11/14/13 13:30	11/18/13 16:01	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	373	99.4	1	11/14/13 13:30	11/18/13 16:01	108-60-1	
Pentachlorophenol	ND	ug/kg	1860	67.7	1	11/14/13 13:30	11/18/13 16:01	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS CSS-SB-207-3-4 **Lab ID: 92179407008** Collected: 11/12/13 14:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	373	112	1	11/14/13 13:30	11/18/13 16:01	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	373	135	1	11/14/13 13:30	11/18/13 16:01	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	373	147	1	11/14/13 13:30	11/18/13 16:01	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	373	115	1	11/14/13 13:30	11/18/13 16:01	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	373	82.4	1	11/14/13 13:30	11/18/13 16:01	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	28	%	30-110		1	11/14/13 13:30	11/18/13 16:01	321-60-8	S0
Terphenyl-d14 (S)	51	%	28-110		1	11/14/13 13:30	11/18/13 16:01	1718-51-0	
Phenol-d6 (S)	25	%	22-110		1	11/14/13 13:30	11/18/13 16:01	13127-88-3	
2-Fluorophenol (S)	27	%	13-110		1	11/14/13 13:30	11/18/13 16:01	367-12-4	
2,4,6-Tribromophenol (S)	35	%	27-110		1	11/14/13 13:30	11/18/13 16:01	118-79-6	
Nitrobenzene-d5 (S)	26	%	23-110		1	11/14/13 13:30	11/18/13 16:01	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.3	1.7	1	11/14/13 10:34	11/18/13 16:50	83-32-9	
Acenaphthylene	ND	ug/kg	11.3	1.5	1	11/14/13 10:34	11/18/13 16:50	208-96-8	
Anthracene	ND	ug/kg	11.3	1.6	1	11/14/13 10:34	11/18/13 16:50	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.3	0.80	1	11/14/13 10:34	11/18/13 16:50	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.3	1.2	1	11/14/13 10:34	11/18/13 16:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.3	0.76	1	11/14/13 10:34	11/18/13 16:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.3	2.9	1	11/14/13 10:34	11/18/13 16:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.3	1.7	1	11/14/13 10:34	11/18/13 16:50	207-08-9	
Chrysene	ND	ug/kg	11.3	2.0	1	11/14/13 10:34	11/18/13 16:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.3	2.0	1	11/14/13 10:34	11/18/13 16:50	53-70-3	
Fluoranthene	ND	ug/kg	11.3	0.94	1	11/14/13 10:34	11/18/13 16:50	206-44-0	
Fluorene	ND	ug/kg	11.3	1.8	1	11/14/13 10:34	11/18/13 16:50	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.3	3.2	1	11/14/13 10:34	11/18/13 16:50	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.3	1.4	1	11/14/13 10:34	11/18/13 16:50	90-12-0	
2-Methylnaphthalene	**1.9J**	ug/kg	11.3	1.2	1	11/14/13 10:34	11/18/13 16:50	91-57-6	
Naphthalene	ND	ug/kg	11.3	2.6	1	11/14/13 10:34	11/18/13 16:50	91-20-3	
Phenanthrene	ND	ug/kg	11.3	1.7	1	11/14/13 10:34	11/18/13 16:50	85-01-8	
Pyrene	ND	ug/kg	11.3	2.0	1	11/14/13 10:34	11/18/13 16:50	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	44	%	10-128		1	11/14/13 10:34	11/18/13 16:50	4165-60-0	
2-Fluorobiphenyl (S)	43	%	10-110		1	11/14/13 10:34	11/18/13 16:50	321-60-8	
Terphenyl-d14 (S)	76	%	39-119		1	11/14/13 10:34	11/18/13 16:50	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**56.1J**	ug/kg	86.9	8.7	1		11/14/13 18:13	67-64-1	
Benzene	ND	ug/kg	4.3	1.4	1		11/14/13 18:13	71-43-2	
Bromochloromethane	ND	ug/kg	4.3	1.5	1		11/14/13 18:13	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1.7	1		11/14/13 18:13	75-27-4	
Bromoform	ND	ug/kg	4.3	2.0	1		11/14/13 18:13	75-25-2	
Bromomethane	ND	ug/kg	8.7	2.2	1		11/14/13 18:13	74-83-9	
2-Butanone (MEK)	ND	ug/kg	86.9	2.5	1		11/14/13 18:13	78-93-3	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS CSS-SB-207-3-4 **Lab ID: 92179407008** Collected: 11/12/13 14:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	8.7	2.6	1		11/14/13 18:13	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.3	2.3	1		11/14/13 18:13	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1.7	1		11/14/13 18:13	108-90-7	
Chloroethane	ND	ug/kg	8.7	2.1	1		11/14/13 18:13	75-00-3	
Chloroform	ND	ug/kg	4.3	1.4	1		11/14/13 18:13	67-66-3	
Chloromethane	ND	ug/kg	8.7	2.1	1		11/14/13 18:13	74-87-3	
Cyclohexane	ND	ug/kg	4.3	1.4	1		11/14/13 18:13	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.3	3.1	1		11/14/13 18:13	96-12-8	
Dibromochloromethane	ND	ug/kg	4.3	1.6	1		11/14/13 18:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1.6	1		11/14/13 18:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.3	1.7	1		11/14/13 18:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1.7	1		11/14/13 18:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1.5	1		11/14/13 18:13	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.7	3.1	1		11/14/13 18:13	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1.3	1		11/14/13 18:13	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1.9	1		11/14/13 18:13	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.3	1.6	1		11/14/13 18:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1.2	1		11/14/13 18:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1.7	1		11/14/13 18:13	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1.5	1		11/14/13 18:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1.6	1		11/14/13 18:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1.3	1		11/14/13 18:13	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	130	104	1		11/14/13 18:13	123-91-1	
Ethylbenzene	ND	ug/kg	4.3	1.6	1		11/14/13 18:13	100-41-4	
2-Hexanone	ND	ug/kg	43.4	3.4	1		11/14/13 18:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1.7	1		11/14/13 18:13	98-82-8	
Methyl acetate	ND	ug/kg	8.7	1.2	1		11/14/13 18:13	79-20-9	
Methylcyclohexane	ND	ug/kg	8.7	1.3	1		11/14/13 18:13	108-87-2	
Methylene Chloride	ND	ug/kg	17.4	2.6	1		11/14/13 18:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	43.4	3.2	1		11/14/13 18:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1.3	1		11/14/13 18:13	1634-04-4	
Styrene	ND	ug/kg	4.3	1.6	1		11/14/13 18:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1.7	1		11/14/13 18:13	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1.5	1		11/14/13 18:13	127-18-4	
Toluene	ND	ug/kg	4.3	1.6	1		11/14/13 18:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1.9	1		11/14/13 18:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1.4	1		11/14/13 18:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1.6	1		11/14/13 18:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1.8	1		11/14/13 18:13	79-00-5	
Trichloroethene	**19.3**	ug/kg	4.3	1.8	1		11/14/13 18:13	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1.9	1		11/14/13 18:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.3	1.7	1		11/14/13 18:13	76-13-1	
Vinyl chloride	ND	ug/kg	8.7	1.6	1		11/14/13 18:13	75-01-4	
m&p-Xylene	ND	ug/kg	8.7	3.1	1		11/14/13 18:13	179601-23-1	
o-Xylene	ND	ug/kg	4.3	1.7	1		11/14/13 18:13	95-47-6	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS CSS-SB-207-3-4 **Lab ID: 92179407008** Collected: 11/12/13 14:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		11/14/13 18:13	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		11/14/13 18:13	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-132		1		11/14/13 18:13	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.4**	%	0.10	0.10	1		11/20/13 14:19		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS CSS-SB-207-6-7 **Lab ID: 92179407009** Collected: 11/12/13 14:35 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	407	210	1	11/14/13 13:30	11/19/13 11:53	98-86-2	
Atrazine	ND	ug/kg	814	160	1	11/14/13 13:30	11/19/13 11:53	1912-24-9	
Benzaldehyde	ND	ug/kg	814	407	1	11/14/13 13:30	11/19/13 11:53	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	407	128	1	11/14/13 13:30	11/19/13 11:53	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	407	74.0	1	11/14/13 13:30	11/19/13 11:53	101-55-3	
Butylbenzylphthalate	ND	ug/kg	407	86.4	1	11/14/13 13:30	11/19/13 11:53	85-68-7	
Caprolactam	ND	ug/kg	407	70.3	1	11/14/13 13:30	11/19/13 11:53	105-60-2	
Carbazole	ND	ug/kg	407	77.7	1	11/14/13 13:30	11/19/13 11:53	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	814	83.9	1	11/14/13 13:30	11/19/13 11:53	59-50-7	
4-Chloroaniline	ND	ug/kg	2040	113	1	11/14/13 13:30	11/19/13 11:53	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	407	95.0	1	11/14/13 13:30	11/19/13 11:53	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	407	104	1	11/14/13 13:30	11/19/13 11:53	111-44-4	
2-Chloronaphthalene	ND	ug/kg	407	80.2	1	11/14/13 13:30	11/19/13 11:53	91-58-7	
2-Chlorophenol	ND	ug/kg	407	111	1	11/14/13 13:30	11/19/13 11:53	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	407	83.9	1	11/14/13 13:30	11/19/13 11:53	7005-72-3	
Dibenzofuran	ND	ug/kg	407	66.6	1	11/14/13 13:30	11/19/13 11:53	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2040	88.8	1	11/14/13 13:30	11/19/13 11:53	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	407	88.8	1	11/14/13 13:30	11/19/13 11:53	120-83-2	
Diethylphthalate	ND	ug/kg	407	62.9	1	11/14/13 13:30	11/19/13 11:53	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	407	160	1	11/14/13 13:30	11/19/13 11:53	105-67-9	
Dimethylphthalate	ND	ug/kg	407	82.6	1	11/14/13 13:30	11/19/13 11:53	131-11-3	
Di-n-butylphthalate	ND	ug/kg	407	66.6	1	11/14/13 13:30	11/19/13 11:53	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	814	81.4	1	11/14/13 13:30	11/19/13 11:53	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2040	66.6	1	11/14/13 13:30	11/19/13 11:53	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	407	76.5	1	11/14/13 13:30	11/19/13 11:53	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	407	85.1	1	11/14/13 13:30	11/19/13 11:53	606-20-2	
Di-n-octylphthalate	ND	ug/kg	407	85.1	1	11/14/13 13:30	11/19/13 11:53	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	407	111	1	11/14/13 13:30	11/19/13 11:53	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	407	70.3	1	11/14/13 13:30	11/19/13 11:53	87-68-3	
Hexachlorobenzene	ND	ug/kg	407	51.8	1	11/14/13 13:30	11/19/13 11:53	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	407	75.2	1	11/14/13 13:30	11/19/13 11:53	77-47-4	
Hexachloroethane	ND	ug/kg	407	107	1	11/14/13 13:30	11/19/13 11:53	67-72-1	
Isophorone	ND	ug/kg	407	91.3	1	11/14/13 13:30	11/19/13 11:53	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	407	123	1	11/14/13 13:30	11/19/13 11:53	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	407	160	1	11/14/13 13:30	11/19/13 11:53		
2-Nitroaniline	ND	ug/kg	2040	126	1	11/14/13 13:30	11/19/13 11:53	88-74-4	
3-Nitroaniline	ND	ug/kg	2040	111	1	11/14/13 13:30	11/19/13 11:53	99-09-2	
4-Nitroaniline	ND	ug/kg	814	115	1	11/14/13 13:30	11/19/13 11:53	100-01-6	
Nitrobenzene	ND	ug/kg	407	111	1	11/14/13 13:30	11/19/13 11:53	98-95-3	
2-Nitrophenol	ND	ug/kg	407	98.7	1	11/14/13 13:30	11/19/13 11:53	88-75-5	
4-Nitrophenol	ND	ug/kg	2040	72.8	1	11/14/13 13:30	11/19/13 11:53	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	407	77.7	1	11/14/13 13:30	11/19/13 11:53	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	407	121	1	11/14/13 13:30	11/19/13 11:53	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	407	109	1	11/14/13 13:30	11/19/13 11:53	108-60-1	
Pentachlorophenol	ND	ug/kg	2040	74.0	1	11/14/13 13:30	11/19/13 11:53	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS CSS-SB-207-6-7 **Lab ID: 92179407009** Collected: 11/12/13 14:35 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	407	122	1	11/14/13 13:30	11/19/13 11:53	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	407	148	1	11/14/13 13:30	11/19/13 11:53	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	407	160	1	11/14/13 13:30	11/19/13 11:53	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	407	126	1	11/14/13 13:30	11/19/13 11:53	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	407	90.1	1	11/14/13 13:30	11/19/13 11:53	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	31	%	30-110		1	11/14/13 13:30	11/19/13 11:53	321-60-8	
Terphenyl-d14 (S)	55	%	28-110		1	11/14/13 13:30	11/19/13 11:53	1718-51-0	
Phenol-d6 (S)	28	%	22-110		1	11/14/13 13:30	11/19/13 11:53	13127-88-3	
2-Fluorophenol (S)	30	%	13-110		1	11/14/13 13:30	11/19/13 11:53	367-12-4	
2,4,6-Tribromophenol (S)	39	%	27-110		1	11/14/13 13:30	11/19/13 11:53	118-79-6	
Nitrobenzene-d5 (S)	31	%	23-110		1	11/14/13 13:30	11/19/13 11:53	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.3	1.9	1	11/14/13 10:34	11/18/13 17:10	83-32-9	
Acenaphthylene	ND	ug/kg	12.3	1.6	1	11/14/13 10:34	11/18/13 17:10	208-96-8	
Anthracene	ND	ug/kg	12.3	1.7	1	11/14/13 10:34	11/18/13 17:10	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.3	0.88	1	11/14/13 10:34	11/18/13 17:10	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.3	1.4	1	11/14/13 10:34	11/18/13 17:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.3	0.83	1	11/14/13 10:34	11/18/13 17:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.3	3.2	1	11/14/13 10:34	11/18/13 17:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.3	1.9	1	11/14/13 10:34	11/18/13 17:10	207-08-9	
Chrysene	ND	ug/kg	12.3	2.2	1	11/14/13 10:34	11/18/13 17:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.3	2.2	1	11/14/13 10:34	11/18/13 17:10	53-70-3	
Fluoranthene	ND	ug/kg	12.3	1.0	1	11/14/13 10:34	11/18/13 17:10	206-44-0	
Fluorene	ND	ug/kg	12.3	2.0	1	11/14/13 10:34	11/18/13 17:10	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.3	3.5	1	11/14/13 10:34	11/18/13 17:10	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.3	1.5	1	11/14/13 10:34	11/18/13 17:10	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.3	1.4	1	11/14/13 10:34	11/18/13 17:10	91-57-6	
Naphthalene	ND	ug/kg	12.3	2.8	1	11/14/13 10:34	11/18/13 17:10	91-20-3	
Phenanthrene	ND	ug/kg	12.3	1.9	1	11/14/13 10:34	11/18/13 17:10	85-01-8	
Pyrene	ND	ug/kg	12.3	2.2	1	11/14/13 10:34	11/18/13 17:10	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	45	%	10-128		1	11/14/13 10:34	11/18/13 17:10	4165-60-0	
2-Fluorobiphenyl (S)	43	%	10-110		1	11/14/13 10:34	11/18/13 17:10	321-60-8	
Terphenyl-d14 (S)	75	%	39-119		1	11/14/13 10:34	11/18/13 17:10	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**82.2J**	ug/kg	93.0	9.3	1		11/14/13 18:32	67-64-1	
Benzene	ND	ug/kg	4.7	1.5	1		11/14/13 18:32	71-43-2	
Bromochloromethane	ND	ug/kg	4.7	1.6	1		11/14/13 18:32	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1.8	1		11/14/13 18:32	75-27-4	
Bromoform	ND	ug/kg	4.7	2.1	1		11/14/13 18:32	75-25-2	
Bromomethane	ND	ug/kg	9.3	2.3	1		11/14/13 18:32	74-83-9	
2-Butanone (MEK)	**12.1J**	ug/kg	93.0	2.7	1		11/14/13 18:32	78-93-3	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS CSS-SB-207-6-7 **Lab ID: 92179407009** Collected: 11/12/13 14:35 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	9.3	2.8	1		11/14/13 18:32	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	2.4	1		11/14/13 18:32	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1.8	1		11/14/13 18:32	108-90-7	
Chloroethane	ND	ug/kg	9.3	2.2	1		11/14/13 18:32	75-00-3	
Chloroform	ND	ug/kg	4.7	1.5	1		11/14/13 18:32	67-66-3	
Chloromethane	ND	ug/kg	9.3	2.2	1		11/14/13 18:32	74-87-3	
Cyclohexane	ND	ug/kg	4.7	1.5	1		11/14/13 18:32	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.7	3.3	1		11/14/13 18:32	96-12-8	
Dibromochloromethane	ND	ug/kg	4.7	1.7	1		11/14/13 18:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1.7	1		11/14/13 18:32	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1.8	1		11/14/13 18:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1.9	1		11/14/13 18:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1.6	1		11/14/13 18:32	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.3	3.3	1		11/14/13 18:32	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1.4	1		11/14/13 18:32	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	2.0	1		11/14/13 18:32	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1.7	1		11/14/13 18:32	75-35-4	
cis-1,2-Dichloroethene	**4.0J**	ug/kg	4.7	1.3	1		11/14/13 18:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1.8	1		11/14/13 18:32	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1.6	1		11/14/13 18:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1.7	1		11/14/13 18:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1.4	1		11/14/13 18:32	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	140	112	1		11/14/13 18:32	123-91-1	
Ethylbenzene	ND	ug/kg	4.7	1.7	1		11/14/13 18:32	100-41-4	
2-Hexanone	ND	ug/kg	46.5	3.6	1		11/14/13 18:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1.8	1		11/14/13 18:32	98-82-8	
Methyl acetate	ND	ug/kg	9.3	1.3	1		11/14/13 18:32	79-20-9	
Methylcyclohexane	ND	ug/kg	9.3	1.4	1		11/14/13 18:32	108-87-2	
Methylene Chloride	ND	ug/kg	18.6	2.8	1		11/14/13 18:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.5	3.4	1		11/14/13 18:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1.4	1		11/14/13 18:32	1634-04-4	
Styrene	ND	ug/kg	4.7	1.7	1		11/14/13 18:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1.8	1		11/14/13 18:32	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1.6	1		11/14/13 18:32	127-18-4	
Toluene	ND	ug/kg	4.7	1.7	1		11/14/13 18:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	2.0	1		11/14/13 18:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1.5	1		11/14/13 18:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1.7	1		11/14/13 18:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	2.0	1		11/14/13 18:32	79-00-5	
Trichloroethene	**54.1**	ug/kg	4.7	2.0	1		11/14/13 18:32	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	2.0	1		11/14/13 18:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.7	1.8	1		11/14/13 18:32	76-13-1	
Vinyl chloride	ND	ug/kg	9.3	1.7	1		11/14/13 18:32	75-01-4	
m&p-Xylene	ND	ug/kg	9.3	3.3	1		11/14/13 18:32	179601-23-1	
o-Xylene	ND	ug/kg	4.7	1.8	1		11/14/13 18:32	95-47-6	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS CSS-SB-207-6-7 **Lab ID: 92179407009** Collected: 11/12/13 14:35 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/14/13 18:32	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		11/14/13 18:32	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-132		1		11/14/13 18:32	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.9**	%	0.10	0.10	1		11/20/13 14:19		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS CSS-SB-207-13-14 **Lab ID: 92179407010** Collected: 11/12/13 14:45 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	18200	9370	10	11/14/13 13:30	11/20/13 11:12	98-86-2	
Atrazine	ND	ug/kg	36400	7160	10	11/14/13 13:30	11/20/13 11:12	1912-24-9	
Benzaldehyde	ND	ug/kg	36400	18200	10	11/14/13 13:30	11/20/13 11:12	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	18200	5730	10	11/14/13 13:30	11/20/13 11:12	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	18200	3310	10	11/14/13 13:30	11/20/13 11:12	101-55-3	
Butylbenzylphthalate	ND	ug/kg	18200	3860	10	11/14/13 13:30	11/20/13 11:12	85-68-7	
Caprolactam	ND	ug/kg	18200	3140	10	11/14/13 13:30	11/20/13 11:12	105-60-2	
Carbazole	ND	ug/kg	18200	3470	10	11/14/13 13:30	11/20/13 11:12	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	36400	3750	10	11/14/13 13:30	11/20/13 11:12	59-50-7	
4-Chloroaniline	ND	ug/kg	90900	5070	10	11/14/13 13:30	11/20/13 11:12	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	18200	4240	10	11/14/13 13:30	11/20/13 11:12	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	18200	4630	10	11/14/13 13:30	11/20/13 11:12	111-44-4	
2-Chloronaphthalene	ND	ug/kg	18200	3580	10	11/14/13 13:30	11/20/13 11:12	91-58-7	
2-Chlorophenol	ND	ug/kg	18200	4960	10	11/14/13 13:30	11/20/13 11:12	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	18200	3750	10	11/14/13 13:30	11/20/13 11:12	7005-72-3	
Dibenzofuran	ND	ug/kg	18200	2980	10	11/14/13 13:30	11/20/13 11:12	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	90900	3970	10	11/14/13 13:30	11/20/13 11:12	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	18200	3970	10	11/14/13 13:30	11/20/13 11:12	120-83-2	
Diethylphthalate	ND	ug/kg	18200	2810	10	11/14/13 13:30	11/20/13 11:12	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	18200	7160	10	11/14/13 13:30	11/20/13 11:12	105-67-9	
Dimethylphthalate	ND	ug/kg	18200	3690	10	11/14/13 13:30	11/20/13 11:12	131-11-3	
Di-n-butylphthalate	ND	ug/kg	18200	2980	10	11/14/13 13:30	11/20/13 11:12	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	36400	3640	10	11/14/13 13:30	11/20/13 11:12	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	90900	2980	10	11/14/13 13:30	11/20/13 11:12	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	18200	3420	10	11/14/13 13:30	11/20/13 11:12	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	18200	3800	10	11/14/13 13:30	11/20/13 11:12	606-20-2	
Di-n-octylphthalate	ND	ug/kg	18200	3800	10	11/14/13 13:30	11/20/13 11:12	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	18200	4960	10	11/14/13 13:30	11/20/13 11:12	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	18200	3140	10	11/14/13 13:30	11/20/13 11:12	87-68-3	
Hexachlorobenzene	ND	ug/kg	18200	2310	10	11/14/13 13:30	11/20/13 11:12	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	18200	3360	10	11/14/13 13:30	11/20/13 11:12	77-47-4	
Hexachloroethane	ND	ug/kg	18200	4790	10	11/14/13 13:30	11/20/13 11:12	67-72-1	
Isophorone	ND	ug/kg	18200	4080	10	11/14/13 13:30	11/20/13 11:12	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	18200	5510	10	11/14/13 13:30	11/20/13 11:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	18200	7160	10	11/14/13 13:30	11/20/13 11:12		
2-Nitroaniline	ND	ug/kg	90900	5620	10	11/14/13 13:30	11/20/13 11:12	88-74-4	
3-Nitroaniline	ND	ug/kg	90900	4960	10	11/14/13 13:30	11/20/13 11:12	99-09-2	
4-Nitroaniline	ND	ug/kg	36400	5130	10	11/14/13 13:30	11/20/13 11:12	100-01-6	
Nitrobenzene	ND	ug/kg	18200	4960	10	11/14/13 13:30	11/20/13 11:12	98-95-3	
2-Nitrophenol	ND	ug/kg	18200	4410	10	11/14/13 13:30	11/20/13 11:12	88-75-5	
4-Nitrophenol	ND	ug/kg	90900	3250	10	11/14/13 13:30	11/20/13 11:12	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	18200	3470	10	11/14/13 13:30	11/20/13 11:12	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	18200	5400	10	11/14/13 13:30	11/20/13 11:12	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	18200	4850	10	11/14/13 13:30	11/20/13 11:12	108-60-1	
Pentachlorophenol	ND	ug/kg	90900	3310	10	11/14/13 13:30	11/20/13 11:12	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS CSS-SB-207-13-14 **Lab ID: 92179407010** Collected: 11/12/13 14:45 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	18200	5460	10	11/14/13 13:30	11/20/13 11:12	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	18200	6610	10	11/14/13 13:30	11/20/13 11:12	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	18200	7160	10	11/14/13 13:30	11/20/13 11:12	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	18200	5620	10	11/14/13 13:30	11/20/13 11:12	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	18200	4020	10	11/14/13 13:30	11/20/13 11:12	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	0	%	30-110		10	11/14/13 13:30	11/20/13 11:12	321-60-8	D3,P3, S4
Terphenyl-d14 (S)	0	%	28-110		10	11/14/13 13:30	11/20/13 11:12	1718-51-0	
Phenol-d6 (S)	0	%	22-110		10	11/14/13 13:30	11/20/13 11:12	13127-88-3	
2-Fluorophenol (S)	0	%	13-110		10	11/14/13 13:30	11/20/13 11:12	367-12-4	
2,4,6-Tribromophenol (S)	0	%	27-110		10	11/14/13 13:30	11/20/13 11:12	118-79-6	
Nitrobenzene-d5 (S)	0	%	23-110		10	11/14/13 13:30	11/20/13 11:12	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**1540**	ug/kg	551	82.7	10	11/19/13 16:00	11/20/13 13:18	83-32-9	
Acenaphthylene	ND	ug/kg	551	71.6	10	11/19/13 16:00	11/20/13 13:18	208-96-8	
Anthracene	ND	ug/kg	551	77.2	10	11/19/13 16:00	11/20/13 13:18	120-12-7	
Benzo(a)anthracene	ND	ug/kg	551	39.1	10	11/19/13 16:00	11/20/13 13:18	56-55-3	
Benzo(a)pyrene	ND	ug/kg	551	60.6	10	11/19/13 16:00	11/20/13 13:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	551	36.9	10	11/19/13 16:00	11/20/13 13:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	551	143	10	11/19/13 16:00	11/20/13 13:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	551	82.7	10	11/19/13 16:00	11/20/13 13:18	207-08-9	
Chrysene	ND	ug/kg	551	99.2	10	11/19/13 16:00	11/20/13 13:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	551	99.2	10	11/19/13 16:00	11/20/13 13:18	53-70-3	
Fluoranthene	ND	ug/kg	551	45.7	10	11/19/13 16:00	11/20/13 13:18	206-44-0	
Fluorene	**4260**	ug/kg	551	88.2	10	11/19/13 16:00	11/20/13 13:18	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	551	154	10	11/19/13 16:00	11/20/13 13:18	193-39-5	
1-Methylnaphthalene	**21400**	ug/kg	551	66.1	10	11/19/13 16:00	11/20/13 13:18	90-12-0	
2-Methylnaphthalene	**22100**	ug/kg	551	60.6	10	11/19/13 16:00	11/20/13 13:18	91-57-6	
Naphthalene	ND	ug/kg	551	127	10	11/19/13 16:00	11/20/13 13:18	91-20-3	
Phenanthrene	**7410**	ug/kg	551	82.7	10	11/19/13 16:00	11/20/13 13:18	85-01-8	
Pyrene	**921**	ug/kg	551	99.2	10	11/19/13 16:00	11/20/13 13:18	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	0	%	10-128		10	11/19/13 16:00	11/20/13 13:18	4165-60-0	D3,P3, S4
2-Fluorobiphenyl (S)	0	%	10-110		10	11/19/13 16:00	11/20/13 13:18	321-60-8	
Terphenyl-d14 (S)	0	%	39-119		10	11/19/13 16:00	11/20/13 13:18	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**272J**	ug/kg	2110	211	25		11/14/13 18:52	67-64-1	
Benzene	ND	ug/kg	105	33.8	25		11/14/13 18:52	71-43-2	
Bromochloromethane	ND	ug/kg	105	35.9	25		11/14/13 18:52	74-97-5	
Bromodichloromethane	ND	ug/kg	105	40.1	25		11/14/13 18:52	75-27-4	
Bromoform	ND	ug/kg	105	48.5	25		11/14/13 18:52	75-25-2	
Bromomethane	ND	ug/kg	211	52.7	25		11/14/13 18:52	74-83-9	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS CSS-SB-207-13-14 **Lab ID: 92179407010** Collected: 11/12/13 14:45 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
2-Butanone (MEK)	ND	ug/kg	2110	61.2	25		11/14/13 18:52	78-93-3	
Carbon disulfide	ND	ug/kg	211	63.3	25		11/14/13 18:52	75-15-0	
Carbon tetrachloride	ND	ug/kg	105	54.9	25		11/14/13 18:52	56-23-5	
Chlorobenzene	ND	ug/kg	105	40.1	25		11/14/13 18:52	108-90-7	
Chloroethane	ND	ug/kg	211	50.6	25		11/14/13 18:52	75-00-3	
Chloroform	ND	ug/kg	105	33.8	25		11/14/13 18:52	67-66-3	
Chloromethane	ND	ug/kg	211	50.6	25		11/14/13 18:52	74-87-3	
Cyclohexane	**59.6J**	ug/kg	105	33.8	25		11/14/13 18:52	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	105	76.0	25		11/14/13 18:52	96-12-8	
Dibromochloromethane	ND	ug/kg	105	38.0	25		11/14/13 18:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	105	38.0	25		11/14/13 18:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	105	40.1	25		11/14/13 18:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	105	42.2	25		11/14/13 18:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	105	35.9	25		11/14/13 18:52	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	211	76.0	25		11/14/13 18:52	75-71-8	
1,1-Dichloroethane	ND	ug/kg	105	31.6	25		11/14/13 18:52	75-34-3	
1,2-Dichloroethane	ND	ug/kg	105	46.4	25		11/14/13 18:52	107-06-2	
1,1-Dichloroethene	ND	ug/kg	105	38.0	25		11/14/13 18:52	75-35-4	
cis-1,2-Dichloroethene	**196**	ug/kg	105	29.5	25		11/14/13 18:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	105	40.1	25		11/14/13 18:52	156-60-5	
1,2-Dichloropropane	ND	ug/kg	105	35.9	25		11/14/13 18:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	105	38.0	25		11/14/13 18:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	105	31.6	25		11/14/13 18:52	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	3160	2530	25		11/14/13 18:52	123-91-1	
Ethylbenzene	**1450**	ug/kg	105	38.0	25		11/14/13 18:52	100-41-4	
2-Hexanone	ND	ug/kg	1050	82.3	25		11/14/13 18:52	591-78-6	
Isopropylbenzene (Cumene)	**1140**	ug/kg	105	40.1	25		11/14/13 18:52	98-82-8	
Methyl acetate	**455**	ug/kg	211	29.5	25		11/14/13 18:52	79-20-9	
Methylcyclohexane	ND	ug/kg	211	31.6	25		11/14/13 18:52	108-87-2	
Methylene Chloride	ND	ug/kg	422	63.3	25		11/14/13 18:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1050	78.1	25		11/14/13 18:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	105	31.6	25		11/14/13 18:52	1634-04-4	
Styrene	ND	ug/kg	105	38.0	25		11/14/13 18:52	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	105	40.1	25		11/14/13 18:52	79-34-5	
Tetrachloroethene	**1720**	ug/kg	105	35.9	25		11/14/13 18:52	127-18-4	
Toluene	**171**	ug/kg	105	38.0	25		11/14/13 18:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	105	46.4	25		11/14/13 18:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	105	33.8	25		11/14/13 18:52	120-82-1	
1,1,1-Trichloroethane	**870**	ug/kg	105	38.0	25		11/14/13 18:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	105	44.3	25		11/14/13 18:52	79-00-5	
Trichloroethene	**47400**	ug/kg	4220	1770	1000		11/15/13 18:05	79-01-6	
Trichlorofluoromethane	ND	ug/kg	105	46.4	25		11/14/13 18:52	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	105	40.1	25		11/14/13 18:52	76-13-1	
Vinyl chloride	ND	ug/kg	211	38.0	25		11/14/13 18:52	75-01-4	
m&p-Xylene	**1080**	ug/kg	211	76.0	25		11/14/13 18:52	179601-23-1	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS CSS-SB-207-13-14 **Lab ID: 92179407010** Collected: 11/12/13 14:45 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
o-Xylene	**2950**	ug/kg	105	40.1	25		11/14/13 18:52	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		25		11/14/13 18:52	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		25		11/14/13 18:52	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-132		25		11/14/13 18:52	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.3**	%	0.10	0.10	1		11/20/13 14:19		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-17-0-1 **Lab ID: 92179407011** Collected: 11/12/13 15:00 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	20800	10700	10	11/14/13 13:30	11/19/13 20:49	98-86-2	
Atrazine	ND	ug/kg	41600	8190	10	11/14/13 13:30	11/19/13 20:49	1912-24-9	
Benzaldehyde	ND	ug/kg	41600	20800	10	11/14/13 13:30	11/19/13 20:49	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	20800	6550	10	11/14/13 13:30	11/19/13 20:49	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	20800	3780	10	11/14/13 13:30	11/19/13 20:49	101-55-3	
Butylbenzylphthalate	ND	ug/kg	20800	4410	10	11/14/13 13:30	11/19/13 20:49	85-68-7	
Caprolactam	ND	ug/kg	20800	3590	10	11/14/13 13:30	11/19/13 20:49	105-60-2	
Carbazole	ND	ug/kg	20800	3970	10	11/14/13 13:30	11/19/13 20:49	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	41600	4280	10	11/14/13 13:30	11/19/13 20:49	59-50-7	
4-Chloroaniline	ND	ug/kg	104000	5790	10	11/14/13 13:30	11/19/13 20:49	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	20800	4850	10	11/14/13 13:30	11/19/13 20:49	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	20800	5290	10	11/14/13 13:30	11/19/13 20:49	111-44-4	
2-Chloronaphthalene	ND	ug/kg	20800	4090	10	11/14/13 13:30	11/19/13 20:49	91-58-7	
2-Chlorophenol	ND	ug/kg	20800	5670	10	11/14/13 13:30	11/19/13 20:49	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	20800	4280	10	11/14/13 13:30	11/19/13 20:49	7005-72-3	
Dibenzofuran	ND	ug/kg	20800	3400	10	11/14/13 13:30	11/19/13 20:49	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	104000	4530	10	11/14/13 13:30	11/19/13 20:49	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	20800	4530	10	11/14/13 13:30	11/19/13 20:49	120-83-2	
Diethylphthalate	ND	ug/kg	20800	3210	10	11/14/13 13:30	11/19/13 20:49	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	20800	8190	10	11/14/13 13:30	11/19/13 20:49	105-67-9	
Dimethylphthalate	ND	ug/kg	20800	4220	10	11/14/13 13:30	11/19/13 20:49	131-11-3	
Di-n-butylphthalate	ND	ug/kg	20800	3400	10	11/14/13 13:30	11/19/13 20:49	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	41600	4160	10	11/14/13 13:30	11/19/13 20:49	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	104000	3400	10	11/14/13 13:30	11/19/13 20:49	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	20800	3900	10	11/14/13 13:30	11/19/13 20:49	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	20800	4340	10	11/14/13 13:30	11/19/13 20:49	606-20-2	
Di-n-octylphthalate	ND	ug/kg	20800	4340	10	11/14/13 13:30	11/19/13 20:49	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	20800	5670	10	11/14/13 13:30	11/19/13 20:49	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	20800	3590	10	11/14/13 13:30	11/19/13 20:49	87-68-3	
Hexachlorobenzene	ND	ug/kg	20800	2640	10	11/14/13 13:30	11/19/13 20:49	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	20800	3840	10	11/14/13 13:30	11/19/13 20:49	77-47-4	
Hexachloroethane	ND	ug/kg	20800	5480	10	11/14/13 13:30	11/19/13 20:49	67-72-1	
Isophorone	ND	ug/kg	20800	4660	10	11/14/13 13:30	11/19/13 20:49	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	20800	6300	10	11/14/13 13:30	11/19/13 20:49	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	20800	8190	10	11/14/13 13:30	11/19/13 20:49		
2-Nitroaniline	ND	ug/kg	104000	6420	10	11/14/13 13:30	11/19/13 20:49	88-74-4	
3-Nitroaniline	ND	ug/kg	104000	5670	10	11/14/13 13:30	11/19/13 20:49	99-09-2	
4-Nitroaniline	ND	ug/kg	41600	5860	10	11/14/13 13:30	11/19/13 20:49	100-01-6	
Nitrobenzene	ND	ug/kg	20800	5670	10	11/14/13 13:30	11/19/13 20:49	98-95-3	
2-Nitrophenol	ND	ug/kg	20800	5040	10	11/14/13 13:30	11/19/13 20:49	88-75-5	
4-Nitrophenol	ND	ug/kg	104000	3710	10	11/14/13 13:30	11/19/13 20:49	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	20800	3970	10	11/14/13 13:30	11/19/13 20:49	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	20800	6170	10	11/14/13 13:30	11/19/13 20:49	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	20800	5540	10	11/14/13 13:30	11/19/13 20:49	108-60-1	
Pentachlorophenol	ND	ug/kg	104000	3780	10	11/14/13 13:30	11/19/13 20:49	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-17-0-1 **Lab ID: 92179407011** Collected: 11/12/13 15:00 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	20800	6230	10	11/14/13 13:30	11/19/13 20:49	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	20800	7560	10	11/14/13 13:30	11/19/13 20:49	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	20800	8190	10	11/14/13 13:30	11/19/13 20:49	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	20800	6420	10	11/14/13 13:30	11/19/13 20:49	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	20800	4600	10	11/14/13 13:30	11/19/13 20:49	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	0	%	30-110		10	11/14/13 13:30	11/19/13 20:49	321-60-8	D3,P3, S4
Terphenyl-d14 (S)	0	%	28-110		10	11/14/13 13:30	11/19/13 20:49	1718-51-0	
Phenol-d6 (S)	0	%	22-110		10	11/14/13 13:30	11/19/13 20:49	13127-88-3	
2-Fluorophenol (S)	0	%	13-110		10	11/14/13 13:30	11/19/13 20:49	367-12-4	
2,4,6-Tribromophenol (S)	0	%	27-110		10	11/14/13 13:30	11/19/13 20:49	118-79-6	
Nitrobenzene-d5 (S)	0	%	23-110		10	11/14/13 13:30	11/19/13 20:49	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	630	94.4	10	11/14/13 10:34	11/19/13 13:18	83-32-9	
Acenaphthylene	ND	ug/kg	630	81.9	10	11/14/13 10:34	11/19/13 13:18	208-96-8	
Anthracene	ND	ug/kg	630	88.2	10	11/14/13 10:34	11/19/13 13:18	120-12-7	
Benzo(a)anthracene	ND	ug/kg	630	44.7	10	11/14/13 10:34	11/19/13 13:18	56-55-3	
Benzo(a)pyrene	ND	ug/kg	630	69.3	10	11/14/13 10:34	11/19/13 13:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	630	42.2	10	11/14/13 10:34	11/19/13 13:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	630	164	10	11/14/13 10:34	11/19/13 13:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	630	94.4	10	11/14/13 10:34	11/19/13 13:18	207-08-9	
Chrysene	ND	ug/kg	630	113	10	11/14/13 10:34	11/19/13 13:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	630	113	10	11/14/13 10:34	11/19/13 13:18	53-70-3	
Fluoranthene	ND	ug/kg	630	52.3	10	11/14/13 10:34	11/19/13 13:18	206-44-0	
Fluorene	ND	ug/kg	630	101	10	11/14/13 10:34	11/19/13 13:18	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	630	176	10	11/14/13 10:34	11/19/13 13:18	193-39-5	
1-Methylnaphthalene	ND	ug/kg	630	75.6	10	11/14/13 10:34	11/19/13 13:18	90-12-0	
2-Methylnaphthalene	ND	ug/kg	630	69.3	10	11/14/13 10:34	11/19/13 13:18	91-57-6	
Naphthalene	ND	ug/kg	630	145	10	11/14/13 10:34	11/19/13 13:18	91-20-3	
Phenanthrene	ND	ug/kg	630	94.4	10	11/14/13 10:34	11/19/13 13:18	85-01-8	
Pyrene	ND	ug/kg	630	113	10	11/14/13 10:34	11/19/13 13:18	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	0	%	10-128		10	11/14/13 10:34	11/19/13 13:18	4165-60-0	D3,P3, S4
2-Fluorobiphenyl (S)	0	%	10-110		10	11/14/13 10:34	11/19/13 13:18	321-60-8	
Terphenyl-d14 (S)	0	%	39-119		10	11/14/13 10:34	11/19/13 13:18	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**106**	ug/kg	102	10.2	1		11/14/13 19:12	67-64-1	A+
Benzene	ND	ug/kg	5.1	1.6	1		11/14/13 19:12	71-43-2	
Bromochloromethane	ND	ug/kg	5.1	1.7	1		11/14/13 19:12	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1.9	1		11/14/13 19:12	75-27-4	
Bromoform	ND	ug/kg	5.1	2.4	1		11/14/13 19:12	75-25-2	
Bromomethane	ND	ug/kg	10.2	2.6	1		11/14/13 19:12	74-83-9	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-17-0-1 **Lab ID: 92179407011** Collected: 11/12/13 15:00 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
2-Butanone (MEK)	**21.3J**	ug/kg	102	3.0	1		11/14/13 19:12	78-93-3	
Carbon disulfide	ND	ug/kg	10.2	3.1	1		11/14/13 19:12	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	2.7	1		11/14/13 19:12	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1.9	1		11/14/13 19:12	108-90-7	
Chloroethane	ND	ug/kg	10.2	2.5	1		11/14/13 19:12	75-00-3	
Chloroform	ND	ug/kg	5.1	1.6	1		11/14/13 19:12	67-66-3	
Chloromethane	ND	ug/kg	10.2	2.5	1		11/14/13 19:12	74-87-3	
Cyclohexane	ND	ug/kg	5.1	1.6	1		11/14/13 19:12	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	3.7	1		11/14/13 19:12	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1.8	1		11/14/13 19:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1.8	1		11/14/13 19:12	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1.9	1		11/14/13 19:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	2.0	1		11/14/13 19:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1.7	1		11/14/13 19:12	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.2	3.7	1		11/14/13 19:12	75-71-8	IO
1,1-Dichloroethane	ND	ug/kg	5.1	1.5	1		11/14/13 19:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	2.2	1		11/14/13 19:12	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1.8	1		11/14/13 19:12	75-35-4	
cis-1,2-Dichloroethene	**4.1J**	ug/kg	5.1	1.4	1		11/14/13 19:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1.9	1		11/14/13 19:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1.7	1		11/14/13 19:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1.8	1		11/14/13 19:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1.5	1		11/14/13 19:12	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	153	123	1		11/14/13 19:12	123-91-1	
Ethylbenzene	ND	ug/kg	5.1	1.8	1		11/14/13 19:12	100-41-4	
2-Hexanone	ND	ug/kg	51.1	4.0	1		11/14/13 19:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1.9	1		11/14/13 19:12	98-82-8	
Methyl acetate	ND	ug/kg	10.2	1.4	1		11/14/13 19:12	79-20-9	
Methylcyclohexane	ND	ug/kg	10.2	1.5	1		11/14/13 19:12	108-87-2	
Methylene Chloride	ND	ug/kg	20.4	3.1	1		11/14/13 19:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	51.1	3.8	1		11/14/13 19:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1.5	1		11/14/13 19:12	1634-04-4	
Styrene	ND	ug/kg	5.1	1.8	1		11/14/13 19:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1.9	1		11/14/13 19:12	79-34-5	
Tetrachloroethene	**12.8**	ug/kg	5.1	1.7	1		11/14/13 19:12	127-18-4	
Toluene	ND	ug/kg	5.1	1.8	1		11/14/13 19:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	2.2	1		11/14/13 19:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1.6	1		11/14/13 19:12	120-82-1	
1,1,1-Trichloroethane	**19.5**	ug/kg	5.1	1.8	1		11/14/13 19:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	2.1	1		11/14/13 19:12	79-00-5	
Trichloroethene	**883**	ug/kg	278	117	50		11/15/13 18:25	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	2.2	1		11/14/13 19:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.1	1.9	1		11/14/13 19:12	76-13-1	
Vinyl chloride	ND	ug/kg	10.2	1.8	1		11/14/13 19:12	75-01-4	
m&p-Xylene	ND	ug/kg	10.2	3.7	1		11/14/13 19:12	179601-23-1	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-17-0-1 **Lab ID: 92179407011** Collected: 11/12/13 15:00 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
o-Xylene	ND	ug/kg	5.1	1.9	1		11/14/13 19:12	95-47-6	
Surrogates									
Toluene-d8 (S)	89	%	70-130		1		11/14/13 19:12	2037-26-5	
4-Bromofluorobenzene (S)	83	%	70-130		1		11/14/13 19:12	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-132		1		11/14/13 19:12	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.6**	%	0.10	0.10	1		11/20/13 14:19		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-17-9-10 **Lab ID: 92179407012** Collected: 11/12/13 15:15 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	363	187	1	11/14/13 13:30	11/18/13 17:03	98-86-2	
Atrazine	ND	ug/kg	725	143	1	11/14/13 13:30	11/18/13 17:03	1912-24-9	
Benzaldehyde	ND	ug/kg	725	363	1	11/14/13 13:30	11/18/13 17:03	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	363	114	1	11/14/13 13:30	11/18/13 17:03	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	363	65.9	1	11/14/13 13:30	11/18/13 17:03	101-55-3	
Butylbenzylphthalate	ND	ug/kg	363	76.9	1	11/14/13 13:30	11/18/13 17:03	85-68-7	
Caprolactam	ND	ug/kg	363	62.6	1	11/14/13 13:30	11/18/13 17:03	105-60-2	
Carbazole	ND	ug/kg	363	69.2	1	11/14/13 13:30	11/18/13 17:03	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	725	74.7	1	11/14/13 13:30	11/18/13 17:03	59-50-7	
4-Chloroaniline	ND	ug/kg	1810	101	1	11/14/13 13:30	11/18/13 17:03	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	363	84.6	1	11/14/13 13:30	11/18/13 17:03	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	363	92.3	1	11/14/13 13:30	11/18/13 17:03	111-44-4	
2-Chloronaphthalene	ND	ug/kg	363	71.4	1	11/14/13 13:30	11/18/13 17:03	91-58-7	
2-Chlorophenol	ND	ug/kg	363	98.9	1	11/14/13 13:30	11/18/13 17:03	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	363	74.7	1	11/14/13 13:30	11/18/13 17:03	7005-72-3	
Dibenzofuran	ND	ug/kg	363	59.3	1	11/14/13 13:30	11/18/13 17:03	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1810	79.1	1	11/14/13 13:30	11/18/13 17:03	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	363	79.1	1	11/14/13 13:30	11/18/13 17:03	120-83-2	
Diethylphthalate	ND	ug/kg	363	56.0	1	11/14/13 13:30	11/18/13 17:03	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	363	143	1	11/14/13 13:30	11/18/13 17:03	105-67-9	
Dimethylphthalate	ND	ug/kg	363	73.6	1	11/14/13 13:30	11/18/13 17:03	131-11-3	
Di-n-butylphthalate	ND	ug/kg	363	59.3	1	11/14/13 13:30	11/18/13 17:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	725	72.5	1	11/14/13 13:30	11/18/13 17:03	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1810	59.3	1	11/14/13 13:30	11/18/13 17:03	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	363	68.1	1	11/14/13 13:30	11/18/13 17:03	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	363	75.8	1	11/14/13 13:30	11/18/13 17:03	606-20-2	
Di-n-octylphthalate	ND	ug/kg	363	75.8	1	11/14/13 13:30	11/18/13 17:03	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	363	98.9	1	11/14/13 13:30	11/18/13 17:03	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	363	62.6	1	11/14/13 13:30	11/18/13 17:03	87-68-3	
Hexachlorobenzene	ND	ug/kg	363	46.1	1	11/14/13 13:30	11/18/13 17:03	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	363	67.0	1	11/14/13 13:30	11/18/13 17:03	77-47-4	
Hexachloroethane	ND	ug/kg	363	95.6	1	11/14/13 13:30	11/18/13 17:03	67-72-1	
Isophorone	ND	ug/kg	363	81.3	1	11/14/13 13:30	11/18/13 17:03	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	363	110	1	11/14/13 13:30	11/18/13 17:03	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	363	143	1	11/14/13 13:30	11/18/13 17:03		
2-Nitroaniline	ND	ug/kg	1810	112	1	11/14/13 13:30	11/18/13 17:03	88-74-4	
3-Nitroaniline	ND	ug/kg	1810	98.9	1	11/14/13 13:30	11/18/13 17:03	99-09-2	
4-Nitroaniline	ND	ug/kg	725	102	1	11/14/13 13:30	11/18/13 17:03	100-01-6	
Nitrobenzene	ND	ug/kg	363	98.9	1	11/14/13 13:30	11/18/13 17:03	98-95-3	
2-Nitrophenol	ND	ug/kg	363	87.9	1	11/14/13 13:30	11/18/13 17:03	88-75-5	
4-Nitrophenol	ND	ug/kg	1810	64.8	1	11/14/13 13:30	11/18/13 17:03	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	363	69.2	1	11/14/13 13:30	11/18/13 17:03	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	363	108	1	11/14/13 13:30	11/18/13 17:03	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	363	96.7	1	11/14/13 13:30	11/18/13 17:03	108-60-1	
Pentachlorophenol	ND	ug/kg	1810	65.9	1	11/14/13 13:30	11/18/13 17:03	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-17-9-10 **Lab ID: 92179407012** Collected: 11/12/13 15:15 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	363	109	1	11/14/13 13:30	11/18/13 17:03	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	363	132	1	11/14/13 13:30	11/18/13 17:03	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	363	143	1	11/14/13 13:30	11/18/13 17:03	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	363	112	1	11/14/13 13:30	11/18/13 17:03	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	363	80.2	1	11/14/13 13:30	11/18/13 17:03	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	37	%	30-110		1	11/14/13 13:30	11/18/13 17:03	321-60-8	
Terphenyl-d14 (S)	69	%	28-110		1	11/14/13 13:30	11/18/13 17:03	1718-51-0	
Phenol-d6 (S)	35	%	22-110		1	11/14/13 13:30	11/18/13 17:03	13127-88-3	
2-Fluorophenol (S)	39	%	13-110		1	11/14/13 13:30	11/18/13 17:03	367-12-4	
2,4,6-Tribromophenol (S)	70	%	27-110		1	11/14/13 13:30	11/18/13 17:03	118-79-6	
Nitrobenzene-d5 (S)	37	%	23-110		1	11/14/13 13:30	11/18/13 17:03	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.0	1.6	1	11/14/13 10:34	11/18/13 17:30	83-32-9	
Acenaphthylene	ND	ug/kg	11.0	1.4	1	11/14/13 10:34	11/18/13 17:30	208-96-8	
Anthracene	ND	ug/kg	11.0	1.5	1	11/14/13 10:34	11/18/13 17:30	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.0	0.78	1	11/14/13 10:34	11/18/13 17:30	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.0	1.2	1	11/14/13 10:34	11/18/13 17:30	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.0	0.74	1	11/14/13 10:34	11/18/13 17:30	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.0	2.9	1	11/14/13 10:34	11/18/13 17:30	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.0	1.6	1	11/14/13 10:34	11/18/13 17:30	207-08-9	
Chrysene	ND	ug/kg	11.0	2.0	1	11/14/13 10:34	11/18/13 17:30	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.0	2.0	1	11/14/13 10:34	11/18/13 17:30	53-70-3	
Fluoranthene	ND	ug/kg	11.0	0.91	1	11/14/13 10:34	11/18/13 17:30	206-44-0	
Fluorene	ND	ug/kg	11.0	1.8	1	11/14/13 10:34	11/18/13 17:30	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.0	3.1	1	11/14/13 10:34	11/18/13 17:30	193-39-5	
1-Methylnaphthalene	**2.0J**	ug/kg	11.0	1.3	1	11/14/13 10:34	11/18/13 17:30	90-12-0	
2-Methylnaphthalene	**2.5J**	ug/kg	11.0	1.2	1	11/14/13 10:34	11/18/13 17:30	91-57-6	
Naphthalene	ND	ug/kg	11.0	2.5	1	11/14/13 10:34	11/18/13 17:30	91-20-3	
Phenanthrene	ND	ug/kg	11.0	1.6	1	11/14/13 10:34	11/18/13 17:30	85-01-8	
Pyrene	ND	ug/kg	11.0	2.0	1	11/14/13 10:34	11/18/13 17:30	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	47	%	10-128		1	11/14/13 10:34	11/18/13 17:30	4165-60-0	
2-Fluorobiphenyl (S)	41	%	10-110		1	11/14/13 10:34	11/18/13 17:30	321-60-8	
Terphenyl-d14 (S)	63	%	39-119		1	11/14/13 10:34	11/18/13 17:30	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**195**	ug/kg	104	10.4	1		11/14/13 19:31	67-64-1	A+
Benzene	ND	ug/kg	5.2	1.7	1		11/14/13 19:31	71-43-2	
Bromochloromethane	ND	ug/kg	5.2	1.8	1		11/14/13 19:31	74-97-5	
Bromodichloromethane	ND	ug/kg	5.2	2.0	1		11/14/13 19:31	75-27-4	
Bromoform	ND	ug/kg	5.2	2.4	1		11/14/13 19:31	75-25-2	
Bromomethane	ND	ug/kg	10.4	2.6	1		11/14/13 19:31	74-83-9	
2-Butanone (MEK)	**44.6J**	ug/kg	104	3.0	1		11/14/13 19:31	78-93-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-17-9-10 **Lab ID: 92179407012** Collected: 11/12/13 15:15 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.4	3.1	1		11/14/13 19:31	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.2	2.7	1		11/14/13 19:31	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	2.0	1		11/14/13 19:31	108-90-7	
Chloroethane	ND	ug/kg	10.4	2.5	1		11/14/13 19:31	75-00-3	
Chloroform	ND	ug/kg	5.2	1.7	1		11/14/13 19:31	67-66-3	
Chloromethane	ND	ug/kg	10.4	2.5	1		11/14/13 19:31	74-87-3	
Cyclohexane	ND	ug/kg	5.2	1.7	1		11/14/13 19:31	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.2	3.7	1		11/14/13 19:31	96-12-8	
Dibromochloromethane	ND	ug/kg	5.2	1.9	1		11/14/13 19:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1.9	1		11/14/13 19:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.2	2.0	1		11/14/13 19:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	2.1	1		11/14/13 19:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1.8	1		11/14/13 19:31	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.4	3.7	1		11/14/13 19:31	75-71-8	IO
1,1-Dichloroethane	ND	ug/kg	5.2	1.6	1		11/14/13 19:31	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	2.3	1		11/14/13 19:31	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.2	1.9	1		11/14/13 19:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1.5	1		11/14/13 19:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	2.0	1		11/14/13 19:31	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1.8	1		11/14/13 19:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1.9	1		11/14/13 19:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1.6	1		11/14/13 19:31	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	156	125	1		11/14/13 19:31	123-91-1	
Ethylbenzene	ND	ug/kg	5.2	1.9	1		11/14/13 19:31	100-41-4	
2-Hexanone	ND	ug/kg	52.0	4.1	1		11/14/13 19:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	2.0	1		11/14/13 19:31	98-82-8	
Methyl acetate	ND	ug/kg	10.4	1.5	1		11/14/13 19:31	79-20-9	
Methylcyclohexane	ND	ug/kg	10.4	1.6	1		11/14/13 19:31	108-87-2	
Methylene Chloride	**4.1J**	ug/kg	20.8	3.1	1		11/14/13 19:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	52.0	3.8	1		11/14/13 19:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1.6	1		11/14/13 19:31	1634-04-4	
Styrene	ND	ug/kg	5.2	1.9	1		11/14/13 19:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	2.0	1		11/14/13 19:31	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1.8	1		11/14/13 19:31	127-18-4	
Toluene	ND	ug/kg	5.2	1.9	1		11/14/13 19:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	2.3	1		11/14/13 19:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1.7	1		11/14/13 19:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1.9	1		11/14/13 19:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	2.2	1		11/14/13 19:31	79-00-5	
Trichloroethene	**929**	ug/kg	243	102	50		11/15/13 18:44	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	2.3	1		11/14/13 19:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.2	2.0	1		11/14/13 19:31	76-13-1	
Vinyl chloride	ND	ug/kg	10.4	1.9	1		11/14/13 19:31	75-01-4	
m&p-Xylene	ND	ug/kg	10.4	3.7	1		11/14/13 19:31	179601-23-1	
o-Xylene	ND	ug/kg	5.2	2.0	1		11/14/13 19:31	95-47-6	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-17-9-10 **Lab ID: 92179407012** Collected: 11/12/13 15:15 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/14/13 19:31	2037-26-5	
4-Bromofluorobenzene (S)	85	%	70-130		1		11/14/13 19:31	460-00-4	
1,2-Dichloroethane-d4 (S)	127	%	70-132		1		11/14/13 19:31	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.0**	%	0.10	0.10	1		11/20/13 14:19		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-17-13-14 **Lab ID: 92179407013** Collected: 11/12/13 15:30 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	424	218	1	11/14/13 13:30	11/18/13 17:34	98-86-2	
Atrazine	ND	ug/kg	848	167	1	11/14/13 13:30	11/18/13 17:34	1912-24-9	
Benzaldehyde	ND	ug/kg	848	424	1	11/14/13 13:30	11/18/13 17:34	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	424	134	1	11/14/13 13:30	11/18/13 17:34	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	424	77.1	1	11/14/13 13:30	11/18/13 17:34	101-55-3	
Butylbenzylphthalate	ND	ug/kg	424	90.0	1	11/14/13 13:30	11/18/13 17:34	85-68-7	
Caprolactam	ND	ug/kg	424	73.2	1	11/14/13 13:30	11/18/13 17:34	105-60-2	
Carbazole	ND	ug/kg	424	81.0	1	11/14/13 13:30	11/18/13 17:34	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	848	87.4	1	11/14/13 13:30	11/18/13 17:34	59-50-7	
4-Chloroaniline	ND	ug/kg	2120	118	1	11/14/13 13:30	11/18/13 17:34	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	424	99.0	1	11/14/13 13:30	11/18/13 17:34	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	424	108	1	11/14/13 13:30	11/18/13 17:34	111-44-4	
2-Chloronaphthalene	ND	ug/kg	424	83.5	1	11/14/13 13:30	11/18/13 17:34	91-58-7	
2-Chlorophenol	ND	ug/kg	424	116	1	11/14/13 13:30	11/18/13 17:34	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	424	87.4	1	11/14/13 13:30	11/18/13 17:34	7005-72-3	
Dibenzofuran	ND	ug/kg	424	69.4	1	11/14/13 13:30	11/18/13 17:34	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2120	92.5	1	11/14/13 13:30	11/18/13 17:34	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	424	92.5	1	11/14/13 13:30	11/18/13 17:34	120-83-2	
Diethylphthalate	ND	ug/kg	424	65.5	1	11/14/13 13:30	11/18/13 17:34	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	424	167	1	11/14/13 13:30	11/18/13 17:34	105-67-9	
Dimethylphthalate	ND	ug/kg	424	86.1	1	11/14/13 13:30	11/18/13 17:34	131-11-3	
Di-n-butylphthalate	ND	ug/kg	424	69.4	1	11/14/13 13:30	11/18/13 17:34	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	848	84.8	1	11/14/13 13:30	11/18/13 17:34	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2120	69.4	1	11/14/13 13:30	11/18/13 17:34	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	424	79.7	1	11/14/13 13:30	11/18/13 17:34	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	424	88.7	1	11/14/13 13:30	11/18/13 17:34	606-20-2	
Di-n-octylphthalate	ND	ug/kg	424	88.7	1	11/14/13 13:30	11/18/13 17:34	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	424	116	1	11/14/13 13:30	11/18/13 17:34	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	424	73.2	1	11/14/13 13:30	11/18/13 17:34	87-68-3	
Hexachlorobenzene	ND	ug/kg	424	54.0	1	11/14/13 13:30	11/18/13 17:34	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	424	78.4	1	11/14/13 13:30	11/18/13 17:34	77-47-4	
Hexachloroethane	ND	ug/kg	424	112	1	11/14/13 13:30	11/18/13 17:34	67-72-1	
Isophorone	ND	ug/kg	424	95.1	1	11/14/13 13:30	11/18/13 17:34	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	424	129	1	11/14/13 13:30	11/18/13 17:34	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	424	167	1	11/14/13 13:30	11/18/13 17:34		
2-Nitroaniline	ND	ug/kg	2120	131	1	11/14/13 13:30	11/18/13 17:34	88-74-4	
3-Nitroaniline	ND	ug/kg	2120	116	1	11/14/13 13:30	11/18/13 17:34	99-09-2	
4-Nitroaniline	ND	ug/kg	848	120	1	11/14/13 13:30	11/18/13 17:34	100-01-6	
Nitrobenzene	ND	ug/kg	424	116	1	11/14/13 13:30	11/18/13 17:34	98-95-3	
2-Nitrophenol	ND	ug/kg	424	103	1	11/14/13 13:30	11/18/13 17:34	88-75-5	
4-Nitrophenol	ND	ug/kg	2120	75.8	1	11/14/13 13:30	11/18/13 17:34	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	424	81.0	1	11/14/13 13:30	11/18/13 17:34	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	424	126	1	11/14/13 13:30	11/18/13 17:34	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	424	113	1	11/14/13 13:30	11/18/13 17:34	108-60-1	
Pentachlorophenol	ND	ug/kg	2120	77.1	1	11/14/13 13:30	11/18/13 17:34	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-17-13-14 **Lab ID: 92179407013** Collected: 11/12/13 15:30 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	424	127	1	11/14/13 13:30	11/18/13 17:34	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	424	154	1	11/14/13 13:30	11/18/13 17:34	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	424	167	1	11/14/13 13:30	11/18/13 17:34	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	424	131	1	11/14/13 13:30	11/18/13 17:34	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	424	93.8	1	11/14/13 13:30	11/18/13 17:34	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	33	%	30-110		1	11/14/13 13:30	11/18/13 17:34	321-60-8	
Terphenyl-d14 (S)	64	%	28-110		1	11/14/13 13:30	11/18/13 17:34	1718-51-0	
Phenol-d6 (S)	33	%	22-110		1	11/14/13 13:30	11/18/13 17:34	13127-88-3	
2-Fluorophenol (S)	35	%	13-110		1	11/14/13 13:30	11/18/13 17:34	367-12-4	
2,4,6-Tribromophenol (S)	61	%	27-110		1	11/14/13 13:30	11/18/13 17:34	118-79-6	
Nitrobenzene-d5 (S)	36	%	23-110		1	11/14/13 13:30	11/18/13 17:34	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.9	1.9	1	11/14/13 10:34	11/18/13 17:50	83-32-9	
Acenaphthylene	ND	ug/kg	12.9	1.7	1	11/14/13 10:34	11/18/13 17:50	208-96-8	
Anthracene	ND	ug/kg	12.9	1.8	1	11/14/13 10:34	11/18/13 17:50	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.9	0.91	1	11/14/13 10:34	11/18/13 17:50	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.9	1.4	1	11/14/13 10:34	11/18/13 17:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.9	0.86	1	11/14/13 10:34	11/18/13 17:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.9	3.3	1	11/14/13 10:34	11/18/13 17:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.9	1.9	1	11/14/13 10:34	11/18/13 17:50	207-08-9	
Chrysene	ND	ug/kg	12.9	2.3	1	11/14/13 10:34	11/18/13 17:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.9	2.3	1	11/14/13 10:34	11/18/13 17:50	53-70-3	
Fluoranthene	ND	ug/kg	12.9	1.1	1	11/14/13 10:34	11/18/13 17:50	206-44-0	
Fluorene	ND	ug/kg	12.9	2.1	1	11/14/13 10:34	11/18/13 17:50	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.9	3.6	1	11/14/13 10:34	11/18/13 17:50	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.9	1.5	1	11/14/13 10:34	11/18/13 17:50	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.9	1.4	1	11/14/13 10:34	11/18/13 17:50	91-57-6	
Naphthalene	ND	ug/kg	12.9	3.0	1	11/14/13 10:34	11/18/13 17:50	91-20-3	
Phenanthrene	ND	ug/kg	12.9	1.9	1	11/14/13 10:34	11/18/13 17:50	85-01-8	
Pyrene	ND	ug/kg	12.9	2.3	1	11/14/13 10:34	11/18/13 17:50	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	46	%	10-128		1	11/14/13 10:34	11/18/13 17:50	4165-60-0	
2-Fluorobiphenyl (S)	41	%	10-110		1	11/14/13 10:34	11/18/13 17:50	321-60-8	
Terphenyl-d14 (S)	69	%	39-119		1	11/14/13 10:34	11/18/13 17:50	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**48.5J**	ug/kg	103	10.3	1		11/14/13 19:51	67-64-1	
Benzene	ND	ug/kg	5.1	1.6	1		11/14/13 19:51	71-43-2	
Bromochloromethane	ND	ug/kg	5.1	1.7	1		11/14/13 19:51	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	2.0	1		11/14/13 19:51	75-27-4	
Bromoform	ND	ug/kg	5.1	2.4	1		11/14/13 19:51	75-25-2	
Bromomethane	ND	ug/kg	10.3	2.6	1		11/14/13 19:51	74-83-9	
2-Butanone (MEK)	ND	ug/kg	103	3.0	1		11/14/13 19:51	78-93-3	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-17-13-14 **Lab ID: 92179407013** Collected: 11/12/13 15:30 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.3	3.1	1		11/14/13 19:51	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	2.7	1		11/14/13 19:51	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	2.0	1		11/14/13 19:51	108-90-7	
Chloroethane	ND	ug/kg	10.3	2.5	1		11/14/13 19:51	75-00-3	
Chloroform	ND	ug/kg	5.1	1.6	1		11/14/13 19:51	67-66-3	
Chloromethane	ND	ug/kg	10.3	2.5	1		11/14/13 19:51	74-87-3	
Cyclohexane	ND	ug/kg	5.1	1.6	1		11/14/13 19:51	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	3.7	1		11/14/13 19:51	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1.8	1		11/14/13 19:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1.8	1		11/14/13 19:51	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.1	2.0	1		11/14/13 19:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	2.1	1		11/14/13 19:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1.7	1		11/14/13 19:51	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.3	3.7	1		11/14/13 19:51	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1.5	1		11/14/13 19:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	2.3	1		11/14/13 19:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1.8	1		11/14/13 19:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1.4	1		11/14/13 19:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	2.0	1		11/14/13 19:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1.7	1		11/14/13 19:51	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1.8	1		11/14/13 19:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1.5	1		11/14/13 19:51	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	154	123	1		11/14/13 19:51	123-91-1	
Ethylbenzene	ND	ug/kg	5.1	1.8	1		11/14/13 19:51	100-41-4	
2-Hexanone	ND	ug/kg	51.3	4.0	1		11/14/13 19:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	2.0	1		11/14/13 19:51	98-82-8	
Methyl acetate	ND	ug/kg	10.3	1.4	1		11/14/13 19:51	79-20-9	
Methylcyclohexane	ND	ug/kg	10.3	1.5	1		11/14/13 19:51	108-87-2	
Methylene Chloride	ND	ug/kg	20.5	3.1	1		11/14/13 19:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	51.3	3.8	1		11/14/13 19:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1.5	1		11/14/13 19:51	1634-04-4	
Styrene	ND	ug/kg	5.1	1.8	1		11/14/13 19:51	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	2.0	1		11/14/13 19:51	79-34-5	
Tetrachloroethene	**2.3J**	ug/kg	5.1	1.7	1		11/14/13 19:51	127-18-4	
Toluene	ND	ug/kg	5.1	1.8	1		11/14/13 19:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	2.3	1		11/14/13 19:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1.6	1		11/14/13 19:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1.8	1		11/14/13 19:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	2.2	1		11/14/13 19:51	79-00-5	
Trichloroethene	**3110**	ug/kg	559	235	100		11/15/13 19:04	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	2.3	1		11/14/13 19:51	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.1	2.0	1		11/14/13 19:51	76-13-1	
Vinyl chloride	ND	ug/kg	10.3	1.8	1		11/14/13 19:51	75-01-4	
m&p-Xylene	ND	ug/kg	10.3	3.7	1		11/14/13 19:51	179601-23-1	
o-Xylene	ND	ug/kg	5.1	2.0	1		11/14/13 19:51	95-47-6	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-17-13-14 **Lab ID: 92179407013** Collected: 11/12/13 15:30 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	94	%	70-130		1		11/14/13 19:51	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		11/14/13 19:51	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%	70-132		1		11/14/13 19:51	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.2**	%	0.10	0.10	1		11/20/13 14:19		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-501 **Lab ID: 92179407014** Collected: 11/13/13 11:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	414	213	1	11/14/13 13:30	11/18/13 18:05	98-86-2	
Atrazine	ND	ug/kg	828	163	1	11/14/13 13:30	11/18/13 18:05	1912-24-9	
Benzaldehyde	ND	ug/kg	828	414	1	11/14/13 13:30	11/18/13 18:05	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	414	130	1	11/14/13 13:30	11/18/13 18:05	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	414	75.2	1	11/14/13 13:30	11/18/13 18:05	101-55-3	
Butylbenzylphthalate	ND	ug/kg	414	87.8	1	11/14/13 13:30	11/18/13 18:05	85-68-7	
Caprolactam	ND	ug/kg	414	71.5	1	11/14/13 13:30	11/18/13 18:05	105-60-2	
Carbazole	ND	ug/kg	414	79.0	1	11/14/13 13:30	11/18/13 18:05	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	828	85.3	1	11/14/13 13:30	11/18/13 18:05	59-50-7	
4-Chloroaniline	ND	ug/kg	2070	115	1	11/14/13 13:30	11/18/13 18:05	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	414	96.5	1	11/14/13 13:30	11/18/13 18:05	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	414	105	1	11/14/13 13:30	11/18/13 18:05	111-44-4	
2-Chloronaphthalene	ND	ug/kg	414	81.5	1	11/14/13 13:30	11/18/13 18:05	91-58-7	
2-Chlorophenol	ND	ug/kg	414	113	1	11/14/13 13:30	11/18/13 18:05	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	414	85.3	1	11/14/13 13:30	11/18/13 18:05	7005-72-3	
Dibenzofuran	ND	ug/kg	414	67.7	1	11/14/13 13:30	11/18/13 18:05	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2070	90.3	1	11/14/13 13:30	11/18/13 18:05	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	414	90.3	1	11/14/13 13:30	11/18/13 18:05	120-83-2	
Diethylphthalate	ND	ug/kg	414	63.9	1	11/14/13 13:30	11/18/13 18:05	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	414	163	1	11/14/13 13:30	11/18/13 18:05	105-67-9	
Dimethylphthalate	ND	ug/kg	414	84.0	1	11/14/13 13:30	11/18/13 18:05	131-11-3	
Di-n-butylphthalate	ND	ug/kg	414	67.7	1	11/14/13 13:30	11/18/13 18:05	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	828	82.8	1	11/14/13 13:30	11/18/13 18:05	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2070	67.7	1	11/14/13 13:30	11/18/13 18:05	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	414	77.7	1	11/14/13 13:30	11/18/13 18:05	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	414	86.5	1	11/14/13 13:30	11/18/13 18:05	606-20-2	
Di-n-octylphthalate	ND	ug/kg	414	86.5	1	11/14/13 13:30	11/18/13 18:05	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	414	113	1	11/14/13 13:30	11/18/13 18:05	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	414	71.5	1	11/14/13 13:30	11/18/13 18:05	87-68-3	
Hexachlorobenzene	ND	ug/kg	414	52.7	1	11/14/13 13:30	11/18/13 18:05	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	414	76.5	1	11/14/13 13:30	11/18/13 18:05	77-47-4	
Hexachloroethane	ND	ug/kg	414	109	1	11/14/13 13:30	11/18/13 18:05	67-72-1	
Isophorone	ND	ug/kg	414	92.8	1	11/14/13 13:30	11/18/13 18:05	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	414	125	1	11/14/13 13:30	11/18/13 18:05	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	414	163	1	11/14/13 13:30	11/18/13 18:05		
2-Nitroaniline	ND	ug/kg	2070	128	1	11/14/13 13:30	11/18/13 18:05	88-74-4	
3-Nitroaniline	ND	ug/kg	2070	113	1	11/14/13 13:30	11/18/13 18:05	99-09-2	
4-Nitroaniline	ND	ug/kg	828	117	1	11/14/13 13:30	11/18/13 18:05	100-01-6	
Nitrobenzene	ND	ug/kg	414	113	1	11/14/13 13:30	11/18/13 18:05	98-95-3	
2-Nitrophenol	ND	ug/kg	414	100	1	11/14/13 13:30	11/18/13 18:05	88-75-5	
4-Nitrophenol	ND	ug/kg	2070	74.0	1	11/14/13 13:30	11/18/13 18:05	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	414	79.0	1	11/14/13 13:30	11/18/13 18:05	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	414	123	1	11/14/13 13:30	11/18/13 18:05	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	414	110	1	11/14/13 13:30	11/18/13 18:05	108-60-1	
Pentachlorophenol	ND	ug/kg	2070	75.2	1	11/14/13 13:30	11/18/13 18:05	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-501 **Lab ID: 92179407014** Collected: 11/13/13 11:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	414	124	1	11/14/13 13:30	11/18/13 18:05	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	414	150	1	11/14/13 13:30	11/18/13 18:05	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	414	163	1	11/14/13 13:30	11/18/13 18:05	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	414	128	1	11/14/13 13:30	11/18/13 18:05	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	414	91.5	1	11/14/13 13:30	11/18/13 18:05	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	46	%	30-110		1	11/14/13 13:30	11/18/13 18:05	321-60-8	
Terphenyl-d14 (S)	66	%	28-110		1	11/14/13 13:30	11/18/13 18:05	1718-51-0	
Phenol-d6 (S)	39	%	22-110		1	11/14/13 13:30	11/18/13 18:05	13127-88-3	
2-Fluorophenol (S)	39	%	13-110		1	11/14/13 13:30	11/18/13 18:05	367-12-4	
2,4,6-Tribromophenol (S)	45	%	27-110		1	11/14/13 13:30	11/18/13 18:05	118-79-6	
Nitrobenzene-d5 (S)	45	%	23-110		1	11/14/13 13:30	11/18/13 18:05	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.5	1.9	1	11/14/13 10:34	11/18/13 18:10	83-32-9	
Acenaphthylene	ND	ug/kg	12.5	1.6	1	11/14/13 10:34	11/18/13 18:10	208-96-8	
Anthracene	ND	ug/kg	12.5	1.8	1	11/14/13 10:34	11/18/13 18:10	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.5	0.89	1	11/14/13 10:34	11/18/13 18:10	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.5	1.4	1	11/14/13 10:34	11/18/13 18:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.5	0.84	1	11/14/13 10:34	11/18/13 18:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.5	3.3	1	11/14/13 10:34	11/18/13 18:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.5	1.9	1	11/14/13 10:34	11/18/13 18:10	207-08-9	
Chrysene	ND	ug/kg	12.5	2.3	1	11/14/13 10:34	11/18/13 18:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.5	2.3	1	11/14/13 10:34	11/18/13 18:10	53-70-3	
Fluoranthene	ND	ug/kg	12.5	1.0	1	11/14/13 10:34	11/18/13 18:10	206-44-0	
Fluorene	ND	ug/kg	12.5	2.0	1	11/14/13 10:34	11/18/13 18:10	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.5	3.5	1	11/14/13 10:34	11/18/13 18:10	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.5	1.5	1	11/14/13 10:34	11/18/13 18:10	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.5	1.4	1	11/14/13 10:34	11/18/13 18:10	91-57-6	
Naphthalene	ND	ug/kg	12.5	2.9	1	11/14/13 10:34	11/18/13 18:10	91-20-3	
Phenanthrene	ND	ug/kg	12.5	1.9	1	11/14/13 10:34	11/18/13 18:10	85-01-8	
Pyrene	ND	ug/kg	12.5	2.3	1	11/14/13 10:34	11/18/13 18:10	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	51	%	10-128		1	11/14/13 10:34	11/18/13 18:10	4165-60-0	
2-Fluorobiphenyl (S)	48	%	10-110		1	11/14/13 10:34	11/18/13 18:10	321-60-8	
Terphenyl-d14 (S)	73	%	39-119		1	11/14/13 10:34	11/18/13 18:10	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**394**	ug/kg	105	10.5	1		11/14/13 20:11	67-64-1	
Benzene	ND	ug/kg	5.3	1.7	1		11/14/13 20:11	71-43-2	
Bromochloromethane	ND	ug/kg	5.3	1.8	1		11/14/13 20:11	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	2.0	1		11/14/13 20:11	75-27-4	
Bromoform	ND	ug/kg	5.3	2.4	1		11/14/13 20:11	75-25-2	
Bromomethane	ND	ug/kg	10.5	2.6	1		11/14/13 20:11	74-83-9	
2-Butanone (MEK)	**18.4J**	ug/kg	105	3.0	1		11/14/13 20:11	78-93-3	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-501 **Lab ID: 92179407014** Collected: 11/13/13 11:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.5	3.2	1		11/14/13 20:11	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	2.7	1		11/14/13 20:11	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	2.0	1		11/14/13 20:11	108-90-7	
Chloroethane	ND	ug/kg	10.5	2.5	1		11/14/13 20:11	75-00-3	
Chloroform	ND	ug/kg	5.3	1.7	1		11/14/13 20:11	67-66-3	
Chloromethane	ND	ug/kg	10.5	2.5	1		11/14/13 20:11	74-87-3	
Cyclohexane	ND	ug/kg	5.3	1.7	1		11/14/13 20:11	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	3.8	1		11/14/13 20:11	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1.9	1		11/14/13 20:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1.9	1		11/14/13 20:11	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.3	2.0	1		11/14/13 20:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	2.1	1		11/14/13 20:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1.8	1		11/14/13 20:11	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.5	3.8	1		11/14/13 20:11	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1.6	1		11/14/13 20:11	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	2.3	1		11/14/13 20:11	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1.9	1		11/14/13 20:11	75-35-4	
cis-1,2-Dichloroethene	**18.0**	ug/kg	5.3	1.5	1		11/14/13 20:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	2.0	1		11/14/13 20:11	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1.8	1		11/14/13 20:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1.9	1		11/14/13 20:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1.6	1		11/14/13 20:11	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	158	126	1		11/14/13 20:11	123-91-1	
Ethylbenzene	ND	ug/kg	5.3	1.9	1		11/14/13 20:11	100-41-4	
2-Hexanone	ND	ug/kg	52.5	4.1	1		11/14/13 20:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	2.0	1		11/14/13 20:11	98-82-8	
Methyl acetate	ND	ug/kg	10.5	1.5	1		11/14/13 20:11	79-20-9	
Methylcyclohexane	ND	ug/kg	10.5	1.6	1		11/14/13 20:11	108-87-2	
Methylene Chloride	ND	ug/kg	21.0	3.2	1		11/14/13 20:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	52.5	3.9	1		11/14/13 20:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1.6	1		11/14/13 20:11	1634-04-4	
Styrene	ND	ug/kg	5.3	1.9	1		11/14/13 20:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	2.0	1		11/14/13 20:11	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1.8	1		11/14/13 20:11	127-18-4	
Toluene	ND	ug/kg	5.3	1.9	1		11/14/13 20:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	2.3	1		11/14/13 20:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1.7	1		11/14/13 20:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1.9	1		11/14/13 20:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	2.2	1		11/14/13 20:11	79-00-5	
Trichloroethene	**361**	ug/kg	133	55.7	25		11/15/13 19:24	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	2.3	1		11/14/13 20:11	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.3	2.0	1		11/14/13 20:11	76-13-1	
Vinyl chloride	ND	ug/kg	10.5	1.9	1		11/14/13 20:11	75-01-4	
m&p-Xylene	ND	ug/kg	10.5	3.8	1		11/14/13 20:11	179601-23-1	
o-Xylene	ND	ug/kg	5.3	2.0	1		11/14/13 20:11	95-47-6	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-501 **Lab ID: 92179407014** Collected: 11/13/13 11:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/14/13 20:11	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		11/14/13 20:11	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-132		1		11/14/13 20:11	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.2**	%	0.10	0.10	1		11/20/13 14:20		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-19-2-3 **Lab ID: 92179407015** Collected: 11/13/13 10:15 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	351	181	1	11/14/13 13:30	11/18/13 18:36	98-86-2	
Atrazine	ND	ug/kg	702	138	1	11/14/13 13:30	11/18/13 18:36	1912-24-9	
Benzaldehyde	ND	ug/kg	702	351	1	11/14/13 13:30	11/18/13 18:36	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	351	111	1	11/14/13 13:30	11/18/13 18:36	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	351	63.8	1	11/14/13 13:30	11/18/13 18:36	101-55-3	
Butylbenzylphthalate	ND	ug/kg	351	74.5	1	11/14/13 13:30	11/18/13 18:36	85-68-7	
Caprolactam	ND	ug/kg	351	60.6	1	11/14/13 13:30	11/18/13 18:36	105-60-2	
Carbazole	ND	ug/kg	351	67.0	1	11/14/13 13:30	11/18/13 18:36	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	702	72.3	1	11/14/13 13:30	11/18/13 18:36	59-50-7	
4-Chloroaniline	ND	ug/kg	1760	97.9	1	11/14/13 13:30	11/18/13 18:36	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	351	81.9	1	11/14/13 13:30	11/18/13 18:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	351	89.3	1	11/14/13 13:30	11/18/13 18:36	111-44-4	
2-Chloronaphthalene	ND	ug/kg	351	69.1	1	11/14/13 13:30	11/18/13 18:36	91-58-7	
2-Chlorophenol	ND	ug/kg	351	95.7	1	11/14/13 13:30	11/18/13 18:36	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	351	72.3	1	11/14/13 13:30	11/18/13 18:36	7005-72-3	
Dibenzofuran	ND	ug/kg	351	57.4	1	11/14/13 13:30	11/18/13 18:36	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1760	76.6	1	11/14/13 13:30	11/18/13 18:36	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	351	76.6	1	11/14/13 13:30	11/18/13 18:36	120-83-2	
Diethylphthalate	ND	ug/kg	351	54.2	1	11/14/13 13:30	11/18/13 18:36	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	351	138	1	11/14/13 13:30	11/18/13 18:36	105-67-9	
Dimethylphthalate	ND	ug/kg	351	71.3	1	11/14/13 13:30	11/18/13 18:36	131-11-3	
Di-n-butylphthalate	ND	ug/kg	351	57.4	1	11/14/13 13:30	11/18/13 18:36	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	702	70.2	1	11/14/13 13:30	11/18/13 18:36	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1760	57.4	1	11/14/13 13:30	11/18/13 18:36	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	351	65.9	1	11/14/13 13:30	11/18/13 18:36	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	351	73.4	1	11/14/13 13:30	11/18/13 18:36	606-20-2	
Di-n-octylphthalate	ND	ug/kg	351	73.4	1	11/14/13 13:30	11/18/13 18:36	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	351	95.7	1	11/14/13 13:30	11/18/13 18:36	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	351	60.6	1	11/14/13 13:30	11/18/13 18:36	87-68-3	
Hexachlorobenzene	ND	ug/kg	351	44.7	1	11/14/13 13:30	11/18/13 18:36	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	351	64.9	1	11/14/13 13:30	11/18/13 18:36	77-47-4	
Hexachloroethane	ND	ug/kg	351	92.5	1	11/14/13 13:30	11/18/13 18:36	67-72-1	
Isophorone	ND	ug/kg	351	78.7	1	11/14/13 13:30	11/18/13 18:36	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	351	106	1	11/14/13 13:30	11/18/13 18:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	351	138	1	11/14/13 13:30	11/18/13 18:36		
2-Nitroaniline	ND	ug/kg	1760	108	1	11/14/13 13:30	11/18/13 18:36	88-74-4	
3-Nitroaniline	ND	ug/kg	1760	95.7	1	11/14/13 13:30	11/18/13 18:36	99-09-2	
4-Nitroaniline	ND	ug/kg	702	98.9	1	11/14/13 13:30	11/18/13 18:36	100-01-6	
Nitrobenzene	ND	ug/kg	351	95.7	1	11/14/13 13:30	11/18/13 18:36	98-95-3	
2-Nitrophenol	ND	ug/kg	351	85.1	1	11/14/13 13:30	11/18/13 18:36	88-75-5	
4-Nitrophenol	ND	ug/kg	1760	62.8	1	11/14/13 13:30	11/18/13 18:36	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	351	67.0	1	11/14/13 13:30	11/18/13 18:36	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	351	104	1	11/14/13 13:30	11/18/13 18:36	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	351	93.6	1	11/14/13 13:30	11/18/13 18:36	108-60-1	
Pentachlorophenol	ND	ug/kg	1760	63.8	1	11/14/13 13:30	11/18/13 18:36	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-19-2-3 **Lab ID: 92179407015** Collected: 11/13/13 10:15 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	351	105	1	11/14/13 13:30	11/18/13 18:36	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	351	128	1	11/14/13 13:30	11/18/13 18:36	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	351	138	1	11/14/13 13:30	11/18/13 18:36	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	351	108	1	11/14/13 13:30	11/18/13 18:36	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	351	77.6	1	11/14/13 13:30	11/18/13 18:36	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	64	%	30-110		1	11/14/13 13:30	11/18/13 18:36	321-60-8	
Terphenyl-d14 (S)	80	%	28-110		1	11/14/13 13:30	11/18/13 18:36	1718-51-0	
Phenol-d6 (S)	55	%	22-110		1	11/14/13 13:30	11/18/13 18:36	13127-88-3	
2-Fluorophenol (S)	60	%	13-110		1	11/14/13 13:30	11/18/13 18:36	367-12-4	
2,4,6-Tribromophenol (S)	68	%	27-110		1	11/14/13 13:30	11/18/13 18:36	118-79-6	
Nitrobenzene-d5 (S)	60	%	23-110		1	11/14/13 13:30	11/18/13 18:36	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	10.6	1.6	1	11/14/13 10:34	11/18/13 18:31	83-32-9	
Acenaphthylene	ND	ug/kg	10.6	1.4	1	11/14/13 10:34	11/18/13 18:31	208-96-8	
Anthracene	ND	ug/kg	10.6	1.5	1	11/14/13 10:34	11/18/13 18:31	120-12-7	
Benzo(a)anthracene	ND	ug/kg	10.6	0.76	1	11/14/13 10:34	11/18/13 18:31	56-55-3	
Benzo(a)pyrene	ND	ug/kg	10.6	1.2	1	11/14/13 10:34	11/18/13 18:31	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	10.6	0.71	1	11/14/13 10:34	11/18/13 18:31	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	10.6	2.8	1	11/14/13 10:34	11/18/13 18:31	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	10.6	1.6	1	11/14/13 10:34	11/18/13 18:31	207-08-9	
Chrysene	ND	ug/kg	10.6	1.9	1	11/14/13 10:34	11/18/13 18:31	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	10.6	1.9	1	11/14/13 10:34	11/18/13 18:31	53-70-3	
Fluoranthene	ND	ug/kg	10.6	0.88	1	11/14/13 10:34	11/18/13 18:31	206-44-0	
Fluorene	ND	ug/kg	10.6	1.7	1	11/14/13 10:34	11/18/13 18:31	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	10.6	3.0	1	11/14/13 10:34	11/18/13 18:31	193-39-5	
1-Methylnaphthalene	ND	ug/kg	10.6	1.3	1	11/14/13 10:34	11/18/13 18:31	90-12-0	
2-Methylnaphthalene	ND	ug/kg	10.6	1.2	1	11/14/13 10:34	11/18/13 18:31	91-57-6	
Naphthalene	ND	ug/kg	10.6	2.4	1	11/14/13 10:34	11/18/13 18:31	91-20-3	
Phenanthrene	ND	ug/kg	10.6	1.6	1	11/14/13 10:34	11/18/13 18:31	85-01-8	
Pyrene	ND	ug/kg	10.6	1.9	1	11/14/13 10:34	11/18/13 18:31	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	66	%	10-128		1	11/14/13 10:34	11/18/13 18:31	4165-60-0	
2-Fluorobiphenyl (S)	62	%	10-110		1	11/14/13 10:34	11/18/13 18:31	321-60-8	
Terphenyl-d14 (S)	75	%	39-119		1	11/14/13 10:34	11/18/13 18:31	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**88.4J**	ug/kg	116	11.6	1		11/14/13 20:30	67-64-1	
Benzene	ND	ug/kg	5.8	1.9	1		11/14/13 20:30	71-43-2	
Bromochloromethane	ND	ug/kg	5.8	2.0	1		11/14/13 20:30	74-97-5	
Bromodichloromethane	ND	ug/kg	5.8	2.2	1		11/14/13 20:30	75-27-4	
Bromoform	ND	ug/kg	5.8	2.7	1		11/14/13 20:30	75-25-2	
Bromomethane	ND	ug/kg	11.6	2.9	1		11/14/13 20:30	74-83-9	
2-Butanone (MEK)	ND	ug/kg	116	3.4	1		11/14/13 20:30	78-93-3	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-19-2-3 **Lab ID: 92179407015** Collected: 11/13/13 10:15 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	11.6	3.5	1		11/14/13 20:30	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.8	3.0	1		11/14/13 20:30	56-23-5	
Chlorobenzene	ND	ug/kg	5.8	2.2	1		11/14/13 20:30	108-90-7	
Chloroethane	ND	ug/kg	11.6	2.8	1		11/14/13 20:30	75-00-3	
Chloroform	ND	ug/kg	5.8	1.9	1		11/14/13 20:30	67-66-3	
Chloromethane	ND	ug/kg	11.6	2.8	1		11/14/13 20:30	74-87-3	
Cyclohexane	ND	ug/kg	5.8	1.9	1		11/14/13 20:30	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.8	4.2	1		11/14/13 20:30	96-12-8	
Dibromochloromethane	ND	ug/kg	5.8	2.1	1		11/14/13 20:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.8	2.1	1		11/14/13 20:30	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.8	2.2	1		11/14/13 20:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.8	2.3	1		11/14/13 20:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.8	2.0	1		11/14/13 20:30	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.6	4.2	1		11/14/13 20:30	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.8	1.7	1		11/14/13 20:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.8	2.5	1		11/14/13 20:30	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.8	2.1	1		11/14/13 20:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.8	1.6	1		11/14/13 20:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.8	2.2	1		11/14/13 20:30	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.8	2.0	1		11/14/13 20:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.8	2.1	1		11/14/13 20:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.8	1.7	1		11/14/13 20:30	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	174	139	1		11/14/13 20:30	123-91-1	
Ethylbenzene	ND	ug/kg	5.8	2.1	1		11/14/13 20:30	100-41-4	
2-Hexanone	ND	ug/kg	57.9	4.5	1		11/14/13 20:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.8	2.2	1		11/14/13 20:30	98-82-8	
Methyl acetate	ND	ug/kg	11.6	1.6	1		11/14/13 20:30	79-20-9	
Methylcyclohexane	ND	ug/kg	11.6	1.7	1		11/14/13 20:30	108-87-2	
Methylene Chloride	ND	ug/kg	23.2	3.5	1		11/14/13 20:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	57.9	4.3	1		11/14/13 20:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.8	1.7	1		11/14/13 20:30	1634-04-4	
Styrene	ND	ug/kg	5.8	2.1	1		11/14/13 20:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.8	2.2	1		11/14/13 20:30	79-34-5	
Tetrachloroethene	ND	ug/kg	5.8	2.0	1		11/14/13 20:30	127-18-4	
Toluene	ND	ug/kg	5.8	2.1	1		11/14/13 20:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.8	2.5	1		11/14/13 20:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.8	1.9	1		11/14/13 20:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.8	2.1	1		11/14/13 20:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.8	2.4	1		11/14/13 20:30	79-00-5	
Trichloroethene	**7.5**	ug/kg	5.8	2.4	1		11/14/13 20:30	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.8	2.5	1		11/14/13 20:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.8	2.2	1		11/14/13 20:30	76-13-1	
Vinyl chloride	ND	ug/kg	11.6	2.1	1		11/14/13 20:30	75-01-4	
m&p-Xylene	ND	ug/kg	11.6	4.2	1		11/14/13 20:30	179601-23-1	
o-Xylene	ND	ug/kg	5.8	2.2	1		11/14/13 20:30	95-47-6	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-19-2-3 **Lab ID: 92179407015** Collected: 11/13/13 10:15 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/14/13 20:30	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		11/14/13 20:30	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-132		1		11/14/13 20:30	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.0**	%	0.10	0.10	1		11/20/13 14:20		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-19-8-10 **Lab ID: 92179407016** Collected: 11/13/13 10:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	382	197	1	11/14/13 13:30	11/19/13 12:24	98-86-2	
Atrazine	ND	ug/kg	764	151	1	11/14/13 13:30	11/19/13 12:24	1912-24-9	
Benzaldehyde	ND	ug/kg	764	382	1	11/14/13 13:30	11/19/13 12:24	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	382	120	1	11/14/13 13:30	11/19/13 12:24	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	382	69.5	1	11/14/13 13:30	11/19/13 12:24	101-55-3	
Butylbenzylphthalate	ND	ug/kg	382	81.0	1	11/14/13 13:30	11/19/13 12:24	85-68-7	
Caprolactam	ND	ug/kg	382	66.0	1	11/14/13 13:30	11/19/13 12:24	105-60-2	
Carbazole	ND	ug/kg	382	72.9	1	11/14/13 13:30	11/19/13 12:24	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	764	78.7	1	11/14/13 13:30	11/19/13 12:24	59-50-7	
4-Chloroaniline	ND	ug/kg	1910	107	1	11/14/13 13:30	11/19/13 12:24	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	382	89.2	1	11/14/13 13:30	11/19/13 12:24	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	382	97.3	1	11/14/13 13:30	11/19/13 12:24	111-44-4	
2-Chloronaphthalene	ND	ug/kg	382	75.3	1	11/14/13 13:30	11/19/13 12:24	91-58-7	
2-Chlorophenol	ND	ug/kg	382	104	1	11/14/13 13:30	11/19/13 12:24	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	382	78.7	1	11/14/13 13:30	11/19/13 12:24	7005-72-3	
Dibenzofuran	ND	ug/kg	382	62.5	1	11/14/13 13:30	11/19/13 12:24	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1910	83.4	1	11/14/13 13:30	11/19/13 12:24	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	382	83.4	1	11/14/13 13:30	11/19/13 12:24	120-83-2	
Diethylphthalate	ND	ug/kg	382	59.0	1	11/14/13 13:30	11/19/13 12:24	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	382	151	1	11/14/13 13:30	11/19/13 12:24	105-67-9	
Dimethylphthalate	ND	ug/kg	382	77.6	1	11/14/13 13:30	11/19/13 12:24	131-11-3	
Di-n-butylphthalate	ND	ug/kg	382	62.5	1	11/14/13 13:30	11/19/13 12:24	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	764	76.4	1	11/14/13 13:30	11/19/13 12:24	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1910	62.5	1	11/14/13 13:30	11/19/13 12:24	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	382	71.8	1	11/14/13 13:30	11/19/13 12:24	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	382	79.9	1	11/14/13 13:30	11/19/13 12:24	606-20-2	
Di-n-octylphthalate	ND	ug/kg	382	79.9	1	11/14/13 13:30	11/19/13 12:24	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	382	104	1	11/14/13 13:30	11/19/13 12:24	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	382	66.0	1	11/14/13 13:30	11/19/13 12:24	87-68-3	
Hexachlorobenzene	ND	ug/kg	382	48.6	1	11/14/13 13:30	11/19/13 12:24	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	382	70.6	1	11/14/13 13:30	11/19/13 12:24	77-47-4	
Hexachloroethane	ND	ug/kg	382	101	1	11/14/13 13:30	11/19/13 12:24	67-72-1	
Isophorone	ND	ug/kg	382	85.7	1	11/14/13 13:30	11/19/13 12:24	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	382	116	1	11/14/13 13:30	11/19/13 12:24	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	382	151	1	11/14/13 13:30	11/19/13 12:24		
2-Nitroaniline	ND	ug/kg	1910	118	1	11/14/13 13:30	11/19/13 12:24	88-74-4	
3-Nitroaniline	ND	ug/kg	1910	104	1	11/14/13 13:30	11/19/13 12:24	99-09-2	
4-Nitroaniline	ND	ug/kg	764	108	1	11/14/13 13:30	11/19/13 12:24	100-01-6	
Nitrobenzene	ND	ug/kg	382	104	1	11/14/13 13:30	11/19/13 12:24	98-95-3	
2-Nitrophenol	ND	ug/kg	382	92.6	1	11/14/13 13:30	11/19/13 12:24	88-75-5	
4-Nitrophenol	ND	ug/kg	1910	68.3	1	11/14/13 13:30	11/19/13 12:24	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	382	72.9	1	11/14/13 13:30	11/19/13 12:24	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	382	113	1	11/14/13 13:30	11/19/13 12:24	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	382	102	1	11/14/13 13:30	11/19/13 12:24	108-60-1	
Pentachlorophenol	ND	ug/kg	1910	69.5	1	11/14/13 13:30	11/19/13 12:24	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-19-8-10 **Lab ID: 92179407016** Collected: 11/13/13 10:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	382	115	1	11/14/13 13:30	11/19/13 12:24	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	382	139	1	11/14/13 13:30	11/19/13 12:24	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	382	151	1	11/14/13 13:30	11/19/13 12:24	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	382	118	1	11/14/13 13:30	11/19/13 12:24	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	382	84.5	1	11/14/13 13:30	11/19/13 12:24	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	52	%	30-110		1	11/14/13 13:30	11/19/13 12:24	321-60-8	
Terphenyl-d14 (S)	69	%	28-110		1	11/14/13 13:30	11/19/13 12:24	1718-51-0	
Phenol-d6 (S)	47	%	22-110		1	11/14/13 13:30	11/19/13 12:24	13127-88-3	
2-Fluorophenol (S)	51	%	13-110		1	11/14/13 13:30	11/19/13 12:24	367-12-4	
2,4,6-Tribromophenol (S)	69	%	27-110		1	11/14/13 13:30	11/19/13 12:24	118-79-6	
Nitrobenzene-d5 (S)	53	%	23-110		1	11/14/13 13:30	11/19/13 12:24	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.6	1.7	1	11/14/13 10:34	11/18/13 18:51	83-32-9	
Acenaphthylene	ND	ug/kg	11.6	1.5	1	11/14/13 10:34	11/18/13 18:51	208-96-8	
Anthracene	ND	ug/kg	11.6	1.6	1	11/14/13 10:34	11/18/13 18:51	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.6	0.82	1	11/14/13 10:34	11/18/13 18:51	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.6	1.3	1	11/14/13 10:34	11/18/13 18:51	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.6	0.78	1	11/14/13 10:34	11/18/13 18:51	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.6	3.0	1	11/14/13 10:34	11/18/13 18:51	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.6	1.7	1	11/14/13 10:34	11/18/13 18:51	207-08-9	
Chrysene	ND	ug/kg	11.6	2.1	1	11/14/13 10:34	11/18/13 18:51	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.6	2.1	1	11/14/13 10:34	11/18/13 18:51	53-70-3	
Fluoranthene	ND	ug/kg	11.6	0.96	1	11/14/13 10:34	11/18/13 18:51	206-44-0	
Fluorene	ND	ug/kg	11.6	1.9	1	11/14/13 10:34	11/18/13 18:51	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.6	3.2	1	11/14/13 10:34	11/18/13 18:51	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.6	1.4	1	11/14/13 10:34	11/18/13 18:51	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.6	1.3	1	11/14/13 10:34	11/18/13 18:51	91-57-6	
Naphthalene	ND	ug/kg	11.6	2.7	1	11/14/13 10:34	11/18/13 18:51	91-20-3	
Phenanthrene	ND	ug/kg	11.6	1.7	1	11/14/13 10:34	11/18/13 18:51	85-01-8	
Pyrene	ND	ug/kg	11.6	2.1	1	11/14/13 10:34	11/18/13 18:51	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	45	%	10-128		1	11/14/13 10:34	11/18/13 18:51	4165-60-0	
2-Fluorobiphenyl (S)	46	%	10-110		1	11/14/13 10:34	11/18/13 18:51	321-60-8	
Terphenyl-d14 (S)	66	%	39-119		1	11/14/13 10:34	11/18/13 18:51	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**339**	ug/kg	101	10.1	1		11/18/13 13:08	67-64-1	
Benzene	ND	ug/kg	5.0	1.6	1		11/18/13 13:08	71-43-2	
Bromochloromethane	ND	ug/kg	5.0	1.7	1		11/18/13 13:08	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1.9	1		11/18/13 13:08	75-27-4	
Bromoform	ND	ug/kg	5.0	2.3	1		11/18/13 13:08	75-25-2	
Bromomethane	ND	ug/kg	10.1	2.5	1		11/18/13 13:08	74-83-9	
2-Butanone (MEK)	**64.0J**	ug/kg	101	2.9	1		11/18/13 13:08	78-93-3	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-19-8-10 **Lab ID: 92179407016** Collected: 11/13/13 10:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.1	3.0	1		11/18/13 13:08	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	2.6	1		11/18/13 13:08	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1.9	1		11/18/13 13:08	108-90-7	
Chloroethane	ND	ug/kg	10.1	2.4	1		11/18/13 13:08	75-00-3	
Chloroform	ND	ug/kg	5.0	1.6	1		11/18/13 13:08	67-66-3	
Chloromethane	ND	ug/kg	10.1	2.4	1		11/18/13 13:08	74-87-3	
Cyclohexane	ND	ug/kg	5.0	1.6	1		11/18/13 13:08	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	3.6	1		11/18/13 13:08	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1.8	1		11/18/13 13:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1.8	1		11/18/13 13:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1.9	1		11/18/13 13:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	2.0	1		11/18/13 13:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1.7	1		11/18/13 13:08	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.1	3.6	1		11/18/13 13:08	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1.5	1		11/18/13 13:08	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	2.2	1		11/18/13 13:08	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1.8	1		11/18/13 13:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1.4	1		11/18/13 13:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1.9	1		11/18/13 13:08	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1.7	1		11/18/13 13:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1.8	1		11/18/13 13:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1.5	1		11/18/13 13:08	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	151	121	1		11/18/13 13:08	123-91-1	
Ethylbenzene	ND	ug/kg	5.0	1.8	1		11/18/13 13:08	100-41-4	
2-Hexanone	ND	ug/kg	50.3	3.9	1		11/18/13 13:08	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1.9	1		11/18/13 13:08	98-82-8	
Methyl acetate	**4.1J**	ug/kg	10.1	1.4	1		11/18/13 13:08	79-20-9	
Methylcyclohexane	ND	ug/kg	10.1	1.5	1		11/18/13 13:08	108-87-2	
Methylene Chloride	**6.3J**	ug/kg	20.1	3.0	1		11/18/13 13:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.3	3.7	1		11/18/13 13:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1.5	1		11/18/13 13:08	1634-04-4	
Styrene	ND	ug/kg	5.0	1.8	1		11/18/13 13:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1.9	1		11/18/13 13:08	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1.7	1		11/18/13 13:08	127-18-4	
Toluene	ND	ug/kg	5.0	1.8	1		11/18/13 13:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	2.2	1		11/18/13 13:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1.6	1		11/18/13 13:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1.8	1		11/18/13 13:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	2.1	1		11/18/13 13:08	79-00-5	
Trichloroethene	**11.4**	ug/kg	5.0	2.1	1		11/18/13 13:08	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	2.2	1		11/18/13 13:08	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.0	1.9	1		11/18/13 13:08	76-13-1	
Vinyl chloride	ND	ug/kg	10.1	1.8	1		11/18/13 13:08	75-01-4	
m&p-Xylene	ND	ug/kg	10.1	3.6	1		11/18/13 13:08	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1.9	1		11/18/13 13:08	95-47-6	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-19-8-10 **Lab ID: 92179407016** Collected: 11/13/13 10:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		11/18/13 13:08	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		11/18/13 13:08	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-132		1		11/18/13 13:08	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.6**	%	0.10	0.10	1		11/20/13 14:20		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-19-14-15 **Lab ID: 92179407017** Collected: 11/13/13 10:40 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	20700	10600	10	11/14/13 13:30	11/19/13 21:21	98-86-2	
Atrazine	ND	ug/kg	41300	8140	10	11/14/13 13:30	11/19/13 21:21	1912-24-9	
Benzaldehyde	ND	ug/kg	41300	20700	10	11/14/13 13:30	11/19/13 21:21	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	20700	6510	10	11/14/13 13:30	11/19/13 21:21	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	20700	3760	10	11/14/13 13:30	11/19/13 21:21	101-55-3	
Butylbenzylphthalate	ND	ug/kg	20700	4380	10	11/14/13 13:30	11/19/13 21:21	85-68-7	
Caprolactam	ND	ug/kg	20700	3570	10	11/14/13 13:30	11/19/13 21:21	105-60-2	
Carbazole	ND	ug/kg	20700	3940	10	11/14/13 13:30	11/19/13 21:21	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	41300	4260	10	11/14/13 13:30	11/19/13 21:21	59-50-7	
4-Chloroaniline	ND	ug/kg	103000	5760	10	11/14/13 13:30	11/19/13 21:21	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	20700	4820	10	11/14/13 13:30	11/19/13 21:21	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	20700	5260	10	11/14/13 13:30	11/19/13 21:21	111-44-4	
2-Chloronaphthalene	ND	ug/kg	20700	4070	10	11/14/13 13:30	11/19/13 21:21	91-58-7	
2-Chlorophenol	ND	ug/kg	20700	5640	10	11/14/13 13:30	11/19/13 21:21	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	20700	4260	10	11/14/13 13:30	11/19/13 21:21	7005-72-3	
Dibenzofuran	ND	ug/kg	20700	3380	10	11/14/13 13:30	11/19/13 21:21	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	103000	4510	10	11/14/13 13:30	11/19/13 21:21	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	20700	4510	10	11/14/13 13:30	11/19/13 21:21	120-83-2	
Diethylphthalate	ND	ug/kg	20700	3190	10	11/14/13 13:30	11/19/13 21:21	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	20700	8140	10	11/14/13 13:30	11/19/13 21:21	105-67-9	
Dimethylphthalate	ND	ug/kg	20700	4200	10	11/14/13 13:30	11/19/13 21:21	131-11-3	
Di-n-butylphthalate	ND	ug/kg	20700	3380	10	11/14/13 13:30	11/19/13 21:21	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	41300	4130	10	11/14/13 13:30	11/19/13 21:21	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	103000	3380	10	11/14/13 13:30	11/19/13 21:21	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	20700	3880	10	11/14/13 13:30	11/19/13 21:21	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	20700	4320	10	11/14/13 13:30	11/19/13 21:21	606-20-2	
Di-n-octylphthalate	ND	ug/kg	20700	4320	10	11/14/13 13:30	11/19/13 21:21	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	20700	5640	10	11/14/13 13:30	11/19/13 21:21	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	20700	3570	10	11/14/13 13:30	11/19/13 21:21	87-68-3	
Hexachlorobenzene	ND	ug/kg	20700	2630	10	11/14/13 13:30	11/19/13 21:21	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	20700	3820	10	11/14/13 13:30	11/19/13 21:21	77-47-4	
Hexachloroethane	ND	ug/kg	20700	5450	10	11/14/13 13:30	11/19/13 21:21	67-72-1	
Isophorone	ND	ug/kg	20700	4630	10	11/14/13 13:30	11/19/13 21:21	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	20700	6260	10	11/14/13 13:30	11/19/13 21:21	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	20700	8140	10	11/14/13 13:30	11/19/13 21:21		
2-Nitroaniline	ND	ug/kg	103000	6390	10	11/14/13 13:30	11/19/13 21:21	88-74-4	
3-Nitroaniline	ND	ug/kg	103000	5640	10	11/14/13 13:30	11/19/13 21:21	99-09-2	
4-Nitroaniline	ND	ug/kg	41300	5820	10	11/14/13 13:30	11/19/13 21:21	100-01-6	
Nitrobenzene	ND	ug/kg	20700	5640	10	11/14/13 13:30	11/19/13 21:21	98-95-3	
2-Nitrophenol	ND	ug/kg	20700	5010	10	11/14/13 13:30	11/19/13 21:21	88-75-5	
4-Nitrophenol	ND	ug/kg	103000	3690	10	11/14/13 13:30	11/19/13 21:21	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	20700	3940	10	11/14/13 13:30	11/19/13 21:21	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	20700	6140	10	11/14/13 13:30	11/19/13 21:21	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	20700	5510	10	11/14/13 13:30	11/19/13 21:21	108-60-1	
Pentachlorophenol	ND	ug/kg	103000	3760	10	11/14/13 13:30	11/19/13 21:21	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-19-14-15 **Lab ID: 92179407017** Collected: 11/13/13 10:40 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	20700	6200	10	11/14/13 13:30	11/19/13 21:21	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	20700	7510	10	11/14/13 13:30	11/19/13 21:21	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	20700	8140	10	11/14/13 13:30	11/19/13 21:21	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	20700	6390	10	11/14/13 13:30	11/19/13 21:21	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	20700	4570	10	11/14/13 13:30	11/19/13 21:21	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	0	%	30-110		10	11/14/13 13:30	11/19/13 21:21	321-60-8	D3,P3, S4
Terphenyl-d14 (S)	0	%	28-110		10	11/14/13 13:30	11/19/13 21:21	1718-51-0	
Phenol-d6 (S)	0	%	22-110		10	11/14/13 13:30	11/19/13 21:21	13127-88-3	
2-Fluorophenol (S)	0	%	13-110		10	11/14/13 13:30	11/19/13 21:21	367-12-4	
2,4,6-Tribromophenol (S)	0	%	27-110		10	11/14/13 13:30	11/19/13 21:21	118-79-6	
Nitrobenzene-d5 (S)	0	%	23-110		10	11/14/13 13:30	11/19/13 21:21	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**230J**	ug/kg	626	93.9	10	11/14/13 10:34	11/19/13 13:38	83-32-9	
Acenaphthylene	ND	ug/kg	626	81.4	10	11/14/13 10:34	11/19/13 13:38	208-96-8	
Anthracene	ND	ug/kg	626	87.7	10	11/14/13 10:34	11/19/13 13:38	120-12-7	
Benzo(a)anthracene	ND	ug/kg	626	44.5	10	11/14/13 10:34	11/19/13 13:38	56-55-3	
Benzo(a)pyrene	ND	ug/kg	626	68.9	10	11/14/13 10:34	11/19/13 13:38	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	626	42.0	10	11/14/13 10:34	11/19/13 13:38	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	626	163	10	11/14/13 10:34	11/19/13 13:38	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	626	93.9	10	11/14/13 10:34	11/19/13 13:38	207-08-9	
Chrysene	ND	ug/kg	626	113	10	11/14/13 10:34	11/19/13 13:38	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	626	113	10	11/14/13 10:34	11/19/13 13:38	53-70-3	
Fluoranthene	ND	ug/kg	626	52.0	10	11/14/13 10:34	11/19/13 13:38	206-44-0	
Fluorene	ND	ug/kg	626	100	10	11/14/13 10:34	11/19/13 13:38	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	626	175	10	11/14/13 10:34	11/19/13 13:38	193-39-5	
1-Methylnaphthalene	ND	ug/kg	626	75.1	10	11/14/13 10:34	11/19/13 13:38	90-12-0	
2-Methylnaphthalene	ND	ug/kg	626	68.9	10	11/14/13 10:34	11/19/13 13:38	91-57-6	
Naphthalene	ND	ug/kg	626	144	10	11/14/13 10:34	11/19/13 13:38	91-20-3	
Phenanthrene	ND	ug/kg	626	93.9	10	11/14/13 10:34	11/19/13 13:38	85-01-8	
Pyrene	**1220**	ug/kg	626	113	10	11/14/13 10:34	11/19/13 13:38	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	0	%	10-128		10	11/14/13 10:34	11/19/13 13:38	4165-60-0	D3,P3, S4
2-Fluorobiphenyl (S)	0	%	10-110		10	11/14/13 10:34	11/19/13 13:38	321-60-8	
Terphenyl-d14 (S)	0	%	39-119		10	11/14/13 10:34	11/19/13 13:38	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**292**	ug/kg	111	11.1	1		11/14/13 21:09	67-64-1	A+
Benzene	**1.9J**	ug/kg	5.6	1.8	1		11/14/13 21:09	71-43-2	
Bromochloromethane	ND	ug/kg	5.6	1.9	1		11/14/13 21:09	74-97-5	
Bromodichloromethane	ND	ug/kg	5.6	2.1	1		11/14/13 21:09	75-27-4	
Bromoform	ND	ug/kg	5.6	2.6	1		11/14/13 21:09	75-25-2	
Bromomethane	ND	ug/kg	11.1	2.8	1		11/14/13 21:09	74-83-9	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-19-14-15 **Lab ID: 92179407017** Collected: 11/13/13 10:40 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
2-Butanone (MEK)	**88.5J**	ug/kg	111	3.2	1		11/14/13 21:09	78-93-3	
Carbon disulfide	ND	ug/kg	11.1	3.3	1		11/14/13 21:09	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.6	2.9	1		11/14/13 21:09	56-23-5	
Chlorobenzene	ND	ug/kg	5.6	2.1	1		11/14/13 21:09	108-90-7	
Chloroethane	ND	ug/kg	11.1	2.7	1		11/14/13 21:09	75-00-3	
Chloroform	ND	ug/kg	5.6	1.8	1		11/14/13 21:09	67-66-3	
Chloromethane	ND	ug/kg	11.1	2.7	1		11/14/13 21:09	74-87-3	
Cyclohexane	**15.5**	ug/kg	5.6	1.8	1		11/14/13 21:09	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.6	4.0	1		11/14/13 21:09	96-12-8	
Dibromochloromethane	ND	ug/kg	5.6	2.0	1		11/14/13 21:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.6	2.0	1		11/14/13 21:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.6	2.1	1		11/14/13 21:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.6	2.2	1		11/14/13 21:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.6	1.9	1		11/14/13 21:09	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.1	4.0	1		11/14/13 21:09	75-71-8	IO
1,1-Dichloroethane	ND	ug/kg	5.6	1.7	1		11/14/13 21:09	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.6	2.4	1		11/14/13 21:09	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.6	2.0	1		11/14/13 21:09	75-35-4	
cis-1,2-Dichloroethene	**49.2**	ug/kg	5.6	1.6	1		11/14/13 21:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.6	2.1	1		11/14/13 21:09	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.6	1.9	1		11/14/13 21:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.6	2.0	1		11/14/13 21:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.6	1.7	1		11/14/13 21:09	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	167	133	1		11/14/13 21:09	123-91-1	
Ethylbenzene	**15.4**	ug/kg	5.6	2.0	1		11/14/13 21:09	100-41-4	
2-Hexanone	ND	ug/kg	55.5	4.3	1		11/14/13 21:09	591-78-6	
Isopropylbenzene (Cumene)	**27.6**	ug/kg	5.6	2.1	1		11/14/13 21:09	98-82-8	
Methyl acetate	ND	ug/kg	11.1	1.6	1		11/14/13 21:09	79-20-9	
Methylcyclohexane	ND	ug/kg	11.1	1.7	1		11/14/13 21:09	108-87-2	
Methylene Chloride	**9.8J**	ug/kg	22.2	3.3	1		11/14/13 21:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	55.5	4.1	1		11/14/13 21:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.6	1.7	1		11/14/13 21:09	1634-04-4	
Styrene	ND	ug/kg	5.6	2.0	1		11/14/13 21:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	2.1	1		11/14/13 21:09	79-34-5	
Tetrachloroethene	**117**	ug/kg	5.6	1.9	1		11/14/13 21:09	127-18-4	
Toluene	**4.6J**	ug/kg	5.6	2.0	1		11/14/13 21:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.6	2.4	1		11/14/13 21:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	1.8	1		11/14/13 21:09	120-82-1	
1,1,1-Trichloroethane	**302**	ug/kg	5.6	2.0	1		11/14/13 21:09	71-55-6	E
1,1,2-Trichloroethane	ND	ug/kg	5.6	2.3	1		11/14/13 21:09	79-00-5	
Trichloroethene	**11800**	ug/kg	3710	1560	500		11/15/13 19:43	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.6	2.4	1		11/14/13 21:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.6	2.1	1		11/14/13 21:09	76-13-1	
Vinyl chloride	ND	ug/kg	11.1	2.0	1		11/14/13 21:09	75-01-4	
m&p-Xylene	ND	ug/kg	11.1	4.0	1		11/14/13 21:09	179601-23-1	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-19-14-15 **Lab ID: 92179407017** Collected: 11/13/13 10:40 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
o-Xylene	**77.8**	ug/kg	5.6	2.1	1		11/14/13 21:09	95-47-6	
Surrogates									
Toluene-d8 (S)	108	%	70-130		1		11/14/13 21:09	2037-26-5	
4-Bromofluorobenzene (S)	68	%	70-130		1		11/14/13 21:09	460-00-4	S2
1,2-Dichloroethane-d4 (S)	181	%	70-132		1		11/14/13 21:09	17060-07-0	S2
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.1**	%	0.10	0.10	1		11/20/13 14:20		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-18-4-5 **Lab ID: 92179407018** Collected: 11/13/13 11:00 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	389	200	1	11/14/13 13:30	11/19/13 12:56	98-86-2	
Atrazine	ND	ug/kg	777	153	1	11/14/13 13:30	11/19/13 12:56	1912-24-9	
Benzaldehyde	ND	ug/kg	777	389	1	11/14/13 13:30	11/19/13 12:56	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	389	122	1	11/14/13 13:30	11/19/13 12:56	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	389	70.6	1	11/14/13 13:30	11/19/13 12:56	101-55-3	
Butylbenzylphthalate	ND	ug/kg	389	82.4	1	11/14/13 13:30	11/19/13 12:56	85-68-7	
Caprolactam	ND	ug/kg	389	67.1	1	11/14/13 13:30	11/19/13 12:56	105-60-2	
Carbazole	ND	ug/kg	389	74.2	1	11/14/13 13:30	11/19/13 12:56	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	777	80.1	1	11/14/13 13:30	11/19/13 12:56	59-50-7	
4-Chloroaniline	ND	ug/kg	1940	108	1	11/14/13 13:30	11/19/13 12:56	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	389	90.7	1	11/14/13 13:30	11/19/13 12:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	389	98.9	1	11/14/13 13:30	11/19/13 12:56	111-44-4	
2-Chloronaphthalene	ND	ug/kg	389	76.5	1	11/14/13 13:30	11/19/13 12:56	91-58-7	
2-Chlorophenol	ND	ug/kg	389	106	1	11/14/13 13:30	11/19/13 12:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	389	80.1	1	11/14/13 13:30	11/19/13 12:56	7005-72-3	
Dibenzofuran	ND	ug/kg	389	63.6	1	11/14/13 13:30	11/19/13 12:56	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1940	84.8	1	11/14/13 13:30	11/19/13 12:56	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	389	84.8	1	11/14/13 13:30	11/19/13 12:56	120-83-2	
Diethylphthalate	ND	ug/kg	389	60.0	1	11/14/13 13:30	11/19/13 12:56	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	389	153	1	11/14/13 13:30	11/19/13 12:56	105-67-9	
Dimethylphthalate	ND	ug/kg	389	78.9	1	11/14/13 13:30	11/19/13 12:56	131-11-3	
Di-n-butylphthalate	ND	ug/kg	389	63.6	1	11/14/13 13:30	11/19/13 12:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	777	77.7	1	11/14/13 13:30	11/19/13 12:56	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1940	63.6	1	11/14/13 13:30	11/19/13 12:56	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	389	73.0	1	11/14/13 13:30	11/19/13 12:56	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	389	81.2	1	11/14/13 13:30	11/19/13 12:56	606-20-2	
Di-n-octylphthalate	ND	ug/kg	389	81.2	1	11/14/13 13:30	11/19/13 12:56	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	389	106	1	11/14/13 13:30	11/19/13 12:56	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	389	67.1	1	11/14/13 13:30	11/19/13 12:56	87-68-3	
Hexachlorobenzene	ND	ug/kg	389	49.4	1	11/14/13 13:30	11/19/13 12:56	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	389	71.8	1	11/14/13 13:30	11/19/13 12:56	77-47-4	
Hexachloroethane	ND	ug/kg	389	102	1	11/14/13 13:30	11/19/13 12:56	67-72-1	
Isophorone	ND	ug/kg	389	87.1	1	11/14/13 13:30	11/19/13 12:56	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	389	118	1	11/14/13 13:30	11/19/13 12:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	389	153	1	11/14/13 13:30	11/19/13 12:56		
2-Nitroaniline	ND	ug/kg	1940	120	1	11/14/13 13:30	11/19/13 12:56	88-74-4	
3-Nitroaniline	ND	ug/kg	1940	106	1	11/14/13 13:30	11/19/13 12:56	99-09-2	
4-Nitroaniline	ND	ug/kg	777	109	1	11/14/13 13:30	11/19/13 12:56	100-01-6	
Nitrobenzene	ND	ug/kg	389	106	1	11/14/13 13:30	11/19/13 12:56	98-95-3	
2-Nitrophenol	ND	ug/kg	389	94.2	1	11/14/13 13:30	11/19/13 12:56	88-75-5	
4-Nitrophenol	ND	ug/kg	1940	69.5	1	11/14/13 13:30	11/19/13 12:56	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	389	74.2	1	11/14/13 13:30	11/19/13 12:56	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	389	115	1	11/14/13 13:30	11/19/13 12:56	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	389	104	1	11/14/13 13:30	11/19/13 12:56	108-60-1	
Pentachlorophenol	ND	ug/kg	1940	70.6	1	11/14/13 13:30	11/19/13 12:56	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-18-4-5 **Lab ID: 92179407018** Collected: 11/13/13 11:00 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	389	117	1	11/14/13 13:30	11/19/13 12:56	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	389	141	1	11/14/13 13:30	11/19/13 12:56	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	389	153	1	11/14/13 13:30	11/19/13 12:56	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	389	120	1	11/14/13 13:30	11/19/13 12:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	389	85.9	1	11/14/13 13:30	11/19/13 12:56	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	42	%	30-110		1	11/14/13 13:30	11/19/13 12:56	321-60-8	
Terphenyl-d14 (S)	56	%	28-110		1	11/14/13 13:30	11/19/13 12:56	1718-51-0	
Phenol-d6 (S)	35	%	22-110		1	11/14/13 13:30	11/19/13 12:56	13127-88-3	
2-Fluorophenol (S)	37	%	13-110		1	11/14/13 13:30	11/19/13 12:56	367-12-4	
2,4,6-Tribromophenol (S)	39	%	27-110		1	11/14/13 13:30	11/19/13 12:56	118-79-6	
Nitrobenzene-d5 (S)	42	%	23-110		1	11/14/13 13:30	11/19/13 12:56	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.8	1.8	1	11/14/13 10:34	11/18/13 20:11	83-32-9	
Acenaphthylene	ND	ug/kg	11.8	1.5	1	11/14/13 10:34	11/18/13 20:11	208-96-8	
Anthracene	ND	ug/kg	11.8	1.6	1	11/14/13 10:34	11/18/13 20:11	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.8	0.84	1	11/14/13 10:34	11/18/13 20:11	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.8	1.3	1	11/14/13 10:34	11/18/13 20:11	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.8	0.79	1	11/14/13 10:34	11/18/13 20:11	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.8	3.1	1	11/14/13 10:34	11/18/13 20:11	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.8	1.8	1	11/14/13 10:34	11/18/13 20:11	207-08-9	
Chrysene	ND	ug/kg	11.8	2.1	1	11/14/13 10:34	11/18/13 20:11	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.8	2.1	1	11/14/13 10:34	11/18/13 20:11	53-70-3	
Fluoranthene	ND	ug/kg	11.8	0.98	1	11/14/13 10:34	11/18/13 20:11	206-44-0	
Fluorene	ND	ug/kg	11.8	1.9	1	11/14/13 10:34	11/18/13 20:11	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.8	3.3	1	11/14/13 10:34	11/18/13 20:11	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.8	1.4	1	11/14/13 10:34	11/18/13 20:11	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.8	1.3	1	11/14/13 10:34	11/18/13 20:11	91-57-6	
Naphthalene	ND	ug/kg	11.8	2.7	1	11/14/13 10:34	11/18/13 20:11	91-20-3	
Phenanthrene	ND	ug/kg	11.8	1.8	1	11/14/13 10:34	11/18/13 20:11	85-01-8	
Pyrene	ND	ug/kg	11.8	2.1	1	11/14/13 10:34	11/18/13 20:11	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	42	%	10-128		1	11/14/13 10:34	11/18/13 20:11	4165-60-0	
2-Fluorobiphenyl (S)	38	%	10-110		1	11/14/13 10:34	11/18/13 20:11	321-60-8	
Terphenyl-d14 (S)	74	%	39-119		1	11/14/13 10:34	11/18/13 20:11	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**135**	ug/kg	92.0	9.2	1		11/14/13 21:29	67-64-1	A+
Benzene	ND	ug/kg	4.6	1.5	1		11/14/13 21:29	71-43-2	
Bromochloromethane	ND	ug/kg	4.6	1.6	1		11/14/13 21:29	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1.7	1		11/14/13 21:29	75-27-4	
Bromoform	ND	ug/kg	4.6	2.1	1		11/14/13 21:29	75-25-2	
Bromomethane	ND	ug/kg	9.2	2.3	1		11/14/13 21:29	74-83-9	
2-Butanone (MEK)	ND	ug/kg	92.0	2.7	1		11/14/13 21:29	78-93-3	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-18-4-5 **Lab ID: 92179407018** Collected: 11/13/13 11:00 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	9.2	2.8	1		11/14/13 21:29	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	2.4	1		11/14/13 21:29	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1.7	1		11/14/13 21:29	108-90-7	
Chloroethane	ND	ug/kg	9.2	2.2	1		11/14/13 21:29	75-00-3	
Chloroform	ND	ug/kg	4.6	1.5	1		11/14/13 21:29	67-66-3	
Chloromethane	ND	ug/kg	9.2	2.2	1		11/14/13 21:29	74-87-3	
Cyclohexane	ND	ug/kg	4.6	1.5	1		11/14/13 21:29	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	3.3	1		11/14/13 21:29	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1.7	1		11/14/13 21:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1.7	1		11/14/13 21:29	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1.7	1		11/14/13 21:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1.8	1		11/14/13 21:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1.6	1		11/14/13 21:29	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.2	3.3	1		11/14/13 21:29	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1.4	1		11/14/13 21:29	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	2.0	1		11/14/13 21:29	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1.7	1		11/14/13 21:29	75-35-4	
cis-1,2-Dichloroethene	**5.5**	ug/kg	4.6	1.3	1		11/14/13 21:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1.7	1		11/14/13 21:29	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1.6	1		11/14/13 21:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1.7	1		11/14/13 21:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1.4	1		11/14/13 21:29	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	138	110	1		11/14/13 21:29	123-91-1	
Ethylbenzene	ND	ug/kg	4.6	1.7	1		11/14/13 21:29	100-41-4	
2-Hexanone	ND	ug/kg	46.0	3.6	1		11/14/13 21:29	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1.7	1		11/14/13 21:29	98-82-8	
Methyl acetate	ND	ug/kg	9.2	1.3	1		11/14/13 21:29	79-20-9	
Methylcyclohexane	ND	ug/kg	9.2	1.4	1		11/14/13 21:29	108-87-2	
Methylene Chloride	ND	ug/kg	18.4	2.8	1		11/14/13 21:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.0	3.4	1		11/14/13 21:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1.4	1		11/14/13 21:29	1634-04-4	
Styrene	ND	ug/kg	4.6	1.7	1		11/14/13 21:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1.7	1		11/14/13 21:29	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1.6	1		11/14/13 21:29	127-18-4	
Toluene	ND	ug/kg	4.6	1.7	1		11/14/13 21:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	2.0	1		11/14/13 21:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1.5	1		11/14/13 21:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1.7	1		11/14/13 21:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1.9	1		11/14/13 21:29	79-00-5	
Trichloroethene	**57.7**	ug/kg	4.6	1.9	1		11/14/13 21:29	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	2.0	1		11/14/13 21:29	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.6	1.7	1		11/14/13 21:29	76-13-1	
Vinyl chloride	ND	ug/kg	9.2	1.7	1		11/14/13 21:29	75-01-4	
m&p-Xylene	ND	ug/kg	9.2	3.3	1		11/14/13 21:29	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1.7	1		11/14/13 21:29	95-47-6	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-18-4-5 **Lab ID: 92179407018** Collected: 11/13/13 11:00 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		11/14/13 21:29	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		11/14/13 21:29	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-132		1		11/14/13 21:29	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.1**	%	0.10	0.10	1		11/20/13 14:20		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-18-5-6 **Lab ID: 92179407019** Collected: 11/13/13 11:10 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	392	202	1	11/14/13 13:30	11/19/13 13:28	98-86-2	
Atrazine	ND	ug/kg	783	154	1	11/14/13 13:30	11/19/13 13:28	1912-24-9	
Benzaldehyde	ND	ug/kg	783	392	1	11/14/13 13:30	11/19/13 13:28	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	392	123	1	11/14/13 13:30	11/19/13 13:28	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	392	71.2	1	11/14/13 13:30	11/19/13 13:28	101-55-3	
Butylbenzylphthalate	ND	ug/kg	392	83.1	1	11/14/13 13:30	11/19/13 13:28	85-68-7	
Caprolactam	ND	ug/kg	392	67.7	1	11/14/13 13:30	11/19/13 13:28	105-60-2	
Carbazole	ND	ug/kg	392	74.8	1	11/14/13 13:30	11/19/13 13:28	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	783	80.7	1	11/14/13 13:30	11/19/13 13:28	59-50-7	
4-Chloroaniline	ND	ug/kg	1960	109	1	11/14/13 13:30	11/19/13 13:28	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	392	91.4	1	11/14/13 13:30	11/19/13 13:28	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	392	99.7	1	11/14/13 13:30	11/19/13 13:28	111-44-4	
2-Chloronaphthalene	ND	ug/kg	392	77.1	1	11/14/13 13:30	11/19/13 13:28	91-58-7	
2-Chlorophenol	ND	ug/kg	392	107	1	11/14/13 13:30	11/19/13 13:28	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	392	80.7	1	11/14/13 13:30	11/19/13 13:28	7005-72-3	
Dibenzofuran	ND	ug/kg	392	64.1	1	11/14/13 13:30	11/19/13 13:28	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1960	85.5	1	11/14/13 13:30	11/19/13 13:28	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	392	85.5	1	11/14/13 13:30	11/19/13 13:28	120-83-2	
Diethylphthalate	ND	ug/kg	392	60.5	1	11/14/13 13:30	11/19/13 13:28	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	392	154	1	11/14/13 13:30	11/19/13 13:28	105-67-9	
Dimethylphthalate	ND	ug/kg	392	79.5	1	11/14/13 13:30	11/19/13 13:28	131-11-3	
Di-n-butylphthalate	ND	ug/kg	392	64.1	1	11/14/13 13:30	11/19/13 13:28	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	783	78.3	1	11/14/13 13:30	11/19/13 13:28	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1960	64.1	1	11/14/13 13:30	11/19/13 13:28	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	392	73.6	1	11/14/13 13:30	11/19/13 13:28	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	392	81.9	1	11/14/13 13:30	11/19/13 13:28	606-20-2	
Di-n-octylphthalate	ND	ug/kg	392	81.9	1	11/14/13 13:30	11/19/13 13:28	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	392	107	1	11/14/13 13:30	11/19/13 13:28	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	392	67.7	1	11/14/13 13:30	11/19/13 13:28	87-68-3	
Hexachlorobenzene	ND	ug/kg	392	49.8	1	11/14/13 13:30	11/19/13 13:28	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	392	72.4	1	11/14/13 13:30	11/19/13 13:28	77-47-4	
Hexachloroethane	ND	ug/kg	392	103	1	11/14/13 13:30	11/19/13 13:28	67-72-1	
Isophorone	ND	ug/kg	392	87.8	1	11/14/13 13:30	11/19/13 13:28	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	392	119	1	11/14/13 13:30	11/19/13 13:28	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	392	154	1	11/14/13 13:30	11/19/13 13:28		
2-Nitroaniline	ND	ug/kg	1960	121	1	11/14/13 13:30	11/19/13 13:28	88-74-4	
3-Nitroaniline	ND	ug/kg	1960	107	1	11/14/13 13:30	11/19/13 13:28	99-09-2	
4-Nitroaniline	ND	ug/kg	783	110	1	11/14/13 13:30	11/19/13 13:28	100-01-6	
Nitrobenzene	ND	ug/kg	392	107	1	11/14/13 13:30	11/19/13 13:28	98-95-3	
2-Nitrophenol	ND	ug/kg	392	95.0	1	11/14/13 13:30	11/19/13 13:28	88-75-5	
4-Nitrophenol	ND	ug/kg	1960	70.0	1	11/14/13 13:30	11/19/13 13:28	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	392	74.8	1	11/14/13 13:30	11/19/13 13:28	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	392	116	1	11/14/13 13:30	11/19/13 13:28	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	392	104	1	11/14/13 13:30	11/19/13 13:28	108-60-1	
Pentachlorophenol	ND	ug/kg	1960	71.2	1	11/14/13 13:30	11/19/13 13:28	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-18-5-6 **Lab ID: 92179407019** Collected: 11/13/13 11:10 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	392	118	1	11/14/13 13:30	11/19/13 13:28	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	392	142	1	11/14/13 13:30	11/19/13 13:28	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	392	154	1	11/14/13 13:30	11/19/13 13:28	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	392	121	1	11/14/13 13:30	11/19/13 13:28	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	392	86.6	1	11/14/13 13:30	11/19/13 13:28	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	47	%	30-110		1	11/14/13 13:30	11/19/13 13:28	321-60-8	
Terphenyl-d14 (S)	60	%	28-110		1	11/14/13 13:30	11/19/13 13:28	1718-51-0	
Phenol-d6 (S)	40	%	22-110		1	11/14/13 13:30	11/19/13 13:28	13127-88-3	
2-Fluorophenol (S)	44	%	13-110		1	11/14/13 13:30	11/19/13 13:28	367-12-4	
2,4,6-Tribromophenol (S)	47	%	27-110		1	11/14/13 13:30	11/19/13 13:28	118-79-6	
Nitrobenzene-d5 (S)	44	%	23-110		1	11/14/13 13:30	11/19/13 13:28	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.9	1.8	1	11/14/13 10:34	11/18/13 20:31	83-32-9	
Acenaphthylene	ND	ug/kg	11.9	1.5	1	11/14/13 10:34	11/18/13 20:31	208-96-8	
Anthracene	ND	ug/kg	11.9	1.7	1	11/14/13 10:34	11/18/13 20:31	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.9	0.84	1	11/14/13 10:34	11/18/13 20:31	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.9	1.3	1	11/14/13 10:34	11/18/13 20:31	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.9	0.80	1	11/14/13 10:34	11/18/13 20:31	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.9	3.1	1	11/14/13 10:34	11/18/13 20:31	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.9	1.8	1	11/14/13 10:34	11/18/13 20:31	207-08-9	
Chrysene	ND	ug/kg	11.9	2.1	1	11/14/13 10:34	11/18/13 20:31	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.9	2.1	1	11/14/13 10:34	11/18/13 20:31	53-70-3	
Fluoranthene	ND	ug/kg	11.9	0.99	1	11/14/13 10:34	11/18/13 20:31	206-44-0	
Fluorene	ND	ug/kg	11.9	1.9	1	11/14/13 10:34	11/18/13 20:31	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.9	3.3	1	11/14/13 10:34	11/18/13 20:31	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.9	1.4	1	11/14/13 10:34	11/18/13 20:31	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.9	1.3	1	11/14/13 10:34	11/18/13 20:31	91-57-6	
Naphthalene	ND	ug/kg	11.9	2.7	1	11/14/13 10:34	11/18/13 20:31	91-20-3	
Phenanthrene	ND	ug/kg	11.9	1.8	1	11/14/13 10:34	11/18/13 20:31	85-01-8	
Pyrene	ND	ug/kg	11.9	2.1	1	11/14/13 10:34	11/18/13 20:31	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	49	%	10-128		1	11/14/13 10:34	11/18/13 20:31	4165-60-0	
2-Fluorobiphenyl (S)	48	%	10-110		1	11/14/13 10:34	11/18/13 20:31	321-60-8	
Terphenyl-d14 (S)	67	%	39-119		1	11/14/13 10:34	11/18/13 20:31	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**192**	ug/kg	97.9	9.8	1		11/14/13 21:49	67-64-1	A+
Benzene	ND	ug/kg	4.9	1.6	1		11/14/13 21:49	71-43-2	
Bromochloromethane	ND	ug/kg	4.9	1.7	1		11/14/13 21:49	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1.9	1		11/14/13 21:49	75-27-4	
Bromoform	ND	ug/kg	4.9	2.3	1		11/14/13 21:49	75-25-2	
Bromomethane	ND	ug/kg	9.8	2.4	1		11/14/13 21:49	74-83-9	
2-Butanone (MEK)	ND	ug/kg	97.9	2.8	1		11/14/13 21:49	78-93-3	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-18-5-6 **Lab ID: 92179407019** Collected: 11/13/13 11:10 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	9.8	2.9	1		11/14/13 21:49	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	2.5	1		11/14/13 21:49	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1.9	1		11/14/13 21:49	108-90-7	
Chloroethane	ND	ug/kg	9.8	2.4	1		11/14/13 21:49	75-00-3	
Chloroform	ND	ug/kg	4.9	1.6	1		11/14/13 21:49	67-66-3	
Chloromethane	ND	ug/kg	9.8	2.4	1		11/14/13 21:49	74-87-3	
Cyclohexane	ND	ug/kg	4.9	1.6	1		11/14/13 21:49	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	3.5	1		11/14/13 21:49	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1.8	1		11/14/13 21:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1.8	1		11/14/13 21:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1.9	1		11/14/13 21:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	2.0	1		11/14/13 21:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1.7	1		11/14/13 21:49	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.8	3.5	1		11/14/13 21:49	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1.5	1		11/14/13 21:49	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	2.2	1		11/14/13 21:49	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1.8	1		11/14/13 21:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1.4	1		11/14/13 21:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1.9	1		11/14/13 21:49	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		11/14/13 21:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1.8	1		11/14/13 21:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1.5	1		11/14/13 21:49	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	147	118	1		11/14/13 21:49	123-91-1	
Ethylbenzene	ND	ug/kg	4.9	1.8	1		11/14/13 21:49	100-41-4	
2-Hexanone	ND	ug/kg	49.0	3.8	1		11/14/13 21:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1.9	1		11/14/13 21:49	98-82-8	
Methyl acetate	ND	ug/kg	9.8	1.4	1		11/14/13 21:49	79-20-9	
Methylcyclohexane	ND	ug/kg	9.8	1.5	1		11/14/13 21:49	108-87-2	
Methylene Chloride	ND	ug/kg	19.6	2.9	1		11/14/13 21:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	49.0	3.6	1		11/14/13 21:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1.5	1		11/14/13 21:49	1634-04-4	
Styrene	ND	ug/kg	4.9	1.8	1		11/14/13 21:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1.9	1		11/14/13 21:49	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1.7	1		11/14/13 21:49	127-18-4	
Toluene	ND	ug/kg	4.9	1.8	1		11/14/13 21:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	2.2	1		11/14/13 21:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1.6	1		11/14/13 21:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1.8	1		11/14/13 21:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	2.1	1		11/14/13 21:49	79-00-5	
Trichloroethene	**14.0**	ug/kg	4.9	2.1	1		11/14/13 21:49	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	2.2	1		11/14/13 21:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.9	1.9	1		11/14/13 21:49	76-13-1	
Vinyl chloride	ND	ug/kg	9.8	1.8	1		11/14/13 21:49	75-01-4	
m&p-Xylene	ND	ug/kg	9.8	3.5	1		11/14/13 21:49	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1.9	1		11/14/13 21:49	95-47-6	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-18-5-6 **Lab ID: 92179407019** Collected: 11/13/13 11:10 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/14/13 21:49	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		11/14/13 21:49	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-132		1		11/14/13 21:49	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.7**	%	0.10	0.10	1		11/20/13 14:20		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-18-10-12 **Lab ID: 92179407020** Collected: 11/13/13 11:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	420	216	1	11/14/13 13:30	11/19/13 14:00	98-86-2	
Atrazine	ND	ug/kg	840	165	1	11/14/13 13:30	11/19/13 14:00	1912-24-9	
Benzaldehyde	ND	ug/kg	840	420	1	11/14/13 13:30	11/19/13 14:00	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	420	132	1	11/14/13 13:30	11/19/13 14:00	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	420	76.3	1	11/14/13 13:30	11/19/13 14:00	101-55-3	
Butylbenzylphthalate	ND	ug/kg	420	89.0	1	11/14/13 13:30	11/19/13 14:00	85-68-7	
Caprolactam	ND	ug/kg	420	72.5	1	11/14/13 13:30	11/19/13 14:00	105-60-2	
Carbazole	ND	ug/kg	420	80.1	1	11/14/13 13:30	11/19/13 14:00	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	840	86.5	1	11/14/13 13:30	11/19/13 14:00	59-50-7	
4-Chloroaniline	ND	ug/kg	2100	117	1	11/14/13 13:30	11/19/13 14:00	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	420	97.9	1	11/14/13 13:30	11/19/13 14:00	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	420	107	1	11/14/13 13:30	11/19/13 14:00	111-44-4	
2-Chloronaphthalene	ND	ug/kg	420	82.7	1	11/14/13 13:30	11/19/13 14:00	91-58-7	
2-Chlorophenol	ND	ug/kg	420	114	1	11/14/13 13:30	11/19/13 14:00	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	420	86.5	1	11/14/13 13:30	11/19/13 14:00	7005-72-3	
Dibenzofuran	ND	ug/kg	420	68.7	1	11/14/13 13:30	11/19/13 14:00	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2100	91.6	1	11/14/13 13:30	11/19/13 14:00	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	420	91.6	1	11/14/13 13:30	11/19/13 14:00	120-83-2	
Diethylphthalate	ND	ug/kg	420	64.9	1	11/14/13 13:30	11/19/13 14:00	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	420	165	1	11/14/13 13:30	11/19/13 14:00	105-67-9	
Dimethylphthalate	ND	ug/kg	420	85.2	1	11/14/13 13:30	11/19/13 14:00	131-11-3	
Di-n-butylphthalate	ND	ug/kg	420	68.7	1	11/14/13 13:30	11/19/13 14:00	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	840	84.0	1	11/14/13 13:30	11/19/13 14:00	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2100	68.7	1	11/14/13 13:30	11/19/13 14:00	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	420	78.9	1	11/14/13 13:30	11/19/13 14:00	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	420	87.8	1	11/14/13 13:30	11/19/13 14:00	606-20-2	
Di-n-octylphthalate	ND	ug/kg	420	87.8	1	11/14/13 13:30	11/19/13 14:00	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	420	114	1	11/14/13 13:30	11/19/13 14:00	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	420	72.5	1	11/14/13 13:30	11/19/13 14:00	87-68-3	
Hexachlorobenzene	ND	ug/kg	420	53.4	1	11/14/13 13:30	11/19/13 14:00	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	420	77.6	1	11/14/13 13:30	11/19/13 14:00	77-47-4	
Hexachloroethane	ND	ug/kg	420	111	1	11/14/13 13:30	11/19/13 14:00	67-72-1	
Isophorone	ND	ug/kg	420	94.1	1	11/14/13 13:30	11/19/13 14:00	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	420	127	1	11/14/13 13:30	11/19/13 14:00	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	420	165	1	11/14/13 13:30	11/19/13 14:00		
2-Nitroaniline	ND	ug/kg	2100	130	1	11/14/13 13:30	11/19/13 14:00	88-74-4	
3-Nitroaniline	ND	ug/kg	2100	114	1	11/14/13 13:30	11/19/13 14:00	99-09-2	
4-Nitroaniline	ND	ug/kg	840	118	1	11/14/13 13:30	11/19/13 14:00	100-01-6	
Nitrobenzene	ND	ug/kg	420	114	1	11/14/13 13:30	11/19/13 14:00	98-95-3	
2-Nitrophenol	ND	ug/kg	420	102	1	11/14/13 13:30	11/19/13 14:00	88-75-5	
4-Nitrophenol	ND	ug/kg	2100	75.1	1	11/14/13 13:30	11/19/13 14:00	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	420	80.1	1	11/14/13 13:30	11/19/13 14:00	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	420	125	1	11/14/13 13:30	11/19/13 14:00	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	420	112	1	11/14/13 13:30	11/19/13 14:00	108-60-1	
Pentachlorophenol	ND	ug/kg	2100	76.3	1	11/14/13 13:30	11/19/13 14:00	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-18-10-12 **Lab ID: 92179407020** Collected: 11/13/13 11:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	420	126	1	11/14/13 13:30	11/19/13 14:00	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	420	153	1	11/14/13 13:30	11/19/13 14:00	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	420	165	1	11/14/13 13:30	11/19/13 14:00	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	420	130	1	11/14/13 13:30	11/19/13 14:00	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	420	92.9	1	11/14/13 13:30	11/19/13 14:00	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	46	%	30-110		1	11/14/13 13:30	11/19/13 14:00	321-60-8	
Terphenyl-d14 (S)	61	%	28-110		1	11/14/13 13:30	11/19/13 14:00	1718-51-0	
Phenol-d6 (S)	38	%	22-110		1	11/14/13 13:30	11/19/13 14:00	13127-88-3	
2-Fluorophenol (S)	41	%	13-110		1	11/14/13 13:30	11/19/13 14:00	367-12-4	
2,4,6-Tribromophenol (S)	45	%	27-110		1	11/14/13 13:30	11/19/13 14:00	118-79-6	
Nitrobenzene-d5 (S)	44	%	23-110		1	11/14/13 13:30	11/19/13 14:00	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.7	1.9	1	11/14/13 10:34	11/18/13 20:51	83-32-9	
Acenaphthylene	ND	ug/kg	12.7	1.7	1	11/14/13 10:34	11/18/13 20:51	208-96-8	
Anthracene	ND	ug/kg	12.7	1.8	1	11/14/13 10:34	11/18/13 20:51	120-12-7	
Benzo(a)anthracene	**0.93J**	ug/kg	12.7	0.90	1	11/14/13 10:34	11/18/13 20:51	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.7	1.4	1	11/14/13 10:34	11/18/13 20:51	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.7	0.85	1	11/14/13 10:34	11/18/13 20:51	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.7	3.3	1	11/14/13 10:34	11/18/13 20:51	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.7	1.9	1	11/14/13 10:34	11/18/13 20:51	207-08-9	
Chrysene	ND	ug/kg	12.7	2.3	1	11/14/13 10:34	11/18/13 20:51	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.7	2.3	1	11/14/13 10:34	11/18/13 20:51	53-70-3	
Fluoranthene	ND	ug/kg	12.7	1.1	1	11/14/13 10:34	11/18/13 20:51	206-44-0	
Fluorene	ND	ug/kg	12.7	2.0	1	11/14/13 10:34	11/18/13 20:51	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.7	3.6	1	11/14/13 10:34	11/18/13 20:51	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.7	1.5	1	11/14/13 10:34	11/18/13 20:51	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.7	1.4	1	11/14/13 10:34	11/18/13 20:51	91-57-6	
Naphthalene	ND	ug/kg	12.7	2.9	1	11/14/13 10:34	11/18/13 20:51	91-20-3	
Phenanthrene	ND	ug/kg	12.7	1.9	1	11/14/13 10:34	11/18/13 20:51	85-01-8	
Pyrene	ND	ug/kg	12.7	2.3	1	11/14/13 10:34	11/18/13 20:51	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	41	%	10-128		1	11/14/13 10:34	11/18/13 20:51	4165-60-0	
2-Fluorobiphenyl (S)	41	%	10-110		1	11/14/13 10:34	11/18/13 20:51	321-60-8	
Terphenyl-d14 (S)	75	%	39-119		1	11/14/13 10:34	11/18/13 20:51	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**134**	ug/kg	111	11.1	1		11/14/13 22:08	67-64-1	A+
Benzene	ND	ug/kg	5.5	1.8	1		11/14/13 22:08	71-43-2	
Bromochloromethane	ND	ug/kg	5.5	1.9	1		11/14/13 22:08	74-97-5	
Bromodichloromethane	ND	ug/kg	5.5	2.1	1		11/14/13 22:08	75-27-4	
Bromoform	ND	ug/kg	5.5	2.5	1		11/14/13 22:08	75-25-2	
Bromomethane	ND	ug/kg	11.1	2.8	1		11/14/13 22:08	74-83-9	
2-Butanone (MEK)	ND	ug/kg	111	3.2	1		11/14/13 22:08	78-93-3	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-18-10-12 **Lab ID: 92179407020** Collected: 11/13/13 11:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	11.1	3.3	1		11/14/13 22:08	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.5	2.9	1		11/14/13 22:08	56-23-5	
Chlorobenzene	ND	ug/kg	5.5	2.1	1		11/14/13 22:08	108-90-7	
Chloroethane	ND	ug/kg	11.1	2.7	1		11/14/13 22:08	75-00-3	
Chloroform	ND	ug/kg	5.5	1.8	1		11/14/13 22:08	67-66-3	
Chloromethane	ND	ug/kg	11.1	2.7	1		11/14/13 22:08	74-87-3	
Cyclohexane	ND	ug/kg	5.5	1.8	1		11/14/13 22:08	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.5	4.0	1		11/14/13 22:08	96-12-8	
Dibromochloromethane	ND	ug/kg	5.5	2.0	1		11/14/13 22:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.5	2.0	1		11/14/13 22:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.5	2.1	1		11/14/13 22:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.5	2.2	1		11/14/13 22:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.5	1.9	1		11/14/13 22:08	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.1	4.0	1		11/14/13 22:08	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.5	1.7	1		11/14/13 22:08	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.5	2.4	1		11/14/13 22:08	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.5	2.0	1		11/14/13 22:08	75-35-4	
cis-1,2-Dichloroethene	**9.2**	ug/kg	5.5	1.5	1		11/14/13 22:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.5	2.1	1		11/14/13 22:08	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.5	1.9	1		11/14/13 22:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.5	2.0	1		11/14/13 22:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.5	1.7	1		11/14/13 22:08	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	166	133	1		11/14/13 22:08	123-91-1	
Ethylbenzene	ND	ug/kg	5.5	2.0	1		11/14/13 22:08	100-41-4	
2-Hexanone	ND	ug/kg	55.3	4.3	1		11/14/13 22:08	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.5	2.1	1		11/14/13 22:08	98-82-8	
Methyl acetate	ND	ug/kg	11.1	1.5	1		11/14/13 22:08	79-20-9	
Methylcyclohexane	ND	ug/kg	11.1	1.7	1		11/14/13 22:08	108-87-2	
Methylene Chloride	ND	ug/kg	22.1	3.3	1		11/14/13 22:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	55.3	4.1	1		11/14/13 22:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.5	1.7	1		11/14/13 22:08	1634-04-4	
Styrene	ND	ug/kg	5.5	2.0	1		11/14/13 22:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.5	2.1	1		11/14/13 22:08	79-34-5	
Tetrachloroethene	ND	ug/kg	5.5	1.9	1		11/14/13 22:08	127-18-4	
Toluene	ND	ug/kg	5.5	2.0	1		11/14/13 22:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.5	2.4	1		11/14/13 22:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.5	1.8	1		11/14/13 22:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.5	2.0	1		11/14/13 22:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.5	2.3	1		11/14/13 22:08	79-00-5	
Trichloroethene	**191**	ug/kg	5.5	2.3	1		11/14/13 22:08	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.5	2.4	1		11/14/13 22:08	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.5	2.1	1		11/14/13 22:08	76-13-1	
Vinyl chloride	ND	ug/kg	11.1	2.0	1		11/14/13 22:08	75-01-4	
m&p-Xylene	ND	ug/kg	11.1	4.0	1		11/14/13 22:08	179601-23-1	
o-Xylene	ND	ug/kg	5.5	2.1	1		11/14/13 22:08	95-47-6	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-18-10-12 **Lab ID: 92179407020** Collected: 11/13/13 11:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	96	%	70-130		1		11/14/13 22:08	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		11/14/13 22:08	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-132		1		11/14/13 22:08	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.4**	%	0.10	0.10	1		11/20/13 14:20		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-25-3-4 **Lab ID: 92179407021** Collected: 11/13/13 13:15 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	378	195	1	11/14/13 13:30	11/19/13 14:32	98-86-2	
Atrazine	ND	ug/kg	755	149	1	11/14/13 13:30	11/19/13 14:32	1912-24-9	
Benzaldehyde	ND	ug/kg	755	378	1	11/14/13 13:30	11/19/13 14:32	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	378	119	1	11/14/13 13:30	11/19/13 14:32	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	378	68.7	1	11/14/13 13:30	11/19/13 14:32	101-55-3	
Butylbenzylphthalate	ND	ug/kg	378	80.1	1	11/14/13 13:30	11/19/13 14:32	85-68-7	
Caprolactam	ND	ug/kg	378	65.2	1	11/14/13 13:30	11/19/13 14:32	105-60-2	
Carbazole	ND	ug/kg	378	72.1	1	11/14/13 13:30	11/19/13 14:32	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	755	77.8	1	11/14/13 13:30	11/19/13 14:32	59-50-7	
4-Chloroaniline	ND	ug/kg	1890	105	1	11/14/13 13:30	11/19/13 14:32	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	378	88.1	1	11/14/13 13:30	11/19/13 14:32	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	378	96.1	1	11/14/13 13:30	11/19/13 14:32	111-44-4	
2-Chloronaphthalene	ND	ug/kg	378	74.4	1	11/14/13 13:30	11/19/13 14:32	91-58-7	
2-Chlorophenol	ND	ug/kg	378	103	1	11/14/13 13:30	11/19/13 14:32	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	378	77.8	1	11/14/13 13:30	11/19/13 14:32	7005-72-3	
Dibenzofuran	ND	ug/kg	378	61.8	1	11/14/13 13:30	11/19/13 14:32	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1890	82.4	1	11/14/13 13:30	11/19/13 14:32	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	378	82.4	1	11/14/13 13:30	11/19/13 14:32	120-83-2	
Diethylphthalate	ND	ug/kg	378	58.4	1	11/14/13 13:30	11/19/13 14:32	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	378	149	1	11/14/13 13:30	11/19/13 14:32	105-67-9	
Dimethylphthalate	ND	ug/kg	378	76.7	1	11/14/13 13:30	11/19/13 14:32	131-11-3	
Di-n-butylphthalate	ND	ug/kg	378	61.8	1	11/14/13 13:30	11/19/13 14:32	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	755	75.5	1	11/14/13 13:30	11/19/13 14:32	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1890	61.8	1	11/14/13 13:30	11/19/13 14:32	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	378	70.9	1	11/14/13 13:30	11/19/13 14:32	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	378	79.0	1	11/14/13 13:30	11/19/13 14:32	606-20-2	
Di-n-octylphthalate	ND	ug/kg	378	79.0	1	11/14/13 13:30	11/19/13 14:32	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	378	103	1	11/14/13 13:30	11/19/13 14:32	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	378	65.2	1	11/14/13 13:30	11/19/13 14:32	87-68-3	
Hexachlorobenzene	ND	ug/kg	378	48.1	1	11/14/13 13:30	11/19/13 14:32	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	378	69.8	1	11/14/13 13:30	11/19/13 14:32	77-47-4	
Hexachloroethane	ND	ug/kg	378	99.6	1	11/14/13 13:30	11/19/13 14:32	67-72-1	
Isophorone	ND	ug/kg	378	84.7	1	11/14/13 13:30	11/19/13 14:32	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	378	114	1	11/14/13 13:30	11/19/13 14:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	378	149	1	11/14/13 13:30	11/19/13 14:32		
2-Nitroaniline	ND	ug/kg	1890	117	1	11/14/13 13:30	11/19/13 14:32	88-74-4	
3-Nitroaniline	ND	ug/kg	1890	103	1	11/14/13 13:30	11/19/13 14:32	99-09-2	
4-Nitroaniline	ND	ug/kg	755	106	1	11/14/13 13:30	11/19/13 14:32	100-01-6	
Nitrobenzene	ND	ug/kg	378	103	1	11/14/13 13:30	11/19/13 14:32	98-95-3	
2-Nitrophenol	ND	ug/kg	378	91.5	1	11/14/13 13:30	11/19/13 14:32	88-75-5	
4-Nitrophenol	ND	ug/kg	1890	67.5	1	11/14/13 13:30	11/19/13 14:32	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	378	72.1	1	11/14/13 13:30	11/19/13 14:32	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	378	112	1	11/14/13 13:30	11/19/13 14:32	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	378	101	1	11/14/13 13:30	11/19/13 14:32	108-60-1	
Pentachlorophenol	ND	ug/kg	1890	68.7	1	11/14/13 13:30	11/19/13 14:32	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-25-3-4 **Lab ID: 92179407021** Collected: 11/13/13 13:15 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	378	113	1	11/14/13 13:30	11/19/13 14:32	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	378	137	1	11/14/13 13:30	11/19/13 14:32	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	378	149	1	11/14/13 13:30	11/19/13 14:32	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	378	117	1	11/14/13 13:30	11/19/13 14:32	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	378	83.5	1	11/14/13 13:30	11/19/13 14:32	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	32	%	30-110		1	11/14/13 13:30	11/19/13 14:32	321-60-8	
Terphenyl-d14 (S)	56	%	28-110		1	11/14/13 13:30	11/19/13 14:32	1718-51-0	
Phenol-d6 (S)	27	%	22-110		1	11/14/13 13:30	11/19/13 14:32	13127-88-3	
2-Fluorophenol (S)	29	%	13-110		1	11/14/13 13:30	11/19/13 14:32	367-12-4	
2,4,6-Tribromophenol (S)	36	%	27-110		1	11/14/13 13:30	11/19/13 14:32	118-79-6	
Nitrobenzene-d5 (S)	32	%	23-110		1	11/14/13 13:30	11/19/13 14:32	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.4	1.7	1	11/14/13 10:34	11/18/13 21:11	83-32-9	
Acenaphthylene	ND	ug/kg	11.4	1.5	1	11/14/13 10:34	11/18/13 21:11	208-96-8	
Anthracene	ND	ug/kg	11.4	1.6	1	11/14/13 10:34	11/18/13 21:11	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.4	0.81	1	11/14/13 10:34	11/18/13 21:11	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.4	1.3	1	11/14/13 10:34	11/18/13 21:11	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.4	0.77	1	11/14/13 10:34	11/18/13 21:11	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.4	3.0	1	11/14/13 10:34	11/18/13 21:11	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.4	1.7	1	11/14/13 10:34	11/18/13 21:11	207-08-9	
Chrysene	ND	ug/kg	11.4	2.1	1	11/14/13 10:34	11/18/13 21:11	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.4	2.1	1	11/14/13 10:34	11/18/13 21:11	53-70-3	
Fluoranthene	ND	ug/kg	11.4	0.95	1	11/14/13 10:34	11/18/13 21:11	206-44-0	
Fluorene	ND	ug/kg	11.4	1.8	1	11/14/13 10:34	11/18/13 21:11	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.4	3.2	1	11/14/13 10:34	11/18/13 21:11	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.4	1.4	1	11/14/13 10:34	11/18/13 21:11	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.4	1.3	1	11/14/13 10:34	11/18/13 21:11	91-57-6	
Naphthalene	ND	ug/kg	11.4	2.6	1	11/14/13 10:34	11/18/13 21:11	91-20-3	
Phenanthrene	ND	ug/kg	11.4	1.7	1	11/14/13 10:34	11/18/13 21:11	85-01-8	
Pyrene	ND	ug/kg	11.4	2.1	1	11/14/13 10:34	11/18/13 21:11	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	32	%	10-128		1	11/14/13 10:34	11/18/13 21:11	4165-60-0	
2-Fluorobiphenyl (S)	32	%	10-110		1	11/14/13 10:34	11/18/13 21:11	321-60-8	
Terphenyl-d14 (S)	59	%	39-119		1	11/14/13 10:34	11/18/13 21:11	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**116**	ug/kg	92.4	9.2	1		11/14/13 22:28	67-64-1	A+
Benzene	ND	ug/kg	4.6	1.5	1		11/14/13 22:28	71-43-2	
Bromochloromethane	ND	ug/kg	4.6	1.6	1		11/14/13 22:28	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1.8	1		11/14/13 22:28	75-27-4	
Bromoform	ND	ug/kg	4.6	2.1	1		11/14/13 22:28	75-25-2	
Bromomethane	ND	ug/kg	9.2	2.3	1		11/14/13 22:28	74-83-9	
2-Butanone (MEK)	ND	ug/kg	92.4	2.7	1		11/14/13 22:28	78-93-3	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-25-3-4 **Lab ID: 92179407021** Collected: 11/13/13 13:15 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	9.2	2.8	1		11/14/13 22:28	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	2.4	1		11/14/13 22:28	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1.8	1		11/14/13 22:28	108-90-7	
Chloroethane	ND	ug/kg	9.2	2.2	1		11/14/13 22:28	75-00-3	
Chloroform	ND	ug/kg	4.6	1.5	1		11/14/13 22:28	67-66-3	
Chloromethane	ND	ug/kg	9.2	2.2	1		11/14/13 22:28	74-87-3	
Cyclohexane	ND	ug/kg	4.6	1.5	1		11/14/13 22:28	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	3.3	1		11/14/13 22:28	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1.7	1		11/14/13 22:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1.7	1		11/14/13 22:28	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1.8	1		11/14/13 22:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1.8	1		11/14/13 22:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1.6	1		11/14/13 22:28	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.2	3.3	1		11/14/13 22:28	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1.4	1		11/14/13 22:28	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	2.0	1		11/14/13 22:28	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1.7	1		11/14/13 22:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1.3	1		11/14/13 22:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1.8	1		11/14/13 22:28	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1.6	1		11/14/13 22:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1.7	1		11/14/13 22:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1.4	1		11/14/13 22:28	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	139	111	1		11/14/13 22:28	123-91-1	
Ethylbenzene	ND	ug/kg	4.6	1.7	1		11/14/13 22:28	100-41-4	
2-Hexanone	ND	ug/kg	46.2	3.6	1		11/14/13 22:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1.8	1		11/14/13 22:28	98-82-8	
Methyl acetate	ND	ug/kg	9.2	1.3	1		11/14/13 22:28	79-20-9	
Methylcyclohexane	ND	ug/kg	9.2	1.4	1		11/14/13 22:28	108-87-2	
Methylene Chloride	ND	ug/kg	18.5	2.8	1		11/14/13 22:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.2	3.4	1		11/14/13 22:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1.4	1		11/14/13 22:28	1634-04-4	
Styrene	ND	ug/kg	4.6	1.7	1		11/14/13 22:28	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1.8	1		11/14/13 22:28	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1.6	1		11/14/13 22:28	127-18-4	
Toluene	ND	ug/kg	4.6	1.7	1		11/14/13 22:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	2.0	1		11/14/13 22:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1.5	1		11/14/13 22:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1.7	1		11/14/13 22:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1.9	1		11/14/13 22:28	79-00-5	
Trichloroethene	**4.2J**	ug/kg	4.6	1.9	1		11/14/13 22:28	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	2.0	1		11/14/13 22:28	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.6	1.8	1		11/14/13 22:28	76-13-1	
Vinyl chloride	ND	ug/kg	9.2	1.7	1		11/14/13 22:28	75-01-4	
m&p-Xylene	ND	ug/kg	9.2	3.3	1		11/14/13 22:28	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1.8	1		11/14/13 22:28	95-47-6	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-25-3-4 **Lab ID: 92179407021** Collected: 11/13/13 13:15 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		11/14/13 22:28	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		11/14/13 22:28	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-132		1		11/14/13 22:28	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.6**	%	0.10	0.10	1		11/20/13 14:20		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-25-9-10 **Lab ID: 92179407022** Collected: 11/13/13 13:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	379	195	1	11/14/13 13:30	11/19/13 15:03	98-86-2	
Atrazine	ND	ug/kg	758	149	1	11/14/13 13:30	11/19/13 15:03	1912-24-9	
Benzaldehyde	ND	ug/kg	758	379	1	11/14/13 13:30	11/19/13 15:03	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	379	120	1	11/14/13 13:30	11/19/13 15:03	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	379	68.9	1	11/14/13 13:30	11/19/13 15:03	101-55-3	
Butylbenzylphthalate	ND	ug/kg	379	80.4	1	11/14/13 13:30	11/19/13 15:03	85-68-7	
Caprolactam	ND	ug/kg	379	65.5	1	11/14/13 13:30	11/19/13 15:03	105-60-2	
Carbazole	ND	ug/kg	379	72.4	1	11/14/13 13:30	11/19/13 15:03	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	758	78.1	1	11/14/13 13:30	11/19/13 15:03	59-50-7	
4-Chloroaniline	ND	ug/kg	1900	106	1	11/14/13 13:30	11/19/13 15:03	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	379	88.5	1	11/14/13 13:30	11/19/13 15:03	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	379	96.5	1	11/14/13 13:30	11/19/13 15:03	111-44-4	
2-Chloronaphthalene	ND	ug/kg	379	74.7	1	11/14/13 13:30	11/19/13 15:03	91-58-7	
2-Chlorophenol	ND	ug/kg	379	103	1	11/14/13 13:30	11/19/13 15:03	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	379	78.1	1	11/14/13 13:30	11/19/13 15:03	7005-72-3	
Dibenzofuran	ND	ug/kg	379	62.1	1	11/14/13 13:30	11/19/13 15:03	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1900	82.7	1	11/14/13 13:30	11/19/13 15:03	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	379	82.7	1	11/14/13 13:30	11/19/13 15:03	120-83-2	
Diethylphthalate	ND	ug/kg	379	58.6	1	11/14/13 13:30	11/19/13 15:03	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	379	149	1	11/14/13 13:30	11/19/13 15:03	105-67-9	
Dimethylphthalate	ND	ug/kg	379	77.0	1	11/14/13 13:30	11/19/13 15:03	131-11-3	
Di-n-butylphthalate	ND	ug/kg	379	62.1	1	11/14/13 13:30	11/19/13 15:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	758	75.8	1	11/14/13 13:30	11/19/13 15:03	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1900	62.1	1	11/14/13 13:30	11/19/13 15:03	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	379	71.2	1	11/14/13 13:30	11/19/13 15:03	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	379	79.3	1	11/14/13 13:30	11/19/13 15:03	606-20-2	
Di-n-octylphthalate	ND	ug/kg	379	79.3	1	11/14/13 13:30	11/19/13 15:03	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	379	103	1	11/14/13 13:30	11/19/13 15:03	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	379	65.5	1	11/14/13 13:30	11/19/13 15:03	87-68-3	
Hexachlorobenzene	ND	ug/kg	379	48.3	1	11/14/13 13:30	11/19/13 15:03	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	379	70.1	1	11/14/13 13:30	11/19/13 15:03	77-47-4	
Hexachloroethane	ND	ug/kg	379	100	1	11/14/13 13:30	11/19/13 15:03	67-72-1	
Isophorone	ND	ug/kg	379	85.0	1	11/14/13 13:30	11/19/13 15:03	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	379	115	1	11/14/13 13:30	11/19/13 15:03	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	379	149	1	11/14/13 13:30	11/19/13 15:03		
2-Nitroaniline	ND	ug/kg	1900	117	1	11/14/13 13:30	11/19/13 15:03	88-74-4	
3-Nitroaniline	ND	ug/kg	1900	103	1	11/14/13 13:30	11/19/13 15:03	99-09-2	
4-Nitroaniline	ND	ug/kg	758	107	1	11/14/13 13:30	11/19/13 15:03	100-01-6	
Nitrobenzene	ND	ug/kg	379	103	1	11/14/13 13:30	11/19/13 15:03	98-95-3	
2-Nitrophenol	ND	ug/kg	379	91.9	1	11/14/13 13:30	11/19/13 15:03	88-75-5	
4-Nitrophenol	ND	ug/kg	1900	67.8	1	11/14/13 13:30	11/19/13 15:03	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	379	72.4	1	11/14/13 13:30	11/19/13 15:03	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	379	113	1	11/14/13 13:30	11/19/13 15:03	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	379	101	1	11/14/13 13:30	11/19/13 15:03	108-60-1	
Pentachlorophenol	ND	ug/kg	1900	68.9	1	11/14/13 13:30	11/19/13 15:03	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-25-9-10 **Lab ID: 92179407022** Collected: 11/13/13 13:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	379	114	1	11/14/13 13:30	11/19/13 15:03	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	379	138	1	11/14/13 13:30	11/19/13 15:03	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	379	149	1	11/14/13 13:30	11/19/13 15:03	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	379	117	1	11/14/13 13:30	11/19/13 15:03	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	379	83.9	1	11/14/13 13:30	11/19/13 15:03	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	41	%	30-110		1	11/14/13 13:30	11/19/13 15:03	321-60-8	
Terphenyl-d14 (S)	60	%	28-110		1	11/14/13 13:30	11/19/13 15:03	1718-51-0	
Phenol-d6 (S)	36	%	22-110		1	11/14/13 13:30	11/19/13 15:03	13127-88-3	
2-Fluorophenol (S)	38	%	13-110		1	11/14/13 13:30	11/19/13 15:03	367-12-4	
2,4,6-Tribromophenol (S)	42	%	27-110		1	11/14/13 13:30	11/19/13 15:03	118-79-6	
Nitrobenzene-d5 (S)	42	%	23-110		1	11/14/13 13:30	11/19/13 15:03	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.5	1.7	1	11/14/13 10:34	11/19/13 11:37	83-32-9	
Acenaphthylene	ND	ug/kg	11.5	1.5	1	11/14/13 10:34	11/19/13 11:37	208-96-8	
Anthracene	ND	ug/kg	11.5	1.6	1	11/14/13 10:34	11/19/13 11:37	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.5	0.82	1	11/14/13 10:34	11/19/13 11:37	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.5	1.3	1	11/14/13 10:34	11/19/13 11:37	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.5	0.77	1	11/14/13 10:34	11/19/13 11:37	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.5	3.0	1	11/14/13 10:34	11/19/13 11:37	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.5	1.7	1	11/14/13 10:34	11/19/13 11:37	207-08-9	
Chrysene	ND	ug/kg	11.5	2.1	1	11/14/13 10:34	11/19/13 11:37	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.5	2.1	1	11/14/13 10:34	11/19/13 11:37	53-70-3	
Fluoranthene	ND	ug/kg	11.5	0.95	1	11/14/13 10:34	11/19/13 11:37	206-44-0	
Fluorene	ND	ug/kg	11.5	1.8	1	11/14/13 10:34	11/19/13 11:37	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.5	3.2	1	11/14/13 10:34	11/19/13 11:37	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.5	1.4	1	11/14/13 10:34	11/19/13 11:37	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.5	1.3	1	11/14/13 10:34	11/19/13 11:37	91-57-6	
Naphthalene	ND	ug/kg	11.5	2.6	1	11/14/13 10:34	11/19/13 11:37	91-20-3	
Phenanthrene	ND	ug/kg	11.5	1.7	1	11/14/13 10:34	11/19/13 11:37	85-01-8	
Pyrene	ND	ug/kg	11.5	2.1	1	11/14/13 10:34	11/19/13 11:37	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	36	%	10-128		1	11/14/13 10:34	11/19/13 11:37	4165-60-0	
2-Fluorobiphenyl (S)	33	%	10-110		1	11/14/13 10:34	11/19/13 11:37	321-60-8	
Terphenyl-d14 (S)	58	%	39-119		1	11/14/13 10:34	11/19/13 11:37	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**197**	ug/kg	119	11.9	1		11/14/13 22:47	67-64-1	A+
Benzene	ND	ug/kg	5.9	1.9	1		11/14/13 22:47	71-43-2	
Bromochloromethane	ND	ug/kg	5.9	2.0	1		11/14/13 22:47	74-97-5	
Bromodichloromethane	ND	ug/kg	5.9	2.3	1		11/14/13 22:47	75-27-4	
Bromoform	ND	ug/kg	5.9	2.7	1		11/14/13 22:47	75-25-2	
Bromomethane	ND	ug/kg	11.9	3.0	1		11/14/13 22:47	74-83-9	
2-Butanone (MEK)	**15.9J**	ug/kg	119	3.4	1		11/14/13 22:47	78-93-3	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-25-9-10 **Lab ID: 92179407022** Collected: 11/13/13 13:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	11.9	3.6	1		11/14/13 22:47	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.9	3.1	1		11/14/13 22:47	56-23-5	
Chlorobenzene	ND	ug/kg	5.9	2.3	1		11/14/13 22:47	108-90-7	
Chloroethane	ND	ug/kg	11.9	2.9	1		11/14/13 22:47	75-00-3	
Chloroform	ND	ug/kg	5.9	1.9	1		11/14/13 22:47	67-66-3	
Chloromethane	ND	ug/kg	11.9	2.9	1		11/14/13 22:47	74-87-3	
Cyclohexane	ND	ug/kg	5.9	1.9	1		11/14/13 22:47	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.9	4.3	1		11/14/13 22:47	96-12-8	
Dibromochloromethane	ND	ug/kg	5.9	2.1	1		11/14/13 22:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.9	2.1	1		11/14/13 22:47	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.9	2.3	1		11/14/13 22:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.9	2.4	1		11/14/13 22:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.9	2.0	1		11/14/13 22:47	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.9	4.3	1		11/14/13 22:47	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.9	1.8	1		11/14/13 22:47	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.9	2.6	1		11/14/13 22:47	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.9	2.1	1		11/14/13 22:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.9	1.7	1		11/14/13 22:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.9	2.3	1		11/14/13 22:47	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.9	2.0	1		11/14/13 22:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.9	2.1	1		11/14/13 22:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.9	1.8	1		11/14/13 22:47	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	178	143	1		11/14/13 22:47	123-91-1	
Ethylbenzene	ND	ug/kg	5.9	2.1	1		11/14/13 22:47	100-41-4	
2-Hexanone	ND	ug/kg	59.5	4.6	1		11/14/13 22:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.9	2.3	1		11/14/13 22:47	98-82-8	
Methyl acetate	ND	ug/kg	11.9	1.7	1		11/14/13 22:47	79-20-9	
Methylcyclohexane	ND	ug/kg	11.9	1.8	1		11/14/13 22:47	108-87-2	
Methylene Chloride	ND	ug/kg	23.8	3.6	1		11/14/13 22:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	59.5	4.4	1		11/14/13 22:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.9	1.8	1		11/14/13 22:47	1634-04-4	
Styrene	ND	ug/kg	5.9	2.1	1		11/14/13 22:47	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.9	2.3	1		11/14/13 22:47	79-34-5	
Tetrachloroethene	ND	ug/kg	5.9	2.0	1		11/14/13 22:47	127-18-4	
Toluene	ND	ug/kg	5.9	2.1	1		11/14/13 22:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.9	2.6	1		11/14/13 22:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.9	1.9	1		11/14/13 22:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.9	2.1	1		11/14/13 22:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.9	2.5	1		11/14/13 22:47	79-00-5	
Trichloroethene	**27.5**	ug/kg	5.9	2.5	1		11/14/13 22:47	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.9	2.6	1		11/14/13 22:47	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.9	2.3	1		11/14/13 22:47	76-13-1	
Vinyl chloride	ND	ug/kg	11.9	2.1	1		11/14/13 22:47	75-01-4	
m&p-Xylene	ND	ug/kg	11.9	4.3	1		11/14/13 22:47	179601-23-1	
o-Xylene	ND	ug/kg	5.9	2.3	1		11/14/13 22:47	95-47-6	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-25-9-10 **Lab ID: 92179407022** Collected: 11/13/13 13:25 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		11/14/13 22:47	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		11/14/13 22:47	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-132		1		11/14/13 22:47	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.0**	%	0.10	0.10	1		11/20/13 14:20		

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-25-13-14 **Lab ID: 92179407023** Collected: 11/13/13 13:35 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	432	222	1	11/14/13 13:30	11/19/13 15:35	98-86-2	
Atrazine	ND	ug/kg	864	170	1	11/14/13 13:30	11/19/13 15:35	1912-24-9	
Benzaldehyde	ND	ug/kg	864	432	1	11/14/13 13:30	11/19/13 15:35	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	432	136	1	11/14/13 13:30	11/19/13 15:35	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	432	78.5	1	11/14/13 13:30	11/19/13 15:35	101-55-3	
Butylbenzylphthalate	ND	ug/kg	432	91.6	1	11/14/13 13:30	11/19/13 15:35	85-68-7	
Caprolactam	ND	ug/kg	432	74.6	1	11/14/13 13:30	11/19/13 15:35	105-60-2	
Carbazole	ND	ug/kg	432	82.4	1	11/14/13 13:30	11/19/13 15:35	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	864	89.0	1	11/14/13 13:30	11/19/13 15:35	59-50-7	
4-Chloroaniline	ND	ug/kg	2160	120	1	11/14/13 13:30	11/19/13 15:35	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	432	101	1	11/14/13 13:30	11/19/13 15:35	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	432	110	1	11/14/13 13:30	11/19/13 15:35	111-44-4	
2-Chloronaphthalene	ND	ug/kg	432	85.1	1	11/14/13 13:30	11/19/13 15:35	91-58-7	
2-Chlorophenol	ND	ug/kg	432	118	1	11/14/13 13:30	11/19/13 15:35	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	432	89.0	1	11/14/13 13:30	11/19/13 15:35	7005-72-3	
Dibenzofuran	ND	ug/kg	432	70.7	1	11/14/13 13:30	11/19/13 15:35	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2160	94.2	1	11/14/13 13:30	11/19/13 15:35	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	432	94.2	1	11/14/13 13:30	11/19/13 15:35	120-83-2	
Diethylphthalate	ND	ug/kg	432	66.7	1	11/14/13 13:30	11/19/13 15:35	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	432	170	1	11/14/13 13:30	11/19/13 15:35	105-67-9	
Dimethylphthalate	ND	ug/kg	432	87.7	1	11/14/13 13:30	11/19/13 15:35	131-11-3	
Di-n-butylphthalate	ND	ug/kg	432	70.7	1	11/14/13 13:30	11/19/13 15:35	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	864	86.4	1	11/14/13 13:30	11/19/13 15:35	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2160	70.7	1	11/14/13 13:30	11/19/13 15:35	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	432	81.1	1	11/14/13 13:30	11/19/13 15:35	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	432	90.3	1	11/14/13 13:30	11/19/13 15:35	606-20-2	
Di-n-octylphthalate	ND	ug/kg	432	90.3	1	11/14/13 13:30	11/19/13 15:35	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	432	118	1	11/14/13 13:30	11/19/13 15:35	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	432	74.6	1	11/14/13 13:30	11/19/13 15:35	87-68-3	
Hexachlorobenzene	ND	ug/kg	432	55.0	1	11/14/13 13:30	11/19/13 15:35	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	432	79.8	1	11/14/13 13:30	11/19/13 15:35	77-47-4	
Hexachloroethane	ND	ug/kg	432	114	1	11/14/13 13:30	11/19/13 15:35	67-72-1	
Isophorone	ND	ug/kg	432	96.8	1	11/14/13 13:30	11/19/13 15:35	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	432	131	1	11/14/13 13:30	11/19/13 15:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	432	170	1	11/14/13 13:30	11/19/13 15:35		
2-Nitroaniline	ND	ug/kg	2160	133	1	11/14/13 13:30	11/19/13 15:35	88-74-4	
3-Nitroaniline	ND	ug/kg	2160	118	1	11/14/13 13:30	11/19/13 15:35	99-09-2	
4-Nitroaniline	ND	ug/kg	864	122	1	11/14/13 13:30	11/19/13 15:35	100-01-6	
Nitrobenzene	ND	ug/kg	432	118	1	11/14/13 13:30	11/19/13 15:35	98-95-3	
2-Nitrophenol	ND	ug/kg	432	105	1	11/14/13 13:30	11/19/13 15:35	88-75-5	
4-Nitrophenol	ND	ug/kg	2160	77.2	1	11/14/13 13:30	11/19/13 15:35	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	432	82.4	1	11/14/13 13:30	11/19/13 15:35	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	432	128	1	11/14/13 13:30	11/19/13 15:35	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	432	115	1	11/14/13 13:30	11/19/13 15:35	108-60-1	
Pentachlorophenol	ND	ug/kg	2160	78.5	1	11/14/13 13:30	11/19/13 15:35	87-86-5	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-25-13-14 **Lab ID: 92179407023** Collected: 11/13/13 13:35 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	432	130	1	11/14/13 13:30	11/19/13 15:35	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	432	157	1	11/14/13 13:30	11/19/13 15:35	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	432	170	1	11/14/13 13:30	11/19/13 15:35	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	432	133	1	11/14/13 13:30	11/19/13 15:35	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	432	95.5	1	11/14/13 13:30	11/19/13 15:35	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	40	%	30-110		1	11/14/13 13:30	11/19/13 15:35	321-60-8	
Terphenyl-d14 (S)	71	%	28-110		1	11/14/13 13:30	11/19/13 15:35	1718-51-0	
Phenol-d6 (S)	47	%	22-110		1	11/14/13 13:30	11/19/13 15:35	13127-88-3	
2-Fluorophenol (S)	48	%	13-110		1	11/14/13 13:30	11/19/13 15:35	367-12-4	
2,4,6-Tribromophenol (S)	72	%	27-110		1	11/14/13 13:30	11/19/13 15:35	118-79-6	
Nitrobenzene-d5 (S)	69	%	23-110		1	11/14/13 13:30	11/19/13 15:35	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	13.1	2.0	1	11/14/13 10:34	11/19/13 11:57	83-32-9	
Acenaphthylene	ND	ug/kg	13.1	1.7	1	11/14/13 10:34	11/19/13 11:57	208-96-8	
Anthracene	ND	ug/kg	13.1	1.8	1	11/14/13 10:34	11/19/13 11:57	120-12-7	
Benzo(a)anthracene	ND	ug/kg	13.1	0.93	1	11/14/13 10:34	11/19/13 11:57	56-55-3	
Benzo(a)pyrene	ND	ug/kg	13.1	1.4	1	11/14/13 10:34	11/19/13 11:57	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	13.1	0.88	1	11/14/13 10:34	11/19/13 11:57	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	13.1	3.4	1	11/14/13 10:34	11/19/13 11:57	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	13.1	2.0	1	11/14/13 10:34	11/19/13 11:57	207-08-9	
Chrysene	ND	ug/kg	13.1	2.4	1	11/14/13 10:34	11/19/13 11:57	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	13.1	2.4	1	11/14/13 10:34	11/19/13 11:57	53-70-3	
Fluoranthene	ND	ug/kg	13.1	1.1	1	11/14/13 10:34	11/19/13 11:57	206-44-0	
Fluorene	ND	ug/kg	13.1	2.1	1	11/14/13 10:34	11/19/13 11:57	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	13.1	3.7	1	11/14/13 10:34	11/19/13 11:57	193-39-5	
1-Methylnaphthalene	ND	ug/kg	13.1	1.6	1	11/14/13 10:34	11/19/13 11:57	90-12-0	
2-Methylnaphthalene	ND	ug/kg	13.1	1.4	1	11/14/13 10:34	11/19/13 11:57	91-57-6	
Naphthalene	ND	ug/kg	13.1	3.0	1	11/14/13 10:34	11/19/13 11:57	91-20-3	
Phenanthrene	ND	ug/kg	13.1	2.0	1	11/14/13 10:34	11/19/13 11:57	85-01-8	
Pyrene	**143**	ug/kg	13.1	2.4	1	11/14/13 10:34	11/19/13 11:57	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	172	%	10-128		1	11/14/13 10:34	11/19/13 11:57	4165-60-0	S2
2-Fluorobiphenyl (S)	79	%	10-110		1	11/14/13 10:34	11/19/13 11:57	321-60-8	
Terphenyl-d14 (S)	73	%	39-119		1	11/14/13 10:34	11/19/13 11:57	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**1290**	ug/kg	121	12.1	1		11/18/13 13:28	67-64-1	E
Benzene	ND	ug/kg	6.0	1.9	1		11/18/13 13:28	71-43-2	
Bromochloromethane	ND	ug/kg	6.0	2.0	1		11/18/13 13:28	74-97-5	
Bromodichloromethane	ND	ug/kg	6.0	2.3	1		11/18/13 13:28	75-27-4	
Bromoform	ND	ug/kg	6.0	2.8	1		11/18/13 13:28	75-25-2	
Bromomethane	ND	ug/kg	12.1	3.0	1		11/18/13 13:28	74-83-9	
2-Butanone (MEK)	**196**	ug/kg	121	3.5	1		11/18/13 13:28	78-93-3	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-25-13-14 **Lab ID: 92179407023** Collected: 11/13/13 13:35 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	12.1	3.6	1		11/18/13 13:28	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.0	3.1	1		11/18/13 13:28	56-23-5	
Chlorobenzene	ND	ug/kg	6.0	2.3	1		11/18/13 13:28	108-90-7	
Chloroethane	ND	ug/kg	12.1	2.9	1		11/18/13 13:28	75-00-3	
Chloroform	ND	ug/kg	6.0	1.9	1		11/18/13 13:28	67-66-3	
Chloromethane	ND	ug/kg	12.1	2.9	1		11/18/13 13:28	74-87-3	
Cyclohexane	ND	ug/kg	6.0	1.9	1		11/18/13 13:28	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.0	4.3	1		11/18/13 13:28	96-12-8	
Dibromochloromethane	ND	ug/kg	6.0	2.2	1		11/18/13 13:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.0	2.2	1		11/18/13 13:28	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	6.0	2.3	1		11/18/13 13:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.0	2.4	1		11/18/13 13:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.0	2.0	1		11/18/13 13:28	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.1	4.3	1		11/18/13 13:28	75-71-8	IO
1,1-Dichloroethane	ND	ug/kg	6.0	1.8	1		11/18/13 13:28	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.0	2.7	1		11/18/13 13:28	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.0	2.2	1		11/18/13 13:28	75-35-4	
cis-1,2-Dichloroethene	**5.7J**	ug/kg	6.0	1.7	1		11/18/13 13:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.0	2.3	1		11/18/13 13:28	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.0	2.0	1		11/18/13 13:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	6.0	2.2	1		11/18/13 13:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.0	1.8	1		11/18/13 13:28	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	181	145	1		11/18/13 13:28	123-91-1	
Ethylbenzene	ND	ug/kg	6.0	2.2	1		11/18/13 13:28	100-41-4	
2-Hexanone	ND	ug/kg	60.3	4.7	1		11/18/13 13:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.0	2.3	1		11/18/13 13:28	98-82-8	
Methyl acetate	**145**	ug/kg	12.1	1.7	1		11/18/13 13:28	79-20-9	
Methylcyclohexane	ND	ug/kg	12.1	1.8	1		11/18/13 13:28	108-87-2	
Methylene Chloride	ND	ug/kg	24.1	3.6	1		11/18/13 13:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	60.3	4.5	1		11/18/13 13:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.0	1.8	1		11/18/13 13:28	1634-04-4	
Styrene	ND	ug/kg	6.0	2.2	1		11/18/13 13:28	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.0	2.3	1		11/18/13 13:28	79-34-5	
Tetrachloroethene	**2.1J**	ug/kg	6.0	2.0	1		11/18/13 13:28	127-18-4	
Toluene	ND	ug/kg	6.0	2.2	1		11/18/13 13:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.0	2.7	1		11/18/13 13:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.0	1.9	1		11/18/13 13:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.0	2.2	1		11/18/13 13:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.0	2.5	1		11/18/13 13:28	79-00-5	
Trichloroethene	**492**	ug/kg	131	55.0	25		11/19/13 14:36	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.0	2.7	1		11/18/13 13:28	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	6.0	2.3	1		11/18/13 13:28	76-13-1	
Vinyl chloride	ND	ug/kg	12.1	2.2	1		11/18/13 13:28	75-01-4	
m&p-Xylene	ND	ug/kg	12.1	4.3	1		11/18/13 13:28	179601-23-1	
o-Xylene	ND	ug/kg	6.0	2.3	1		11/18/13 13:28	95-47-6	

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ANALYTICAL RESULTS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Sample: CTS-SB-25-13-14 **Lab ID: 92179407023** Collected: 11/13/13 13:35 Received: 11/13/13 15:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	88	%	70-130		1		11/18/13 13:28	2037-26-5	
4-Bromofluorobenzene (S)	83	%	70-130		1		11/18/13 13:28	460-00-4	
1,2-Dichloroethane-d4 (S)	128	%	70-132		1		11/18/13 13:28	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**23.6**	%	0.10	0.10	1		11/20/13 14:30		

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

QC Batch: MSV/24924
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92179407003

METHOD BLANK: 1086617
Matrix: Water
Associated Lab Samples: 92179407003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	11/14/13 23:52	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/14/13 23:52	
1,1,2-Trichloroethane	ug/L	ND	1.0	11/14/13 23:52	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	11/14/13 23:52	
1,1-Dichloroethane	ug/L	ND	1.0	11/14/13 23:52	
1,1-Dichloroethene	ug/L	ND	1.0	11/14/13 23:52	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	11/14/13 23:52	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	11/14/13 23:52	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	11/14/13 23:52	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	11/14/13 23:52	
1,2-Dichlorobenzene	ug/L	ND	1.0	11/14/13 23:52	
1,2-Dichloroethane	ug/L	ND	1.0	11/14/13 23:52	
1,2-Dichloropropane	ug/L	ND	1.0	11/14/13 23:52	
1,3-Dichlorobenzene	ug/L	ND	1.0	11/14/13 23:52	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/14/13 23:52	
1,4-Dioxane (p-Dioxane)	ug/L	105J	150	11/14/13 23:52	
2-Butanone (MEK)	ug/L	ND	5.0	11/14/13 23:52	
2-Hexanone	ug/L	ND	5.0	11/14/13 23:52	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	11/14/13 23:52	
Acetone	ug/L	ND	25.0	11/14/13 23:52	
Benzene	ug/L	ND	1.0	11/14/13 23:52	
Bromochloromethane	ug/L	ND	1.0	11/14/13 23:52	
Bromodichloromethane	ug/L	ND	1.0	11/14/13 23:52	
Bromoform	ug/L	ND	1.0	11/14/13 23:52	
Bromomethane	ug/L	ND	2.0	11/14/13 23:52	
Carbon disulfide	ug/L	ND	2.0	11/14/13 23:52	
Carbon tetrachloride	ug/L	ND	1.0	11/14/13 23:52	
Chlorobenzene	ug/L	ND	1.0	11/14/13 23:52	
Chloroethane	ug/L	ND	1.0	11/14/13 23:52	
Chloroform	ug/L	ND	1.0	11/14/13 23:52	
Chloromethane	ug/L	ND	1.0	11/14/13 23:52	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/14/13 23:52	
cis-1,3-Dichloropropene	ug/L	ND	1.0	11/14/13 23:52	
Cyclohexane	ug/L	ND	1.0	11/14/13 23:52	
Dibromochloromethane	ug/L	ND	1.0	11/14/13 23:52	
Dichlorodifluoromethane	ug/L	ND	1.0	11/14/13 23:52	
Ethylbenzene	ug/L	ND	1.0	11/14/13 23:52	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	11/14/13 23:52	
m&p-Xylene	ug/L	ND	2.0	11/14/13 23:52	
Methyl acetate	ug/L	ND	10.0	11/14/13 23:52	
Methyl-tert-butyl ether	ug/L	ND	1.0	11/14/13 23:52	
Methylcyclohexane	ug/L	ND	10.0	11/14/13 23:52	
Methylene Chloride	ug/L	ND	2.0	11/14/13 23:52	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

METHOD BLANK: 1086617 Matrix: Water

Associated Lab Samples: 92179407003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
o-Xylene	ug/L	ND	1.0	11/14/13 23:52	
Styrene	ug/L	ND	1.0	11/14/13 23:52	
Tetrachloroethene	ug/L	ND	1.0	11/14/13 23:52	
Toluene	ug/L	ND	1.0	11/14/13 23:52	
trans-1,2-Dichloroethene	ug/L	ND	1.0	11/14/13 23:52	
trans-1,3-Dichloropropene	ug/L	ND	1.0	11/14/13 23:52	
Trichloroethene	ug/L	ND	1.0	11/14/13 23:52	
Trichlorofluoromethane	ug/L	ND	1.0	11/14/13 23:52	
Vinyl chloride	ug/L	ND	1.0	11/14/13 23:52	
1,2-Dichloroethane-d4 (S)	%	103	70-130	11/14/13 23:52	
4-Bromofluorobenzene (S)	%	100	70-130	11/14/13 23:52	
Toluene-d8 (S)	%	95	70-130	11/14/13 23:52	

LABORATORY CONTROL SAMPLE: 1086618

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.3	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.5	105	70-130	
1,1,2-Trichloroethane	ug/L	50	54.1	108	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	60.3	121	70-130	
1,1-Dichloroethane	ug/L	50	53.4	107	70-130	
1,1-Dichloroethene	ug/L	50	60.6	121	70-132	
1,2,3-Trichlorobenzene	ug/L	50	55.3	111	70-135	
1,2,4-Trichlorobenzene	ug/L	50	57.0	114	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	54.6	109	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	53.0	106	70-130	
1,2-Dichlorobenzene	ug/L	50	56.1	112	70-130	
1,2-Dichloroethane	ug/L	50	53.5	107	70-130	
1,2-Dichloropropane	ug/L	50	55.4	111	70-130	
1,3-Dichlorobenzene	ug/L	50	55.2	110	70-130	
1,4-Dichlorobenzene	ug/L	50	55.4	111	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	1100	110	70-130	
2-Butanone (MEK)	ug/L	100	98.5	98	70-145	
2-Hexanone	ug/L	100	111	111	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	112	112	70-140	
Acetone	ug/L	100	101	101	50-175	
Benzene	ug/L	50	54.0	108	70-130	
Bromochloromethane	ug/L	50	50.1	100	70-130	
Bromodichloromethane	ug/L	50	56.1	112	70-130	
Bromoform	ug/L	50	54.1	108	70-130	
Bromomethane	ug/L	50	50.8	102	54-130	
Carbon disulfide	ug/L	50	61.9	124	70-131	
Carbon tetrachloride	ug/L	50	54.2	108	70-132	
Chlorobenzene	ug/L	50	53.8	108	70-130	
Chloroethane	ug/L	50	56.8	114	64-134	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

LABORATORY CONTROL SAMPLE: 1086618

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	50	52.8	106	70-130	
Chloromethane	ug/L	50	49.2	98	64-130	
cis-1,2-Dichloroethene	ug/L	50	54.3	109	70-131	
cis-1,3-Dichloropropene	ug/L	50	56.2	112	70-130	
Cyclohexane	ug/L	50	61.8	124	70-130	
Dibromochloromethane	ug/L	50	54.7	109	70-130	
Dichlorodifluoromethane	ug/L	50	55.0	110	56-130	
Ethylbenzene	ug/L	50	52.2	104	70-130	
Isopropylbenzene (Cumene)	ug/L	50	56.5	113	70-130	
m&p-Xylene	ug/L	100	109	109	70-130	
Methyl acetate	ug/L	50	49.5	99	70-130	
Methyl-tert-butyl ether	ug/L	50	58.3	117	70-130	
Methylcyclohexane	ug/L	50	60.2	120	70-130	
Methylene Chloride	ug/L	50	55.9	112	63-130	
o-Xylene	ug/L	50	55.7	111	70-130	
Styrene	ug/L	50	54.0	108	70-130	
Tetrachloroethene	ug/L	50	54.9	110	70-130	
Toluene	ug/L	50	53.6	107	70-130	
trans-1,2-Dichloroethene	ug/L	50	54.1	108	70-130	
trans-1,3-Dichloropropene	ug/L	50	61.4	123	70-132	
Trichloroethene	ug/L	50	53.5	107	70-130	
Trichlorofluoromethane	ug/L	50	54.9	110	62-133	
Vinyl chloride	ug/L	50	48.8	98	69-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1086619 1086620

Parameter	Units	92179423005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	61.8	51.8	124	104	70-166	18	30	
Benzene	ug/L	ND	50	50	57.7	63.2	115	126	70-148	9	30	
Chlorobenzene	ug/L	ND	50	50	53.7	56.4	107	113	70-146	5	30	
Toluene	ug/L	ND	50	50	52.5	59.2	105	118	70-155	12	30	
Trichloroethene	ug/L	ND	50	50	59.7	65.9	119	132	69-151	10	30	
1,2-Dichloroethane-d4 (S)	%						97	98	70-130			
4-Bromofluorobenzene (S)	%						101	105	70-130			
Toluene-d8 (S)	%						99	105	70-130			

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

QC Batch: MSV/24931
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92179407004

METHOD BLANK: 1087628
Matrix: Water
Associated Lab Samples: 92179407004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	11/18/13 13:35	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/18/13 13:35	
1,1,2-Trichloroethane	ug/L	ND	1.0	11/18/13 13:35	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	11/18/13 13:35	
1,1-Dichloroethane	ug/L	ND	1.0	11/18/13 13:35	
1,1-Dichloroethene	ug/L	ND	1.0	11/18/13 13:35	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	11/18/13 13:35	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	11/18/13 13:35	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	11/18/13 13:35	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	11/18/13 13:35	
1,2-Dichlorobenzene	ug/L	ND	1.0	11/18/13 13:35	
1,2-Dichloroethane	ug/L	ND	1.0	11/18/13 13:35	
1,2-Dichloropropane	ug/L	ND	1.0	11/18/13 13:35	
1,3-Dichlorobenzene	ug/L	ND	1.0	11/18/13 13:35	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/18/13 13:35	
1,4-Dioxane (p-Dioxane)	ug/L	ND	150	11/18/13 13:35	
2-Butanone (MEK)	ug/L	ND	5.0	11/18/13 13:35	
2-Hexanone	ug/L	ND	5.0	11/18/13 13:35	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	11/18/13 13:35	
Acetone	ug/L	ND	25.0	11/18/13 13:35	
Benzene	ug/L	ND	1.0	11/18/13 13:35	
Bromochloromethane	ug/L	ND	1.0	11/18/13 13:35	
Bromodichloromethane	ug/L	ND	1.0	11/18/13 13:35	
Bromoform	ug/L	ND	1.0	11/18/13 13:35	
Bromomethane	ug/L	ND	2.0	11/18/13 13:35	
Carbon disulfide	ug/L	ND	2.0	11/18/13 13:35	
Carbon tetrachloride	ug/L	ND	1.0	11/18/13 13:35	
Chlorobenzene	ug/L	ND	1.0	11/18/13 13:35	
Chloroethane	ug/L	ND	1.0	11/18/13 13:35	
Chloroform	ug/L	ND	1.0	11/18/13 13:35	
Chloromethane	ug/L	ND	1.0	11/18/13 13:35	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/18/13 13:35	
cis-1,3-Dichloropropene	ug/L	ND	1.0	11/18/13 13:35	
Cyclohexane	ug/L	ND	1.0	11/18/13 13:35	
Dibromochloromethane	ug/L	ND	1.0	11/18/13 13:35	
Dichlorodifluoromethane	ug/L	ND	1.0	11/18/13 13:35	
Ethylbenzene	ug/L	ND	1.0	11/18/13 13:35	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	11/18/13 13:35	
m&p-Xylene	ug/L	ND	2.0	11/18/13 13:35	
Methyl acetate	ug/L	ND	10.0	11/18/13 13:35	
Methyl-tert-butyl ether	ug/L	ND	1.0	11/18/13 13:35	
Methylcyclohexane	ug/L	ND	10.0	11/18/13 13:35	
Methylene Chloride	ug/L	ND	2.0	11/18/13 13:35	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

METHOD BLANK: 1087628 Matrix: Water

Associated Lab Samples: 92179407004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
o-Xylene	ug/L	ND	1.0	11/18/13 13:35	
Styrene	ug/L	ND	1.0	11/18/13 13:35	
Tetrachloroethene	ug/L	ND	1.0	11/18/13 13:35	
Toluene	ug/L	ND	1.0	11/18/13 13:35	
trans-1,2-Dichloroethene	ug/L	ND	1.0	11/18/13 13:35	
trans-1,3-Dichloropropene	ug/L	ND	1.0	11/18/13 13:35	
Trichloroethene	ug/L	ND	1.0	11/18/13 13:35	
Trichlorofluoromethane	ug/L	ND	1.0	11/18/13 13:35	
Vinyl chloride	ug/L	ND	1.0	11/18/13 13:35	
1,2-Dichloroethane-d4 (S)	%	105	70-130	11/18/13 13:35	
4-Bromofluorobenzene (S)	%	103	70-130	11/18/13 13:35	
Toluene-d8 (S)	%	102	70-130	11/18/13 13:35	

LABORATORY CONTROL SAMPLE: 1087629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.9	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.8	100	70-130	
1,1,2-Trichloroethane	ug/L	50	51.4	103	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	55.2	110	70-130	
1,1-Dichloroethane	ug/L	50	51.4	103	70-130	
1,1-Dichloroethene	ug/L	50	50.2	100	70-132	
1,2,3-Trichlorobenzene	ug/L	50	55.1	110	70-135	
1,2,4-Trichlorobenzene	ug/L	50	57.4	115	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	51.5	103	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.4	101	70-130	
1,2-Dichlorobenzene	ug/L	50	55.6	111	70-130	
1,2-Dichloroethane	ug/L	50	51.3	103	70-130	
1,2-Dichloropropane	ug/L	50	55.5	111	70-130	
1,3-Dichlorobenzene	ug/L	50	54.4	109	70-130	
1,4-Dichlorobenzene	ug/L	50	53.8	108	70-130	
1,4-Dioxane (p-Dioxane)	ug/L	1000	611	61	70-130	L0
2-Butanone (MEK)	ug/L	100	77.7	78	70-145	
2-Hexanone	ug/L	100	103	103	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	102	102	70-140	
Acetone	ug/L	100	84.0	84	50-175	
Benzene	ug/L	50	51.6	103	70-130	
Bromochloromethane	ug/L	50	48.2	96	70-130	
Bromodichloromethane	ug/L	50	54.2	108	70-130	
Bromoform	ug/L	50	47.2	94	70-130	
Bromomethane	ug/L	50	55.9	112	54-130	
Carbon disulfide	ug/L	50	54.6	109	70-131	
Carbon tetrachloride	ug/L	50	52.0	104	70-132	
Chlorobenzene	ug/L	50	50.8	102	70-130	
Chloroethane	ug/L	50	55.7	111	64-134	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

LABORATORY CONTROL SAMPLE: 1087629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	50	50.8	102	70-130	
Chloromethane	ug/L	50	51.7	103	64-130	
cis-1,2-Dichloroethene	ug/L	50	52.1	104	70-131	
cis-1,3-Dichloropropene	ug/L	50	59.4	119	70-130	
Cyclohexane	ug/L	50	61.9	124	70-130	F3
Dibromochloromethane	ug/L	50	47.2	94	70-130	
Dichlorodifluoromethane	ug/L	50	55.4	111	56-130	
Ethylbenzene	ug/L	50	50.1	100	70-130	
Isopropylbenzene (Cumene)	ug/L	50	55.8	112	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl acetate	ug/L	50	46.3	93	70-130	
Methyl-tert-butyl ether	ug/L	50	55.5	111	70-130	
Methylcyclohexane	ug/L	50	61.7	123	70-130	
Methylene Chloride	ug/L	50	57.1	114	63-130	
o-Xylene	ug/L	50	56.4	113	70-130	
Styrene	ug/L	50	54.2	108	70-130	
Tetrachloroethene	ug/L	50	52.4	105	70-130	
Toluene	ug/L	50	51.9	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	53.2	106	70-130	
trans-1,3-Dichloropropene	ug/L	50	57.1	114	70-132	
Trichloroethene	ug/L	50	51.0	102	70-130	
Trichlorofluoromethane	ug/L	50	48.7	97	62-133	
Vinyl chloride	ug/L	50	51.6	103	69-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1087630 1087631

Parameter	Units	92179417002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	60.5	64.4	121	129	70-166	6	30	
Benzene	ug/L	ND	50	50	61.1	57.0	122	114	70-148	7	30	
Chlorobenzene	ug/L	ND	50	50	57.1	53.5	112	105	70-146	7	30	
Toluene	ug/L	ND	50	50	56.0	52.2	112	104	70-155	7	30	
Trichloroethene	ug/L	ND	50	50	60.2	57.2	120	114	69-151	5	30	
1,2-Dichloroethane-d4 (S)	%						99	100	70-130			
4-Bromofluorobenzene (S)	%						99	99	70-130			
Toluene-d8 (S)	%						99	98	70-130			

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

QC Batch: MSV/24917 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92179407001, 92179407002, 92179407005, 92179407006, 92179407007, 92179407008, 92179407009, 92179407010, 92179407011, 92179407012, 92179407013, 92179407014, 92179407015, 92179407017, 92179407018, 92179407019, 92179407020, 92179407021, 92179407022

METHOD BLANK: 1086385 Matrix: Solid
Associated Lab Samples: 92179407001, 92179407002, 92179407005, 92179407006, 92179407007, 92179407008, 92179407009, 92179407010, 92179407011, 92179407012, 92179407013, 92179407014, 92179407015, 92179407017, 92179407018, 92179407019, 92179407020, 92179407021, 92179407022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.5	11/14/13 12:20	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.5	11/14/13 12:20	
1,1,2-Trichloroethane	ug/kg	ND	5.5	11/14/13 12:20	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	5.5	11/14/13 12:20	
1,1-Dichloroethane	ug/kg	ND	5.5	11/14/13 12:20	
1,1-Dichloroethene	ug/kg	ND	5.5	11/14/13 12:20	
1,2,3-Trichlorobenzene	ug/kg	ND	5.5	11/14/13 12:20	
1,2,4-Trichlorobenzene	ug/kg	ND	5.5	11/14/13 12:20	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.5	11/14/13 12:20	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.5	11/14/13 12:20	
1,2-Dichlorobenzene	ug/kg	ND	5.5	11/14/13 12:20	
1,2-Dichloroethane	ug/kg	ND	5.5	11/14/13 12:20	
1,2-Dichloropropane	ug/kg	ND	5.5	11/14/13 12:20	
1,3-Dichlorobenzene	ug/kg	ND	5.5	11/14/13 12:20	
1,4-Dichlorobenzene	ug/kg	ND	5.5	11/14/13 12:20	
1,4-Dioxane (p-Dioxane)	ug/kg	ND	165	11/14/13 12:20	
2-Butanone (MEK)	ug/kg	ND	110	11/14/13 12:20	
2-Hexanone	ug/kg	ND	54.9	11/14/13 12:20	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	54.9	11/14/13 12:20	
Acetone	ug/kg	ND	110	11/14/13 12:20	
Benzene	ug/kg	ND	5.5	11/14/13 12:20	
Bromochloromethane	ug/kg	ND	5.5	11/14/13 12:20	
Bromodichloromethane	ug/kg	ND	5.5	11/14/13 12:20	
Bromoform	ug/kg	ND	5.5	11/14/13 12:20	
Bromomethane	ug/kg	ND	11.0	11/14/13 12:20	
Carbon disulfide	ug/kg	ND	11.0	11/14/13 12:20	
Carbon tetrachloride	ug/kg	ND	5.5	11/14/13 12:20	
Chlorobenzene	ug/kg	ND	5.5	11/14/13 12:20	
Chloroethane	ug/kg	ND	11.0	11/14/13 12:20	
Chloroform	ug/kg	ND	5.5	11/14/13 12:20	
Chloromethane	ug/kg	ND	11.0	11/14/13 12:20	
cis-1,2-Dichloroethene	ug/kg	ND	5.5	11/14/13 12:20	
cis-1,3-Dichloropropene	ug/kg	ND	5.5	11/14/13 12:20	
Cyclohexane	ug/kg	ND	5.5	11/14/13 12:20	
Dibromochloromethane	ug/kg	ND	5.5	11/14/13 12:20	
Dichlorodifluoromethane	ug/kg	ND	11.0	11/14/13 12:20	
Ethylbenzene	ug/kg	ND	5.5	11/14/13 12:20	
Isopropylbenzene (Cumene)	ug/kg	ND	5.5	11/14/13 12:20	
m&p-Xylene	ug/kg	ND	11.0	11/14/13 12:20	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

METHOD BLANK: 1086385 Matrix: Solid

Associated Lab Samples: 92179407001, 92179407002, 92179407005, 92179407006, 92179407007, 92179407008, 92179407009, 92179407010, 92179407011, 92179407012, 92179407013, 92179407014, 92179407015, 92179407017, 92179407018, 92179407019, 92179407020, 92179407021, 92179407022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methyl acetate	ug/kg	ND	11.0	11/14/13 12:20	
Methyl-tert-butyl ether	ug/kg	ND	5.5	11/14/13 12:20	
Methylcyclohexane	ug/kg	ND	11.0	11/14/13 12:20	
Methylene Chloride	ug/kg	ND	22.0	11/14/13 12:20	
o-Xylene	ug/kg	ND	5.5	11/14/13 12:20	
Styrene	ug/kg	ND	5.5	11/14/13 12:20	
Tetrachloroethene	ug/kg	ND	5.5	11/14/13 12:20	
Toluene	ug/kg	ND	5.5	11/14/13 12:20	
trans-1,2-Dichloroethene	ug/kg	ND	5.5	11/14/13 12:20	
trans-1,3-Dichloropropene	ug/kg	ND	5.5	11/14/13 12:20	
Trichloroethene	ug/kg	ND	5.5	11/14/13 12:20	
Trichlorofluoromethane	ug/kg	ND	5.5	11/14/13 12:20	
Vinyl chloride	ug/kg	ND	11.0	11/14/13 12:20	
Xylene (Total)	ug/kg	ND	11.0	11/14/13 12:20	
1,2-Dichloroethane-d4 (S)	%	103	70-132	11/14/13 12:20	
4-Bromofluorobenzene (S)	%	102	70-130	11/14/13 12:20	
Toluene-d8 (S)	%	99	70-130	11/14/13 12:20	

LABORATORY CONTROL SAMPLE: 1086386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	53.3	53.3	100	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	53.3	53.5	100	70-130	
1,1,2-Trichloroethane	ug/kg	53.3	55.3	104	70-132	
1,1,2-Trichlorotrifluoroethane	ug/kg	53.3	55.6	104	70-130	
1,1-Dichloroethane	ug/kg	53.3	53.9	101	70-143	
1,1-Dichloroethene	ug/kg	53.3	55.6	104	70-137	
1,2,3-Trichlorobenzene	ug/kg	53.3	55.1	103	69-153	
1,2,4-Trichlorobenzene	ug/kg	53.3	56.9	107	55-171	
1,2-Dibromo-3-chloropropane	ug/kg	53.3	49.7	93	68-141	
1,2-Dibromoethane (EDB)	ug/kg	53.3	54.2	102	70-130	
1,2-Dichlorobenzene	ug/kg	53.3	57.6	108	70-140	
1,2-Dichloroethane	ug/kg	53.3	53.5	100	70-137	
1,2-Dichloropropane	ug/kg	53.3	58.2	109	70-133	
1,3-Dichlorobenzene	ug/kg	53.3	56.7	106	70-144	
1,4-Dichlorobenzene	ug/kg	53.3	57.3	107	70-142	
1,4-Dioxane (p-Dioxane)	ug/kg	1070	976	92	70-130	
2-Butanone (MEK)	ug/kg	107	99.9J	94	70-149	
2-Hexanone	ug/kg	107	107	100	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	107	112	105	70-153	
Acetone	ug/kg	107	96.8J	91	70-157	
Benzene	ug/kg	53.3	53.2	100	70-130	
Bromochloromethane	ug/kg	53.3	56.4	106	70-149	
Bromodichloromethane	ug/kg	53.3	56.9	107	70-130	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

LABORATORY CONTROL SAMPLE: 1086386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	53.3	51.1	96	70-131	
Bromomethane	ug/kg	53.3	52.6	99	64-136	
Carbon disulfide	ug/kg	53.3	51.3	96	70-130	
Carbon tetrachloride	ug/kg	53.3	50.9	96	70-154	
Chlorobenzene	ug/kg	53.3	54.2	102	70-135	
Chloroethane	ug/kg	53.3	57.3	107	68-151	
Chloroform	ug/kg	53.3	53.3	100	70-130	
Chloromethane	ug/kg	53.3	52.9	99	70-132	
cis-1,2-Dichloroethene	ug/kg	53.3	53.1	100	70-140	
cis-1,3-Dichloropropene	ug/kg	53.3	59.5	112	70-137	
Cyclohexane	ug/kg	53.3	56.4	106	70-130	
Dibromochloromethane	ug/kg	53.3	54.6	102	70-130	
Dichlorodifluoromethane	ug/kg	53.3	49.0	92	36-148	
Ethylbenzene	ug/kg	53.3	53.8	101	70-137	
Isopropylbenzene (Cumene)	ug/kg	53.3	56.5	106	70-141	
m&p-Xylene	ug/kg	107	110	103	70-140	
Methyl acetate	ug/kg	53.3	61.9	116	70-130	
Methyl-tert-butyl ether	ug/kg	53.3	55.4	104	45-150	
Methylcyclohexane	ug/kg	53.3	58.5	110	70-130	
Methylene Chloride	ug/kg	53.3	53.1	100	70-133	
o-Xylene	ug/kg	53.3	57.3	107	70-141	
Styrene	ug/kg	53.3	55.3	104	70-138	
Tetrachloroethene	ug/kg	53.3	54.0	101	70-140	
Toluene	ug/kg	53.3	53.3	100	70-130	
trans-1,2-Dichloroethene	ug/kg	53.3	53.3	100	70-136	
trans-1,3-Dichloropropene	ug/kg	53.3	63.7	119	70-138	
Trichloroethene	ug/kg	53.3	53.3	100	70-132	
Trichlorofluoromethane	ug/kg	53.3	54.6	102	69-134	
Vinyl chloride	ug/kg	53.3	49.1	92	55-140	
Xylene (Total)	ug/kg	160	167	105	70-141	
1,2-Dichloroethane-d4 (S)	%			103	70-132	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1086387 1086388

Parameter	Units	92179407022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	ND	53.8	67.1	49.4	64.4	92	96	70-130	26	30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	53.8	67.1	55.4	74.0	103	110	70-130	29	30	
1,1,2-Trichloroethane	ug/kg	ND	53.8	67.1	54.4	71.6	101	107	70-130	27	30	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	53.8	67.1	51.2	69.3	95	103	70-130	30	30	
1,1-Dichloroethane	ug/kg	ND	53.8	67.1	49.2	65.5	91	98	70-130	28	30	
1,1-Dichloroethene	ug/kg	ND	53.8	67.1	50.6	65.1	94	97	49-180	25	30	
1,2,3-Trichlorobenzene	ug/kg	ND	53.8	67.1	52.3	71.9	97	107	70-130	32	30	R1
1,2,4-Trichlorobenzene	ug/kg	ND	53.8	67.1	53.3	73.6	99	110	70-130	32	30	R1
1,2-Dibromo-3-chloropropane	ug/kg	ND	53.8	67.1	54.5	70.2	101	105	70-130	25	30	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1086387 1086388

Parameter	Units	92179407022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/kg	ND	53.8	67.1	54.9	74.1	102	110	70-130	30	30	
1,2-Dichlorobenzene	ug/kg	ND	53.8	67.1	55.7	73.6	104	110	70-130	28	30	
1,2-Dichloroethane	ug/kg	ND	53.8	67.1	53.8	71.5	100	106	70-130	28	30	
1,2-Dichloropropane	ug/kg	ND	53.8	67.1	53.8	69.3	100	103	70-130	25	30	
1,3-Dichlorobenzene	ug/kg	ND	53.8	67.1	55.0	71.6	102	107	70-130	26	30	
1,4-Dichlorobenzene	ug/kg	ND	53.8	67.1	54.6	72.8	101	109	70-130	29	30	
1,4-Dioxane (p-Dioxane)	ug/kg	ND	1080	1340	1040	1260	97	93	70-130	18	30	
2-Butanone (MEK)	ug/kg	15.9J	108	134	126	157	102	105	70-130	22	30	
2-Hexanone	ug/kg	ND	108	134	116	158	108	118	70-130	31	30	R1
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	108	134	116	151	108	112	70-130	26	30	
Acetone	ug/kg	197	108	134	275	618	73	314	70-130	77	30	E,M0, R1
Benzene	ug/kg	ND	53.8	67.1	50.3	64.3	93	96	50-166	25	30	
Bromochloromethane	ug/kg	ND	53.8	67.1	51.4	69.2	96	103	70-130	29	30	
Bromodichloromethane	ug/kg	ND	53.8	67.1	52.7	70.0	98	104	70-130	28	30	
Bromoform	ug/kg	ND	53.8	67.1	48.9	67.2	91	100	70-130	31	30	R1
Bromomethane	ug/kg	ND	53.8	67.1	45.6	47.1	85	70	70-130	3	30	
Carbon disulfide	ug/kg	ND	53.8	67.1	46.5	62.1	87	93	70-130	29	30	
Carbon tetrachloride	ug/kg	ND	53.8	67.1	46.6	58.6	87	87	70-130	23	30	
Chlorobenzene	ug/kg	ND	53.8	67.1	50.9	67.1	95	100	43-169	27	30	
Chloroethane	ug/kg	ND	53.8	67.1	48.5	68.1	90	101	70-130	34	30	R1
Chloroform	ug/kg	ND	53.8	67.1	53.2	68.4	96	100	70-130	25	30	
Chloromethane	ug/kg	ND	53.8	67.1	50.1	65.5	93	98	70-130	27	30	
cis-1,2-Dichloroethene	ug/kg	ND	53.8	67.1	54.0	69.8	98	102	70-130	25	30	
cis-1,3-Dichloropropene	ug/kg	ND	53.8	67.1	55.7	72.6	104	108	70-130	26	30	
Cyclohexane	ug/kg	ND	53.8	67.1	55.4	71.9	103	107	70-130	26	30	
Dibromochloromethane	ug/kg	ND	53.8	67.1	53.8	73.0	100	109	70-130	30	30	
Dichlorodifluoromethane	ug/kg	ND	53.8	67.1	42.7	59.8	79	89	70-130	33	30	R1
Ethylbenzene	ug/kg	ND	53.8	67.1	49.4	65.3	92	97	70-130	28	30	
Isopropylbenzene (Cumene)	ug/kg	ND	53.8	67.1	54.2	71.1	101	106	70-130	27	30	
m&p-Xylene	ug/kg	ND	108	134	102	137	95	102	70-130	29	30	
Methyl acetate	ug/kg	ND	53.8	67.1	60.4	81.3	112	121	70-130	29	30	
Methyl-tert-butyl ether	ug/kg	ND	53.8	67.1	54.8	72.9	102	109	70-130	28	30	
Methylcyclohexane	ug/kg	ND	53.8	67.1	61.2	74.9	114	112	70-130	20	30	
Methylene Chloride	ug/kg	ND	53.8	67.1	46.1	62.2	86	93	70-130	30	30	
o-Xylene	ug/kg	ND	53.8	67.1	52.6	69.9	98	104	70-130	28	30	
Styrene	ug/kg	ND	53.8	67.1	25.2	39.2	47	58	70-130	43	30	M0,R1
Tetrachloroethene	ug/kg	ND	53.8	67.1	51.5	65.9	96	98	70-130	24	30	
Toluene	ug/kg	ND	53.8	67.1	49.2	63.5	91	94	52-163	25	30	
trans-1,2-Dichloroethene	ug/kg	ND	53.8	67.1	51.7	65.8	96	98	70-130	24	30	
trans-1,3-Dichloropropene	ug/kg	ND	53.8	67.1	59.4	78.7	110	117	70-130	28	30	
Trichloroethene	ug/kg	27.5	53.8	67.1	62.3	74.6	65	70	49-167	18	30	
Trichlorofluoromethane	ug/kg	ND	53.8	67.1	51.7	69.1	96	103	70-130	29	30	
Vinyl chloride	ug/kg	ND	53.8	67.1	43.9	59.5	82	89	70-130	30	30	
1,2-Dichloroethane-d4 (S)	%						106	103	70-132			
4-Bromofluorobenzene (S)	%						96	99	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

QC Batch: MSV/24951
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92179407016, 92179407023

METHOD BLANK: 1088650
Matrix: Solid
Associated Lab Samples: 92179407016, 92179407023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.2	11/18/13 12:48	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.2	11/18/13 12:48	
1,1,2-Trichloroethane	ug/kg	ND	5.2	11/18/13 12:48	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	5.2	11/18/13 12:48	
1,1-Dichloroethane	ug/kg	ND	5.2	11/18/13 12:48	
1,1-Dichloroethene	ug/kg	ND	5.2	11/18/13 12:48	
1,2,3-Trichlorobenzene	ug/kg	ND	5.2	11/18/13 12:48	
1,2,4-Trichlorobenzene	ug/kg	1.9J	5.2	11/18/13 12:48	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.2	11/18/13 12:48	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.2	11/18/13 12:48	
1,2-Dichlorobenzene	ug/kg	ND	5.2	11/18/13 12:48	
1,2-Dichloroethane	ug/kg	ND	5.2	11/18/13 12:48	
1,2-Dichloropropane	ug/kg	ND	5.2	11/18/13 12:48	
1,3-Dichlorobenzene	ug/kg	ND	5.2	11/18/13 12:48	
1,4-Dichlorobenzene	ug/kg	2.0J	5.2	11/18/13 12:48	
1,4-Dioxane (p-Dioxane)	ug/kg	ND	156	11/18/13 12:48	
2-Butanone (MEK)	ug/kg	ND	104	11/18/13 12:48	
2-Hexanone	ug/kg	ND	51.9	11/18/13 12:48	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	51.9	11/18/13 12:48	
Acetone	ug/kg	ND	104	11/18/13 12:48	
Benzene	ug/kg	ND	5.2	11/18/13 12:48	
Bromochloromethane	ug/kg	ND	5.2	11/18/13 12:48	
Bromodichloromethane	ug/kg	ND	5.2	11/18/13 12:48	
Bromoform	ug/kg	ND	5.2	11/18/13 12:48	
Bromomethane	ug/kg	ND	10.4	11/18/13 12:48	
Carbon disulfide	ug/kg	ND	10.4	11/18/13 12:48	
Carbon tetrachloride	ug/kg	ND	5.2	11/18/13 12:48	
Chlorobenzene	ug/kg	ND	5.2	11/18/13 12:48	
Chloroethane	ug/kg	ND	10.4	11/18/13 12:48	
Chloroform	ug/kg	ND	5.2	11/18/13 12:48	
Chloromethane	ug/kg	ND	10.4	11/18/13 12:48	
cis-1,2-Dichloroethene	ug/kg	ND	5.2	11/18/13 12:48	
cis-1,3-Dichloropropene	ug/kg	ND	5.2	11/18/13 12:48	
Cyclohexane	ug/kg	ND	5.2	11/18/13 12:48	
Dibromochloromethane	ug/kg	ND	5.2	11/18/13 12:48	
Dichlorodifluoromethane	ug/kg	ND	10.4	11/18/13 12:48	
Ethylbenzene	ug/kg	ND	5.2	11/18/13 12:48	
Isopropylbenzene (Cumene)	ug/kg	ND	5.2	11/18/13 12:48	
m&p-Xylene	ug/kg	ND	10.4	11/18/13 12:48	
Methyl acetate	ug/kg	ND	10.4	11/18/13 12:48	
Methyl-tert-butyl ether	ug/kg	ND	5.2	11/18/13 12:48	
Methylcyclohexane	ug/kg	ND	10.4	11/18/13 12:48	
Methylene Chloride	ug/kg	ND	20.7	11/18/13 12:48	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

METHOD BLANK: 1088650 Matrix: Solid

Associated Lab Samples: 92179407016, 92179407023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
o-Xylene	ug/kg	ND	5.2	11/18/13 12:48	
Styrene	ug/kg	ND	5.2	11/18/13 12:48	
Tetrachloroethene	ug/kg	ND	5.2	11/18/13 12:48	
Toluene	ug/kg	ND	5.2	11/18/13 12:48	
trans-1,2-Dichloroethene	ug/kg	ND	5.2	11/18/13 12:48	
trans-1,3-Dichloropropene	ug/kg	ND	5.2	11/18/13 12:48	
Trichloroethene	ug/kg	ND	5.2	11/18/13 12:48	
Trichlorofluoromethane	ug/kg	ND	5.2	11/18/13 12:48	
Vinyl chloride	ug/kg	ND	10.4	11/18/13 12:48	
1,2-Dichloroethane-d4 (S)	%	112	70-132	11/18/13 12:48	
4-Bromofluorobenzene (S)	%	100	70-130	11/18/13 12:48	
Toluene-d8 (S)	%	98	70-130	11/18/13 12:48	

LABORATORY CONTROL SAMPLE: 1088651

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	47.6	54.5	114	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	47.6	51.9	109	70-130	
1,1,2-Trichloroethane	ug/kg	47.6	54.2	114	70-132	
1,1,2-Trichlorotrifluoroethane	ug/kg	47.6	52.9	111	70-130	
1,1-Dichloroethane	ug/kg	47.6	51.0	107	70-143	
1,1-Dichloroethene	ug/kg	47.6	51.4	108	70-137	
1,2,3-Trichlorobenzene	ug/kg	47.6	55.9	117	69-153	
1,2,4-Trichlorobenzene	ug/kg	47.6	54.8	115	55-171	
1,2-Dibromo-3-chloropropane	ug/kg	47.6	58.8	124	68-141	
1,2-Dibromoethane (EDB)	ug/kg	47.6	53.5	112	70-130	
1,2-Dichlorobenzene	ug/kg	47.6	55.9	117	70-140	
1,2-Dichloroethane	ug/kg	47.6	51.4	108	70-137	
1,2-Dichloropropane	ug/kg	47.6	53.0	111	70-133	
1,3-Dichlorobenzene	ug/kg	47.6	53.9	113	70-144	
1,4-Dichlorobenzene	ug/kg	47.6	54.5	115	70-142	
1,4-Dioxane (p-Dioxane)	ug/kg	952	1230	129	70-130	
2-Butanone (MEK)	ug/kg	95.2	112	118	70-149	
2-Hexanone	ug/kg	95.2	118	124	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	95.2	116	121	70-153	
Acetone	ug/kg	95.2	102	107	70-157	
Benzene	ug/kg	47.6	53.1	112	70-130	
Bromochloromethane	ug/kg	47.6	56.6	119	70-149	
Bromodichloromethane	ug/kg	47.6	53.7	113	70-130	
Bromoform	ug/kg	47.6	55.2	116	70-131	
Bromomethane	ug/kg	47.6	72.3	152	64-136	F3,L3
Carbon disulfide	ug/kg	47.6	48.5	102	70-130	
Carbon tetrachloride	ug/kg	47.6	50.8	107	70-154	
Chlorobenzene	ug/kg	47.6	50.9	107	70-135	
Chloroethane	ug/kg	47.6	56.9	120	68-151	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

LABORATORY CONTROL SAMPLE: 1088651

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/kg	47.6	53.8	113	70-130	
Chloromethane	ug/kg	47.6	54.2	114	70-132	
cis-1,2-Dichloroethene	ug/kg	47.6	50.5	106	70-140	
cis-1,3-Dichloropropene	ug/kg	47.6	56.0	118	70-137	
Cyclohexane	ug/kg	47.6	61.5	129	70-130	
Dibromochloromethane	ug/kg	47.6	52.1	109	70-130	
Dichlorodifluoromethane	ug/kg	47.6	59.5	125	36-148	
Ethylbenzene	ug/kg	47.6	51.0	107	70-137	
Isopropylbenzene (Cumene)	ug/kg	47.6	54.9	115	70-141	
m&p-Xylene	ug/kg	95.2	106	112	70-140	
Methyl acetate	ug/kg	47.6	44.4	93	70-130	
Methyl-tert-butyl ether	ug/kg	47.6	54.8	115	45-150	
Methylcyclohexane	ug/kg	47.6	57.5	121	70-130	
Methylene Chloride	ug/kg	47.6	47.3	99	70-133	
o-Xylene	ug/kg	47.6	54.7	115	70-141	
Styrene	ug/kg	47.6	52.7	111	70-138	
Tetrachloroethene	ug/kg	47.6	50.3	106	70-140	
Toluene	ug/kg	47.6	50.5	106	70-130	
trans-1,2-Dichloroethene	ug/kg	47.6	51.4	108	70-136	
trans-1,3-Dichloropropene	ug/kg	47.6	61.9	130	70-138	
Trichloroethene	ug/kg	47.6	50.9	107	70-132	
Trichlorofluoromethane	ug/kg	47.6	52.2	110	69-134	
Vinyl chloride	ug/kg	47.6	52.0	109	55-140	
1,2-Dichloroethane-d4 (S)	%			103	70-132	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

QC Batch: OEXT/24740 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92179407005, 92179407006, 92179407007, 92179407008, 92179407009, 92179407010, 92179407011, 92179407012, 92179407013, 92179407014, 92179407015, 92179407016, 92179407017, 92179407018, 92179407019, 92179407020, 92179407021, 92179407022, 92179407023

METHOD BLANK: 1086488 Matrix: Solid
Associated Lab Samples: 92179407005, 92179407006, 92179407007, 92179407008, 92179407009, 92179407010, 92179407011, 92179407012, 92179407013, 92179407014, 92179407015, 92179407016, 92179407017, 92179407018, 92179407019, 92179407020, 92179407021, 92179407022, 92179407023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	ND	330	11/18/13 13:54	
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	330	11/18/13 13:54	
2,3,4,6-Tetrachlorophenol	ug/kg	ND	330	11/18/13 13:54	
2,4,5-Trichlorophenol	ug/kg	ND	330	11/18/13 13:54	
2,4,6-Trichlorophenol	ug/kg	ND	330	11/18/13 13:54	
2,4-Dichlorophenol	ug/kg	ND	330	11/18/13 13:54	
2,4-Dimethylphenol	ug/kg	ND	330	11/18/13 13:54	
2,4-Dinitrophenol	ug/kg	ND	1650	11/18/13 13:54	
2,4-Dinitrotoluene	ug/kg	ND	330	11/18/13 13:54	
2,6-Dinitrotoluene	ug/kg	ND	330	11/18/13 13:54	
2-Chloronaphthalene	ug/kg	ND	330	11/18/13 13:54	
2-Chlorophenol	ug/kg	ND	330	11/18/13 13:54	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	11/18/13 13:54	
2-Nitroaniline	ug/kg	ND	1650	11/18/13 13:54	
2-Nitrophenol	ug/kg	ND	330	11/18/13 13:54	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	11/18/13 13:54	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	11/18/13 13:54	
3-Nitroaniline	ug/kg	ND	1650	11/18/13 13:54	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	11/18/13 13:54	
4-Bromophenylphenyl ether	ug/kg	ND	330	11/18/13 13:54	
4-Chloro-3-methylphenol	ug/kg	ND	660	11/18/13 13:54	
4-Chloroaniline	ug/kg	ND	1650	11/18/13 13:54	
4-Chlorophenylphenyl ether	ug/kg	ND	330	11/18/13 13:54	
4-Nitroaniline	ug/kg	ND	660	11/18/13 13:54	
4-Nitrophenol	ug/kg	ND	1650	11/18/13 13:54	
Acetophenone	ug/kg	ND	330	11/18/13 13:54	
Atrazine	ug/kg	ND	660	11/18/13 13:54	
Benzaldehyde	ug/kg	ND	660	11/18/13 13:54	
Biphenyl (Diphenyl)	ug/kg	ND	330	11/18/13 13:54	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	11/18/13 13:54	
bis(2-Chloroethyl) ether	ug/kg	ND	330	11/18/13 13:54	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	11/18/13 13:54	
Butylbenzylphthalate	ug/kg	ND	330	11/18/13 13:54	
Caprolactam	ug/kg	ND	330	11/18/13 13:54	
Carbazole	ug/kg	ND	330	11/18/13 13:54	
Di-n-butylphthalate	ug/kg	ND	330	11/18/13 13:54	
Di-n-octylphthalate	ug/kg	ND	330	11/18/13 13:54	
Dibenzofuran	ug/kg	ND	330	11/18/13 13:54	
Diethylphthalate	ug/kg	ND	330	11/18/13 13:54	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

METHOD BLANK: 1086488 Matrix: Solid

Associated Lab Samples: 92179407005, 92179407006, 92179407007, 92179407008, 92179407009, 92179407010, 92179407011, 92179407012, 92179407013, 92179407014, 92179407015, 92179407016, 92179407017, 92179407018, 92179407019, 92179407020, 92179407021, 92179407022, 92179407023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dimethylphthalate	ug/kg	ND	330	11/18/13 13:54	
Hexachloro-1,3-butadiene	ug/kg	ND	330	11/18/13 13:54	
Hexachlorobenzene	ug/kg	ND	330	11/18/13 13:54	
Hexachlorocyclopentadiene	ug/kg	ND	330	11/18/13 13:54	
Hexachloroethane	ug/kg	ND	330	11/18/13 13:54	
Isophorone	ug/kg	ND	330	11/18/13 13:54	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	11/18/13 13:54	
N-Nitrosodiphenylamine	ug/kg	ND	330	11/18/13 13:54	
Nitrobenzene	ug/kg	ND	330	11/18/13 13:54	
Pentachlorophenol	ug/kg	ND	1650	11/18/13 13:54	
Phenol	ug/kg	ND	330	11/18/13 13:54	
2,4,6-Tribromophenol (S)	%	86	27-110	11/18/13 13:54	
2-Fluorobiphenyl (S)	%	81	30-110	11/18/13 13:54	
2-Fluorophenol (S)	%	77	13-110	11/18/13 13:54	
Nitrobenzene-d5 (S)	%	79	23-110	11/18/13 13:54	
Phenol-d6 (S)	%	73	22-110	11/18/13 13:54	
Terphenyl-d14 (S)	%	95	28-110	11/18/13 13:54	

LABORATORY CONTROL SAMPLE: 1086489

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	1670	1390	83	39-112	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	976	59	21-110	
2,3,4,6-Tetrachlorophenol	ug/kg	1670	3270	196	39-112	L3
2,4,5-Trichlorophenol	ug/kg	1670	1520	91	48-109	
2,4,6-Trichlorophenol	ug/kg	1670	1340	80	45-111	
2,4-Dichlorophenol	ug/kg	1670	1030	62	51-116	
2,4-Dimethylphenol	ug/kg	1670	1080	65	42-103	
2,4-Dinitrophenol	ug/kg	8330	8710	105	28-103	L3
2,4-Dinitrotoluene	ug/kg	1670	1610	97	46-114	
2,6-Dinitrotoluene	ug/kg	1670	1670	100	48-112	
2-Chloronaphthalene	ug/kg	1670	1220	73	44-105	
2-Chlorophenol	ug/kg	1670	1250	75	36-110	
2-Methylphenol(o-Cresol)	ug/kg	1670	1320	79	39-101	
2-Nitroaniline	ug/kg	3330	2820	85	44-111	
2-Nitrophenol	ug/kg	1670	1180	71	41-100	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1230	74	43-103	
3,3'-Dichlorobenzidine	ug/kg	8330	2750	33	10-150	
3-Nitroaniline	ug/kg	3330	3070	92	35-110	
4,6-Dinitro-2-methylphenol	ug/kg	3330	2990	90	38-118	
4-Bromophenylphenyl ether	ug/kg	1670	1550	93	47-115	
4-Chloro-3-methylphenol	ug/kg	3330	2270	68	43-127	
4-Chloroaniline	ug/kg	3330	2020	61	34-109	
4-Chlorophenylphenyl ether	ug/kg	1670	1560	94	44-115	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

LABORATORY CONTROL SAMPLE: 1086489

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Nitroaniline	ug/kg	3330	3130	94	37-111	
4-Nitrophenol	ug/kg	8330	6830	82	21-152	
Acetophenone	ug/kg	1670	1040	63	39-112	
Atrazine	ug/kg	1670	1970	118	39-112	L3
Benzaldehyde	ug/kg	1670	ND	0	39-112	L2
Biphenyl (Diphenyl)	ug/kg	1670	1070	64	39-112	
bis(2-Chloroethoxy)methane	ug/kg	1670	1280	77	39-110	
bis(2-Chloroethyl) ether	ug/kg	1670	1280	77	19-119	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1380	83	35-116	
Butylbenzylphthalate	ug/kg	1670	1430	86	38-110	
Caprolactam	ug/kg	1670	1090	65	39-112	
Carbazole	ug/kg	1670	1400	84	39-112	
Di-n-butylphthalate	ug/kg	1670	1290	78	43-109	
Di-n-octylphthalate	ug/kg	1670	1210	72	37-109	
Dibenzofuran	ug/kg	1670	1180	71	45-106	
Diethylphthalate	ug/kg	1670	1290	78	41-114	
Dimethylphthalate	ug/kg	1670	1280	77	43-110	
Hexachloro-1,3-butadiene	ug/kg	1670	935	56	28-111	
Hexachlorobenzene	ug/kg	1670	1240	75	46-120	
Hexachlorocyclopentadiene	ug/kg	1670	1750	105	18-119	
Hexachloroethane	ug/kg	1670	1200	72	33-110	
Isophorone	ug/kg	1670	1030	62	44-109	
N-Nitroso-di-n-propylamine	ug/kg	1670	986	59	43-104	
N-Nitrosodiphenylamine	ug/kg	1670	1090	66	48-113	
Nitrobenzene	ug/kg	1670	1000	60	38-110	
Pentachlorophenol	ug/kg	8330	2860	34	32-128	
Phenol	ug/kg	1670	1210	73	28-106	
2,4,6-Tribromophenol (S)	%			101	27-110	
2-Fluorobiphenyl (S)	%			74	30-110	
2-Fluorophenol (S)	%			74	13-110	
Nitrobenzene-d5 (S)	%			59	23-110	
Phenol-d6 (S)	%			72	22-110	
Terphenyl-d14 (S)	%			90	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1086490 1086491

Parameter	Units	92179407006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4,5-Tetrachlorobenzene	ug/kg	ND	1880	1880	980	862	52	46	50-150	13	30	M1
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	1880	1880	647	575	35	31	50-150	12	30	M1
2,3,4,6-Tetrachlorophenol	ug/kg	ND	1880	1880	2730	3010	146	161	50-150	10	30	M1
2,4,5-Trichlorophenol	ug/kg	ND	1880	1880	1130	1200	60	64	28-110	6	30	
2,4,6-Trichlorophenol	ug/kg	ND	1880	1880	972	996	52	53	17-117	2	30	
2,4-Dichlorophenol	ug/kg	ND	1880	1880	757	680	40	36	21-128	11	30	
2,4-Dimethylphenol	ug/kg	ND	1880	1880	784	721	42	38	10-120	8	30	
2,4-Dinitrophenol	ug/kg	ND	9370	9370	6220	7150	66	76	10-107	14	30	
2,4-Dinitrotoluene	ug/kg	ND	1880	1880	1330	1450	71	77	36-109	9	30	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1086490 1086491

Parameter	Units	92179407006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,6-Dinitrotoluene	ug/kg	ND	1880	1880	1360	1460	73	78	32-110	7	30	
2-Chloronaphthalene	ug/kg	ND	1880	1880	870	799	46	43	30-107	9	30	
2-Chlorophenol	ug/kg	ND	1880	1880	843	765	45	41	14-106	10	30	
2-Methylphenol(o-Cresol)	ug/kg	ND	1880	1880	825	810	44	43	10-124	2	30	
2-Nitroaniline	ug/kg	ND	3740	3740	2310	2440	62	65	26-116	6	30	
2-Nitrophenol	ug/kg	ND	1880	1880	899	811	48	43	28-103	10	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1880	1880	818	752	44	40	10-109	8	30	
3,3'-Dichlorobenzidine	ug/kg	ND	9370	9370	2420	2680	26	29	10-150	10	30	
3-Nitroaniline	ug/kg	ND	3740	3740	2510	2750	67	73	22-110	9	30	
4,6-Dinitro-2-methylphenol	ug/kg	ND	3740	3740	2670	2910	71	78	13-121	9	30	
4-Bromophenylphenyl ether	ug/kg	ND	1880	1880	1300	1350	69	72	31-109	4	30	
4-Chloro-3-methylphenol	ug/kg	ND	3740	3740	1800	1930	48	51	13-128	7	30	
4-Chloroaniline	ug/kg	ND	3740	3740	1580J	1460J	42	39	18-102		30	
4-Chlorophenylphenyl ether	ug/kg	ND	1880	1880	1190	1270	64	68	29-112	6	30	
4-Nitroaniline	ug/kg	ND	3740	3740	2540	2830	68	76	16-111	11	30	
4-Nitrophenol	ug/kg	ND	9370	9370	5290	6080	56	65	14-135	14	30	
Acetophenone	ug/kg	ND	1880	1880	707	655	38	35	50-150	8	30	M1
Atrazine	ug/kg	ND	1880	1880	1010	1590	54	85	50-150	44	30	R1
Benzaldehyde	ug/kg	ND	1880	1880	ND	ND	0	0	50-150		30	M0
Biphenyl (Diphenyl)	ug/kg	ND	1880	1880	772	700	41	37	50-150	10	30	M1
bis(2-Chloroethoxy)methane	ug/kg	ND	1880	1880	939	824	50	44	13-119	13	30	
bis(2-Chloroethyl) ether	ug/kg	ND	1880	1880	875	791	47	42	10-134	10	30	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1880	1880	1200	1200	64	64	10-125	0	30	
Butylbenzylphthalate	ug/kg	ND	1880	1880	1250	1280	67	68	18-110	2	30	
Caprolactam	ug/kg	ND	1880	1880	1410	1010	75	54	50-150	33	30	R1
Carbazole	ug/kg	ND	1880	1880	1170	1290	63	69	50-150	9	30	
Di-n-butylphthalate	ug/kg	ND	1880	1880	1090	1150	58	62	19-112	6	30	
Di-n-octylphthalate	ug/kg	ND	1880	1880	1060	1100	57	59	17-105	4	30	
Dibenzofuran	ug/kg	ND	1880	1880	894	924	48	49	35-103	3	30	
Diethylphthalate	ug/kg	ND	1880	1880	1090	1150	58	62	27-113	6	30	
Dimethylphthalate	ug/kg	ND	1880	1880	1040	1110	56	59	26-111	6	30	
Hexachloro-1,3-butadiene	ug/kg	ND	1880	1880	675	602	36	32	16-116	11	30	
Hexachlorobenzene	ug/kg	ND	1880	1880	1030	1100	55	59	27-120	6	30	
Hexachlorocyclopentadiene	ug/kg	ND	1880	1880	1200	1050	64	56	10-108	14	30	
Hexachloroethane	ug/kg	ND	1880	1880	816	740	44	40	10-117	10	30	
Isophorone	ug/kg	ND	1880	1880	764	693	41	37	28-114	10	30	
N-Nitroso-di-n-propylamine	ug/kg	ND	1880	1880	657	606	35	32	27-113	8	30	
N-Nitrosodiphenylamine	ug/kg	ND	1880	1880	926	980	49	52	10-128	6	30	
Nitrobenzene	ug/kg	ND	1880	1880	751	678	40	36	18-114	10	30	
Pentachlorophenol	ug/kg	ND	9370	9370	2340	3000	25	32	10-122	25	30	
Phenol	ug/kg	ND	1880	1880	801	715	43	38	11-102	11	30	
2,4,6-Tribromophenol (S)	%						74	80	27-110			
2-Fluorobiphenyl (S)	%						46	41	30-110			
2-Fluorophenol (S)	%						43	39	13-110			
Nitrobenzene-d5 (S)	%						40	35	23-110			
Phenol-d6 (S)	%						42	38	22-110			

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1086490 1086491

Parameter	Units	92179407006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Terphenyl-d14 (S)	%						69	70	28-110			

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

QC Batch: OEXT/24737
Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546
Analysis Description: 8270 MSSV PAH by SIM
Associated Lab Samples: 92179407005, 92179407006, 92179407007, 92179407008, 92179407009, 92179407011, 92179407012, 92179407013, 92179407014, 92179407015, 92179407016, 92179407017, 92179407018, 92179407019, 92179407020, 92179407021, 92179407022, 92179407023

METHOD BLANK: 1086312
Matrix: Solid
Associated Lab Samples: 92179407005, 92179407006, 92179407007, 92179407008, 92179407009, 92179407011, 92179407012, 92179407013, 92179407014, 92179407015, 92179407016, 92179407017, 92179407018, 92179407019, 92179407020, 92179407021, 92179407022, 92179407023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	10.0	11/18/13 15:10	
2-Methylnaphthalene	ug/kg	ND	10.0	11/18/13 15:10	
Acenaphthene	ug/kg	ND	10.0	11/18/13 15:10	
Acenaphthylene	ug/kg	ND	10.0	11/18/13 15:10	
Anthracene	ug/kg	ND	10.0	11/18/13 15:10	
Benzo(a)anthracene	ug/kg	ND	10.0	11/18/13 15:10	
Benzo(a)pyrene	ug/kg	ND	10.0	11/18/13 15:10	
Benzo(b)fluoranthene	ug/kg	ND	10.0	11/18/13 15:10	
Benzo(g,h,i)perylene	ug/kg	ND	10.0	11/18/13 15:10	
Benzo(k)fluoranthene	ug/kg	1.8J	10.0	11/18/13 15:10	
Chrysene	ug/kg	ND	10.0	11/18/13 15:10	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	11/18/13 15:10	
Fluoranthene	ug/kg	ND	10.0	11/18/13 15:10	
Fluorene	ug/kg	ND	10.0	11/18/13 15:10	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	11/18/13 15:10	
Naphthalene	ug/kg	ND	10.0	11/18/13 15:10	
Phenanthrene	ug/kg	ND	10.0	11/18/13 15:10	
Pyrene	ug/kg	ND	10.0	11/18/13 15:10	
2-Fluorobiphenyl (S)	%	82	10-110	11/18/13 15:10	
Nitrobenzene-d5 (S)	%	86	10-128	11/18/13 15:10	
Terphenyl-d14 (S)	%	103	39-119	11/18/13 15:10	

LABORATORY CONTROL SAMPLE: 1086313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	33.3	38.2	114	29-108	L3
2-Methylnaphthalene	ug/kg	33.3	39.8	119	30-104	L3
Acenaphthene	ug/kg	33.3	34.7	104	38-109	
Acenaphthylene	ug/kg	33.3	33.6	101	41-109	
Anthracene	ug/kg	33.3	35.8	107	45-114	
Benzo(a)anthracene	ug/kg	33.3	34.7	104	45-109	
Benzo(a)pyrene	ug/kg	33.3	35.3	106	47-117	
Benzo(b)fluoranthene	ug/kg	33.3	34.5	103	32-113	
Benzo(g,h,i)perylene	ug/kg	33.3	28.9	87	10-149	
Benzo(k)fluoranthene	ug/kg	33.3	31.8	95	41-104	
Chrysene	ug/kg	33.3	33.2	100	35-116	
Dibenz(a,h)anthracene	ug/kg	33.3	34.4	103	13-139	
Fluoranthene	ug/kg	33.3	37.0	111	43-110	L3

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

LABORATORY CONTROL SAMPLE: 1086313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	ug/kg	33.3	36.3	109	45-111	
Indeno(1,2,3-cd)pyrene	ug/kg	33.3	34.8	104	17-135	
Naphthalene	ug/kg	33.3	35.4	106	26-120	
Phenanthrene	ug/kg	33.3	35.5	106	45-110	
Pyrene	ug/kg	33.3	36.7	110	38-114	
2-Fluorobiphenyl (S)	%			87	10-110	
Nitrobenzene-d5 (S)	%			91	10-128	
Terphenyl-d14 (S)	%			104	39-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1086314 1086315

Parameter	Units	92179407016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	ND	38.6	38.6	26.5	28.1	66	70	50-150	6	30	
2-Methylnaphthalene	ug/kg	ND	38.6	38.6	27.2	29.0	67	72	50-150	6	30	
Acenaphthene	ug/kg	ND	38.6	38.6	29.3	31.3	76	81	50-150	7	30	
Acenaphthylene	ug/kg	ND	38.6	38.6	26.9	29.5	70	76	50-150	9	30	
Anthracene	ug/kg	ND	38.6	38.6	28.2	29.6	73	77	50-150	5	30	
Benzo(a)anthracene	ug/kg	ND	38.6	38.6	28.0	28.0	73	72	50-150	0	30	
Benzo(a)pyrene	ug/kg	ND	38.6	38.6	31.2	31.4	81	81	50-150	0	30	
Benzo(b)fluoranthene	ug/kg	ND	38.6	38.6	30.5	30.3	79	79	50-150	1	30	
Benzo(g,h,i)perylene	ug/kg	ND	38.6	38.6	27.3	26.4	71	68	50-150	3	30	
Benzo(k)fluoranthene	ug/kg	ND	38.6	38.6	24.5	23.6	63	61	50-150	4	30	
Chrysene	ug/kg	ND	38.6	38.6	27.9	27.9	72	72	50-150	0	30	
Dibenz(a,h)anthracene	ug/kg	ND	38.6	38.6	33.5	31.3	87	81	50-150	7	30	
Fluoranthene	ug/kg	ND	38.6	38.6	32.4	31.9	84	83	50-150	2	30	
Fluorene	ug/kg	ND	38.6	38.6	30.7	31.3	80	81	50-150	2	30	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	38.6	38.6	32.1	30.7	83	80	50-150	5	30	
Naphthalene	ug/kg	ND	38.6	38.6	25.4	26.5	66	69	50-150	4	30	
Phenanthrene	ug/kg	ND	38.6	38.6	33.5	33.2	87	86	50-150	1	30	
Pyrene	ug/kg	ND	38.6	38.6	32.0	33.1	83	86	50-150	3	30	
2-Fluorobiphenyl (S)	%						60	63	10-110			
Nitrobenzene-d5 (S)	%						55	57	10-128			
Terphenyl-d14 (S)	%						79	76	39-119			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1086581 1086582

Parameter	Units	92179407023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	ND	43.6	43.6	61.3	55.5	141	127	50-150	10	30	
2-Methylnaphthalene	ug/kg	ND	43.6	43.6	65.1	59.8	149	137	50-150	9	30	
Acenaphthene	ug/kg	ND	43.6	43.6	64.2	49.9	147	114	50-150	25	30	
Acenaphthylene	ug/kg	ND	43.6	43.6	27.9	22.1	64	51	50-150	23	30	
Anthracene	ug/kg	ND	43.6	43.6	59.1	56.0	136	128	50-150	5	30	
Benzo(a)anthracene	ug/kg	ND	43.6	43.6	32.9	32.3	75	74	50-150	2	30	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1086581 1086582

Parameter	Units	92179407023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzo(a)pyrene	ug/kg	ND	43.6	43.6	36.2	31.4	83	72	50-150	14	30	
Benzo(b)fluoranthene	ug/kg	ND	43.6	43.6	29.9	29.7	68	68	50-150	1	30	
Benzo(g,h,i)perylene	ug/kg	ND	43.6	43.6	31.6	27.0	72	62	50-150	15	30	
Benzo(k)fluoranthene	ug/kg	ND	43.6	43.6	23.3	23.2	54	53	50-150	1	30	
Chrysene	ug/kg	ND	43.6	43.6	36.3	35.1	83	80	50-150	3	30	
Dibenz(a,h)anthracene	ug/kg	ND	43.6	43.6	37.5	32.7	86	75	50-150	14	30	
Fluoranthene	ug/kg	ND	43.6	43.6	68.5	62.4	157	143	50-150	9	30	M3
Fluorene	ug/kg	ND	43.6	43.6	62.1	41.4	142	95	50-150	40	30	R1
Indeno(1,2,3-cd)pyrene	ug/kg	ND	43.6	43.6	35.5	30.6	81	70	50-150	15	30	
Naphthalene	ug/kg	ND	43.6	43.6	50.4	43.2	116	99	50-150	16	30	
Phenanthrene	ug/kg	ND	43.6	43.6	62.7	46.9	144	108	50-150	29	30	
Pyrene	ug/kg	143	43.6	43.6	217	211	169	155	50-150	3	30	M3
2-Fluorobiphenyl (S)	%						92	68	10-110			
Nitrobenzene-d5 (S)	%						211	184	10-128			S2
Terphenyl-d14 (S)	%						100	93	39-119			

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

QC Batch: OEXT/24817
QC Batch Method: EPA 3546
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 MSSV PAH by SIM
Associated Lab Samples: 92179407010

METHOD BLANK: 1089635 Matrix: Solid
Associated Lab Samples: 92179407010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	10.0	11/20/13 12:18	
2-Methylnaphthalene	ug/kg	ND	10.0	11/20/13 12:18	
Acenaphthene	ug/kg	ND	10.0	11/20/13 12:18	
Acenaphthylene	ug/kg	ND	10.0	11/20/13 12:18	
Anthracene	ug/kg	ND	10.0	11/20/13 12:18	
Benzo(a)anthracene	ug/kg	ND	10.0	11/20/13 12:18	
Benzo(a)pyrene	ug/kg	ND	10.0	11/20/13 12:18	
Benzo(b)fluoranthene	ug/kg	ND	10.0	11/20/13 12:18	
Benzo(g,h,i)perylene	ug/kg	ND	10.0	11/20/13 12:18	
Benzo(k)fluoranthene	ug/kg	ND	10.0	11/20/13 12:18	
Chrysene	ug/kg	ND	10.0	11/20/13 12:18	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	11/20/13 12:18	
Fluoranthene	ug/kg	ND	10.0	11/20/13 12:18	
Fluorene	ug/kg	ND	10.0	11/20/13 12:18	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	11/20/13 12:18	
Naphthalene	ug/kg	ND	10.0	11/20/13 12:18	
Phenanthrene	ug/kg	ND	10.0	11/20/13 12:18	
Pyrene	ug/kg	ND	10.0	11/20/13 12:18	
2-Fluorobiphenyl (S)	%	98	10-110	11/20/13 12:18	
Nitrobenzene-d5 (S)	%	99	10-128	11/20/13 12:18	
Terphenyl-d14 (S)	%	114	39-119	11/20/13 12:18	

LABORATORY CONTROL SAMPLE & LCSD: 1089636 1089637

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/kg	33.3	32.6	32.2	98	97	29-108	1	30	
2-Methylnaphthalene	ug/kg	33.3	33.0	34.6	99	104	30-104	5	30	
Acenaphthene	ug/kg	33.3	30.3	32.8	91	98	38-109	8	30	
Acenaphthylene	ug/kg	33.3	28.3	30.7	85	92	41-109	8	30	
Anthracene	ug/kg	33.3	32.8	35.5	98	106	45-114	8	30	
Benzo(a)anthracene	ug/kg	33.3	37.0	35.1	111	105	45-109	5	30	L3
Benzo(a)pyrene	ug/kg	33.3	37.2	36.8	112	110	47-117	1	30	
Benzo(b)fluoranthene	ug/kg	33.3	38.5	37.6	116	113	32-113	2	30	L3
Benzo(g,h,i)perylene	ug/kg	33.3	36.2	35.4	108	106	10-149	2	30	
Benzo(k)fluoranthene	ug/kg	33.3	38.7	36.2	116	109	41-104	7	30	L3
Chrysene	ug/kg	33.3	36.3	35.0	109	105	35-116	4	30	
Dibenz(a,h)anthracene	ug/kg	33.3	41.9	39.0	126	117	13-139	7	30	
Fluoranthene	ug/kg	33.3	37.7	38.2	113	115	43-110	1	30	L3
Fluorene	ug/kg	33.3	31.8	34.0	95	102	45-111	7	30	
Indeno(1,2,3-cd)pyrene	ug/kg	33.3	42.4	40.7	127	122	17-135	4	30	
Naphthalene	ug/kg	33.3	29.5	32.8	88	99	26-120	11	30	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

LABORATORY CONTROL SAMPLE & LCSD: 1089636 1089637

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Phenanthrene	ug/kg	33.3	32.3	35.1	97	105	45-110	8	30	
Pyrene	ug/kg	33.3	37.6	38.0	113	114	38-114	1	30	
2-Fluorobiphenyl (S)	%				79	83	10-110			
Nitrobenzene-d5 (S)	%				79	83	10-128			
Terphenyl-d14 (S)	%				108	101	39-119			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1090067 1090068

Parameter	Units	92180022010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	ND	39.7	39.7	22.5	35.1	54	86	50-150	44	30	R1
2-Methylnaphthalene	ug/kg	1.7J	39.7	39.7	22.0	35.0	51	84	50-150	46	30	R1
Acenaphthene	ug/kg	ND	39.7	39.7	22.3	33.8	56	85	50-150	41	30	R1
Acenaphthylene	ug/kg	ND	39.7	39.7	19.6	31.6	49	80	50-150	47	30	M1,R1
Anthracene	ug/kg	ND	39.7	39.7	22.9	35.4	58	89	50-150	43	30	R1
Benzo(a)anthracene	ug/kg	ND	39.7	39.7	26.4	33.5	66	84	50-150	24	30	
Benzo(a)pyrene	ug/kg	ND	39.7	39.7	27.9	34.5	70	87	50-150	21	30	
Benzo(b)fluoranthene	ug/kg	ND	39.7	39.7	29.4	35.1	74	88	50-150	18	30	
Benzo(g,h,i)perylene	ug/kg	ND	39.7	39.7	23.4	27.7	59	70	50-150	17	30	
Benzo(k)fluoranthene	ug/kg	ND	39.7	39.7	24.6	31.5	62	79	50-150	25	30	
Chrysene	ug/kg	ND	39.7	39.7	26.4	33.7	66	85	50-150	24	30	
Dibenz(a,h)anthracene	ug/kg	ND	39.7	39.7	28.5	35.1	72	88	50-150	21	30	
Fluoranthene	ug/kg	ND	39.7	39.7	26.9	36.8	68	93	50-150	31	30	R1
Fluorene	ug/kg	ND	39.7	39.7	20.6	34.6	52	87	50-150	51	30	R1
Indeno(1,2,3-cd)pyrene	ug/kg	ND	39.7	39.7	28.4	34.7	71	87	50-150	20	30	
Naphthalene	ug/kg	ND	39.7	39.7	20.5	31.9	52	80	50-150	44	30	R1
Phenanthrene	ug/kg	ND	39.7	39.7	22.5	35.9	57	90	50-150	46	30	R1
Pyrene	ug/kg	ND	39.7	39.7	26.9	36.2	68	91	50-150	29	30	
2-Fluorobiphenyl (S)	%						49	76	10-110			
Nitrobenzene-d5 (S)	%						47	72	10-128			
Terphenyl-d14 (S)	%						66	85	39-119			

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

QC Batch: OEXT/24738
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 Water MSSV
Associated Lab Samples: 92179407003, 92179407004

METHOD BLANK: 1086412
Matrix: Water
Associated Lab Samples: 92179407003, 92179407004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	ND	10.0	11/19/13 16:07	
2,2'-Oxybis(1-chloropropane)	ug/L	ND	10.0	11/19/13 16:07	
2,3,4,6-Tetrachlorophenol	ug/L	ND	10.0	11/19/13 16:07	
2,4,5-Trichlorophenol	ug/L	ND	10.0	11/19/13 16:07	
2,4,6-Trichlorophenol	ug/L	ND	10.0	11/19/13 16:07	
2,4-Dichlorophenol	ug/L	ND	10.0	11/19/13 16:07	
2,4-Dimethylphenol	ug/L	ND	10.0	11/19/13 16:07	
2,4-Dinitrophenol	ug/L	ND	50.0	11/19/13 16:07	
2,4-Dinitrotoluene	ug/L	ND	10.0	11/19/13 16:07	
2,6-Dinitrotoluene	ug/L	ND	10.0	11/19/13 16:07	
2-Chloronaphthalene	ug/L	ND	10.0	11/19/13 16:07	
2-Chlorophenol	ug/L	ND	10.0	11/19/13 16:07	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	11/19/13 16:07	
2-Nitroaniline	ug/L	ND	50.0	11/19/13 16:07	
2-Nitrophenol	ug/L	ND	10.0	11/19/13 16:07	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	11/19/13 16:07	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	11/19/13 16:07	
3-Nitroaniline	ug/L	ND	50.0	11/19/13 16:07	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	11/19/13 16:07	
4-Bromophenylphenyl ether	ug/L	ND	10.0	11/19/13 16:07	
4-Chloro-3-methylphenol	ug/L	ND	20.0	11/19/13 16:07	
4-Chloroaniline	ug/L	ND	20.0	11/19/13 16:07	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	11/19/13 16:07	
4-Nitroaniline	ug/L	ND	20.0	11/19/13 16:07	
4-Nitrophenol	ug/L	ND	50.0	11/19/13 16:07	
Acetophenone	ug/L	ND	10.0	11/19/13 16:07	
Atrazine	ug/L	ND	20.0	11/19/13 16:07	
Benzaldehyde	ug/L	ND	20.0	11/19/13 16:07	
Biphenyl (Diphenyl)	ug/L	ND	10.0	11/19/13 16:07	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	11/19/13 16:07	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	11/19/13 16:07	
bis(2-Ethylhexyl)phthalate	ug/L	ND	6.0	11/19/13 16:07	
Butylbenzylphthalate	ug/L	ND	10.0	11/19/13 16:07	
Caprolactam	ug/L	ND	10.0	11/19/13 16:07	
Carbazole	ug/L	ND	10.0	11/19/13 16:07	
Di-n-butylphthalate	ug/L	ND	10.0	11/19/13 16:07	
Di-n-octylphthalate	ug/L	ND	10.0	11/19/13 16:07	
Dibenzofuran	ug/L	ND	10.0	11/19/13 16:07	
Diethylphthalate	ug/L	ND	10.0	11/19/13 16:07	
Dimethylphthalate	ug/L	ND	10.0	11/19/13 16:07	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	11/19/13 16:07	
Hexachlorobenzene	ug/L	ND	10.0	11/19/13 16:07	
Hexachlorocyclopentadiene	ug/L	ND	10.0	11/19/13 16:07	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

METHOD BLANK: 1086412 Matrix: Water

Associated Lab Samples: 92179407003, 92179407004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloroethane	ug/L	ND	10.0	11/19/13 16:07	
Isophorone	ug/L	ND	10.0	11/19/13 16:07	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	11/19/13 16:07	
N-Nitrosodiphenylamine	ug/L	ND	10.0	11/19/13 16:07	
Nitrobenzene	ug/L	ND	10.0	11/19/13 16:07	
Pentachlorophenol	ug/L	ND	25.0	11/19/13 16:07	
Phenol	ug/L	ND	10.0	11/19/13 16:07	
2,4,6-Tribromophenol (S)	%	85	27-110	11/19/13 16:07	
2-Fluorobiphenyl (S)	%	75	27-110	11/19/13 16:07	
2-Fluorophenol (S)	%	42	12-110	11/19/13 16:07	
Nitrobenzene-d5 (S)	%	74	21-110	11/19/13 16:07	
Phenol-d6 (S)	%	27	10-110	11/19/13 16:07	
Terphenyl-d14 (S)	%	68	31-107	11/19/13 16:07	

LABORATORY CONTROL SAMPLE: 1086413

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	50	44.0	88	17-115	
2,2'-Oxybis(1-chloropropane)	ug/L	50	32.5	65	10-108	
2,3,4,6-Tetrachlorophenol	ug/L	50	101	203	17-115	L0
2,4,5-Trichlorophenol	ug/L	50	47.0	94	23-116	
2,4,6-Trichlorophenol	ug/L	50	42.9	86	21-114	
2,4-Dichlorophenol	ug/L	50	33.5	67	22-120	
2,4-Dimethylphenol	ug/L	50	33.1	66	15-109	
2,4-Dinitrophenol	ug/L	250	247	99	10-103	
2,4-Dinitrotoluene	ug/L	50	48.8	98	24-119	
2,6-Dinitrotoluene	ug/L	50	52.3	105	25-116	
2-Chloronaphthalene	ug/L	50	40.0	80	18-110	
2-Chlorophenol	ug/L	50	37.8	76	10-104	
2-Methylphenol(o-Cresol)	ug/L	50	34.7	69	13-110	
2-Nitroaniline	ug/L	100	88.0	88	20-117	
2-Nitrophenol	ug/L	50	39.1	78	16-108	
3&4-Methylphenol(m&p Cresol)	ug/L	50	30.8	62	14-110	
3,3'-Dichlorobenzidine	ug/L	250	87.1	35	13-131	
3-Nitroaniline	ug/L	100	90.5	90	15-117	
4,6-Dinitro-2-methylphenol	ug/L	100	92.5	92	13-119	
4-Bromophenylphenyl ether	ug/L	50	50.9	102	23-120	
4-Chloro-3-methylphenol	ug/L	100	63.9	64	21-119	
4-Chloroaniline	ug/L	100	66.7	67	10-122	
4-Chlorophenylphenyl ether	ug/L	50	49.5	99	22-112	
4-Nitroaniline	ug/L	100	93.1	93	14-118	
4-Nitrophenol	ug/L	250	87.7	35	10-110	
Acetophenone	ug/L	50	35.6	71	17-115	
Atrazine	ug/L	50	63.2	126	17-115	L3
Benzaldehyde	ug/L	50	ND	14	17-115	L2

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

LABORATORY CONTROL SAMPLE: 1086413

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Biphenyl (Diphenyl)	ug/L	50	36.1	72	17-115	
bis(2-Chloroethoxy)methane	ug/L	50	42.2	84	19-107	
bis(2-Chloroethyl) ether	ug/L	50	43.5	87	10-108	
bis(2-Ethylhexyl)phthalate	ug/L	50	42.6	85	16-123	
Butylbenzylphthalate	ug/L	50	44.7	89	20-118	
Caprolactam	ug/L	50	15.7	31	17-115	
Carbazole	ug/L	50	42.9	86	17-115	
Di-n-butylphthalate	ug/L	50	40.3	81	23-115	
Di-n-octylphthalate	ug/L	50	36.5	73	20-115	
Dibenzofuran	ug/L	50	37.7	75	23-106	
Diethylphthalate	ug/L	50	40.4	81	24-115	
Dimethylphthalate	ug/L	50	39.8	80	22-113	
Hexachloro-1,3-butadiene	ug/L	50	26.6	53	10-110	
Hexachlorobenzene	ug/L	50	40.3	81	22-127	
Hexachlorocyclopentadiene	ug/L	50	55.1	110	10-110	
Hexachloroethane	ug/L	50	33.7	67	10-110	
Isophorone	ug/L	50	34.1	68	23-114	
N-Nitroso-di-n-propylamine	ug/L	50	33.6	67	21-114	
N-Nitrosodiphenylamine	ug/L	50	34.7	69	24-123	
Nitrobenzene	ug/L	50	33.0	66	16-106	
Pentachlorophenol	ug/L	250	91.1	36	10-123	
Phenol	ug/L	50	16.6	33	10-110	
2,4,6-Tribromophenol (S)	%			103	27-110	
2-Fluorobiphenyl (S)	%			81	27-110	
2-Fluorophenol (S)	%			47	12-110	
Nitrobenzene-d5 (S)	%			64	21-110	
Phenol-d6 (S)	%			32	10-110	
Terphenyl-d14 (S)	%			72	31-107	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1086414 1086415

Parameter	Units	92179395006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4,5-Tetrachlorobenzene	ug/L	ND	100	100	90.9	92.9	91	93	50-150	2	30	
2,2'-Oxybis(1-chloropropane)	ug/L	ND	100	100	61.2	63.1	61	63	50-150	3	30	
2,3,4,6-Tetrachlorophenol	ug/L	ND	100	100	212	239	212	239	50-150	12	30	M0
2,4,5-Trichlorophenol	ug/L	ND	100	100	94.5	101	94	101	19-105	7	30	
2,4,6-Trichlorophenol	ug/L	ND	100	100	86.2	90.5	86	90	13-108	5	30	
2,4-Dichlorophenol	ug/L	ND	100	100	65.6	69.2	66	69	29-111	5	30	
2,4-Dimethylphenol	ug/L	ND	100	100	65.9	66.5	66	67	21-103	1	30	
2,4-Dinitrophenol	ug/L	ND	500	500	432	415	86	83	10-109	4	30	
2,4-Dinitrotoluene	ug/L	ND	100	100	99.6	112	100	112	27-104	12	30	M1
2,6-Dinitrotoluene	ug/L	ND	100	100	105	113	105	113	28-101	8	30	M1
2-Chloronaphthalene	ug/L	ND	100	100	79.8	81.8	80	82	14-102	2	30	
2-Chlorophenol	ug/L	ND	100	100	76.0	75.7	76	76	16-110	0	30	
2-Methylphenol(o-Cresol)	ug/L	ND	100	100	76.1	75.7	76	76	19-110	1	30	
2-Nitroaniline	ug/L	ND	200	200	176	192	88	96	26-103	9	30	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1086414 1086415

Parameter	Units	92179395006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Nitrophenol	ug/L	ND	100	100	76.2	79.9	76	80	20-110	5	30	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	100	100	66.6	63.5	67	63	20-110	5	30	
3,3'-Dichlorobenzidine	ug/L	ND	500	500	174	200	35	40	25-112	14	30	
3-Nitroaniline	ug/L	ND	200	200	188	215	94	107	29-110	13	30	
4,6-Dinitro-2-methylphenol	ug/L	ND	200	200	168	181	84	91	10-117	7	30	
4-Bromophenylphenyl ether	ug/L	ND	100	100	100	95.6	100	96	20-105	5	30	
4-Chloro-3-methylphenol	ug/L	ND	200	200	135	139	67	70	22-110	3	30	
4-Chloroaniline	ug/L	ND	200	200	128	135	64	67	20-100	5	30	
4-Chlorophenylphenyl ether	ug/L	ND	100	100	102	107	102	107	19-102	5	30	M1
4-Nitroaniline	ug/L	ND	200	200	199	244	100	122	29-110	20	30	M1
4-Nitrophenol	ug/L	ND	500	500	301	282	60	56	10-110	7	30	
Acetophenone	ug/L	ND	100	100	67.0	68.7	67	69	50-150	2	30	
Atrazine	ug/L	ND	100	100	114	129	114	129	50-150	12	30	
Benzaldehyde	ug/L	ND	100	100	ND	ND	6	5	50-150		30	M0
Biphenyl (Diphenyl)	ug/L	ND	100	100	70.8	74.0	71	74	50-150	4	30	
bis(2-Chloroethoxy)methane	ug/L	ND	100	100	81.8	84.5	82	84	22-110	3	30	
bis(2-Chloroethyl) ether	ug/L	ND	100	100	82.4	85.1	82	85	16-110	3	30	
bis(2-Ethylhexyl)phthalate	ug/L	ND	100	100	76.7	73.4	77	73	23-102	4	30	
Butylbenzylphthalate	ug/L	ND	100	100	84.3	81.5	84	82	25-110	3	30	
Caprolactam	ug/L	ND	100	100	54.6	44.1	55	44	50-150	21	30	M1
Carbazole	ug/L	ND	100	100	92.1	101	92	101	50-150	10	30	
Di-n-butylphthalate	ug/L	ND	100	100	81.6	80.9	82	81	26-110	1	30	
Di-n-octylphthalate	ug/L	ND	100	100	72.9	70.7	73	71	22-110	3	30	
Dibenzofuran	ug/L	ND	100	100	77.8	82.4	78	82	19-102	6	30	
Diethylphthalate	ug/L	ND	100	100	83.0	86.3	83	86	29-110	4	30	
Dimethylphthalate	ug/L	ND	100	100	80.7	83.7	81	84	27-110	4	30	
Hexachloro-1,3-butadiene	ug/L	ND	100	100	59.4	59.8	59	60	10-110	1	30	
Hexachlorobenzene	ug/L	ND	100	100	80.3	79.1	80	79	21-116	2	30	
Hexachlorocyclopentadiene	ug/L	ND	100	100	104	112	104	112	10-110	8	30	M1
Hexachloroethane	ug/L	ND	100	100	71.0	72.2	71	72	10-110	2	30	
Isophorone	ug/L	ND	100	100	65.5	68.1	66	68	50-150	4	30	
N-Nitroso-di-n-propylamine	ug/L	ND	100	100	62.2	65.7	62	66	21-105	5	30	
N-Nitrosodiphenylamine	ug/L	ND	100	100	69.3	68.3	69	68	23-107	2	30	
Nitrobenzene	ug/L	ND	100	100	64.2	66.7	64	67	20-110	4	30	
Pentachlorophenol	ug/L	ND	500	500	198	216	40	43	10-118	9	30	
Phenol	ug/L	ND	100	100	57.2	49.6	57	50	12-110	14	30	
2,4,6-Tribromophenol (S)	%						102	103	27-110			
2-Fluorobiphenyl (S)	%						82	83	27-110			
2-Fluorophenol (S)	%						59	53	12-110			
Nitrobenzene-d5 (S)	%						62	65	21-110			
Phenol-d6 (S)	%						48	39	10-110			
Terphenyl-d14 (S)	%						73	64	31-107			

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1086416 1086417

Parameter	Units	92179417002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4,5-Tetrachlorobenzene	ug/L	ND	50	50	38.0	32.6	76	65	50-150	15	30	
2,2'-Oxybis(1-chloropropane)	ug/L	ND	50	50	26.9	22.2	54	44	50-150	19	30	M1
2,3,4,6-Tetrachlorophenol	ug/L	ND	50	50	114	105	228	210	50-150	8	30	M0
2,4,5-Trichlorophenol	ug/L	ND	50	50	45.5	44.0	91	88	19-105	4	30	
2,4,6-Trichlorophenol	ug/L	ND	50	50	38.1	37.6	76	75	13-108	1	30	
2,4-Dichlorophenol	ug/L	ND	50	50	29.4	26.1	59	52	29-111	12	30	
2,4-Dimethylphenol	ug/L	ND	50	50	28.9	25.2	58	50	21-103	14	30	
2,4-Dinitrophenol	ug/L	ND	250	250	270	273	108	109	10-109	1	30	
2,4-Dinitrotoluene	ug/L	ND	50	50	52.9	50.3	106	101	27-104	5	30	M1
2,6-Dinitrotoluene	ug/L	ND	50	50	51.8	50.6	104	101	28-101	2	30	M1
2-Chloronaphthalene	ug/L	ND	50	50	33.5	30.2	67	60	14-102	10	30	
2-Chlorophenol	ug/L	ND	50	50	33.1	27.6	66	55	16-110	18	30	
2-Methylphenol(o-Cresol)	ug/L	ND	50	50	32.9	27.7	66	55	19-110	17	30	
2-Nitroaniline	ug/L	ND	100	100	87.3	84.1	87	84	26-103	4	30	
2-Nitrophenol	ug/L	ND	50	50	32.8	29.9	66	60	20-110	9	30	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	50	27.3	23.4	55	47	20-110	15	30	
3,3'-Dichlorobenzidine	ug/L	ND	250	250	93.9	90.0	38	36	25-112	4	30	
3-Nitroaniline	ug/L	ND	100	100	100	91.8	100	92	29-110	9	30	
4,6-Dinitro-2-methylphenol	ug/L	ND	100	100	90.8	88.3	91	88	10-117	3	30	
4-Bromophenylphenyl ether	ug/L	ND	50	50	45.2	46.6	90	93	20-105	3	30	
4-Chloro-3-methylphenol	ug/L	ND	100	100	65.9	63.5	66	63	22-110	4	30	
4-Chloroaniline	ug/L	ND	100	100	54.0	46.5	54	46	20-100	15	30	
4-Chlorophenylphenyl ether	ug/L	ND	50	50	47.5	46.5	95	93	19-102	2	30	
4-Nitroaniline	ug/L	ND	100	100	117	101	117	101	29-110	14	30	M1
4-Nitrophenol	ug/L	ND	250	250	149	133	60	53	10-110	11	30	
Acetophenone	ug/L	ND	50	50	29.2	24.5	58	49	50-150	18	30	M1
Atrazine	ug/L	ND	50	50	62.4	56.6	125	113	50-150	10	30	
Benzaldehyde	ug/L	ND	50	50	ND	ND	5	4	50-150		30	M0
Biphenyl (Diphenyl)	ug/L	ND	50	50	30.4	27.1	61	54	50-150	12	30	
bis(2-Chloroethoxy)methane	ug/L	ND	50	50	35.9	30.0	72	60	22-110	18	30	
bis(2-Chloroethyl) ether	ug/L	ND	50	50	36.8	31.1	74	62	16-110	17	30	
bis(2-Ethylhexyl)phthalate	ug/L	ND	50	50	35.6	36.8	71	74	23-102	3	30	
Butylbenzylphthalate	ug/L	ND	50	50	39.9	39.5	80	79	25-110	1	30	
Caprolactam	ug/L	ND	50	50	25.3	24.8	51	50	50-150	2	30	
Carbazole	ug/L	ND	50	50	50.0	46.1	100	92	50-150	8	30	
Di-n-butylphthalate	ug/L	ND	50	50	39.2	38.8	78	78	26-110	1	30	
Di-n-octylphthalate	ug/L	ND	50	50	34.8	34.8	70	70	22-110	0	30	
Dibenzofuran	ug/L	ND	50	50	35.9	34.6	72	69	19-102	4	30	
Diethylphthalate	ug/L	ND	50	50	41.0	40.4	82	81	29-110	1	30	
Dimethylphthalate	ug/L	ND	50	50	39.6	39.0	79	78	27-110	1	30	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	26.1	22.6	52	45	10-110	14	30	
Hexachlorobenzene	ug/L	ND	50	50	37.4	38.4	75	77	21-116	3	30	
Hexachlorocyclopentadiene	ug/L	ND	50	50	43.4	37.2	87	74	10-110	16	30	
Hexachloroethane	ug/L	ND	50	50	31.7	26.1	63	52	10-110	20	30	
Isophorone	ug/L	ND	50	50	27.9	25.1	56	50	50-150	11	30	
N-Nitroso-di-n-propylamine	ug/L	ND	50	50	26.7	22.8	53	46	21-105	16	30	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1086416 1086417

Parameter	Units	92179417002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
N-Nitrosodiphenylamine	ug/L	ND	50	50	33.0	33.1	66	66	23-107	0	30	
Nitrobenzene	ug/L	ND	50	50	27.6	24.6	55	49	20-110	11	30	
Pentachlorophenol	ug/L	ND	250	250	108	104	43	42	10-118	4	30	
Phenol	ug/L	ND	50	50	22.0	18.8	44	38	12-110	16	30	
2,4,6-Tribromophenol (S)	%						101	102	27-110			
2-Fluorobiphenyl (S)	%						67	60	27-110			
2-Fluorophenol (S)	%						48	41	12-110			
Nitrobenzene-d5 (S)	%						55	49	21-110			
Phenol-d6 (S)	%						36	31	10-110			
Terphenyl-d14 (S)	%						46	47	31-107			

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

QC Batch: OEXT/24806
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water CPAH by SIM MSSV 3510
Associated Lab Samples: 92179407003, 92179407004

METHOD BLANK: 1089095 Matrix: Water
Associated Lab Samples: 92179407003, 92179407004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	2.0	11/19/13 13:58	
2-Methylnaphthalene	ug/L	ND	2.0	11/19/13 13:58	
Acenaphthene	ug/L	ND	2.0	11/19/13 13:58	
Acenaphthylene	ug/L	ND	1.5	11/19/13 13:58	
Anthracene	ug/L	ND	0.050	11/19/13 13:58	
Benzo(a)anthracene	ug/L	ND	0.10	11/19/13 13:58	
Benzo(a)pyrene	ug/L	ND	0.20	11/19/13 13:58	
Benzo(b)fluoranthene	ug/L	ND	0.30	11/19/13 13:58	
Benzo(g,h,i)perylene	ug/L	ND	0.20	11/19/13 13:58	
Benzo(k)fluoranthene	ug/L	ND	0.20	11/19/13 13:58	
Chrysene	ug/L	ND	0.10	11/19/13 13:58	
Dibenz(a,h)anthracene	ug/L	ND	0.20	11/19/13 13:58	
Fluoranthene	ug/L	ND	0.30	11/19/13 13:58	
Fluorene	ug/L	ND	0.31	11/19/13 13:58	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.20	11/19/13 13:58	
Naphthalene	ug/L	ND	1.5	11/19/13 13:58	
Phenanthrene	ug/L	ND	0.20	11/19/13 13:58	
Pyrene	ug/L	ND	0.10	11/19/13 13:58	
2-Fluorobiphenyl (S)	%	87	30-150	11/19/13 13:58	
Nitrobenzene-d5 (S)	%	99	30-150	11/19/13 13:58	
Terphenyl-d14 (S)	%	119	30-150	11/19/13 13:58	

LABORATORY CONTROL SAMPLE & LCSD: 1089096 1089097

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	1	ND	ND	114	106	21-120		30	
2-Methylnaphthalene	ug/L	1	ND	ND	115	107	19-120		30	
Acenaphthene	ug/L	1	ND	ND	112	102	27-102		30	L3
Acenaphthylene	ug/L	1	ND	ND	102	95	25-105		30	
Anthracene	ug/L	1	1.1	0.96	107	96	30-113	10	30	
Benzo(a)anthracene	ug/L	1	1.0	0.96	105	96	27-113	9	30	
Benzo(a)pyrene	ug/L	1	1.1	0.97	106	97	27-119	10	30	
Benzo(b)fluoranthene	ug/L	1	0.94	0.95	94	95	22-114	1	30	
Benzo(g,h,i)perylene	ug/L	1	0.68	0.66	68	66	10-129	4	30	
Benzo(k)fluoranthene	ug/L	1	0.93	0.78	93	78	24-111	17	30	
Chrysene	ug/L	1	1.0	0.92	100	92	23-112	9	30	
Dibenz(a,h)anthracene	ug/L	1	0.85	0.85	85	85	10-129	0	30	
Fluoranthene	ug/L	1	1.1	1.1	111	111	27-112	0	30	
Fluorene	ug/L	1	1.0	1.0	101	101	29-107	0	30	
Indeno(1,2,3-cd)pyrene	ug/L	1	0.86	0.83	86	83	14-123	3	30	
Naphthalene	ug/L	1	ND	ND	107	99	17-120		30	

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

LABORATORY CONTROL SAMPLE & LCSD: 1089096 1089097

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Phenanthrene	ug/L	1	1.1	1.0	110	102	28-111	8	30	
Pyrene	ug/L	1	1.1	1.1	111	110	27-113	1	30	
2-Fluorobiphenyl (S)	%				95	88	30-150			
Nitrobenzene-d5 (S)	%				102	91	30-150			
Terphenyl-d14 (S)	%				112	105	30-150			

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QUALITY CONTROL DATA

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

QC Batch: PMST/6009
Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92179407005, 92179407006, 92179407007, 92179407008, 92179407009, 92179407010, 92179407011, 92179407012, 92179407013, 92179407014, 92179407015, 92179407016, 92179407017, 92179407018, 92179407019, 92179407020, 92179407021, 92179407022

SAMPLE DUPLICATE: 1089567

Parameter	Units	92179355005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.4	16.6	1	25	

SAMPLE DUPLICATE: 1089568

Parameter	Units	92179407022 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.0	12.5	4	25	

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Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
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(336)623-8921

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: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

QC Batch: PMST/6010
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92179407023

SAMPLE DUPLICATE: 1089571

Parameter	Units	92179407023 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	23.6	23.9	1	25	

SAMPLE DUPLICATE: 1089572

Parameter	Units	92179508008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	44.2	44.2	0	25	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

SG - Silica Gel - Clean-Up

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

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

A+	The reaction of the soil preservative, sodium bisulfate, is known to react with humic acid in soils to produce ketones. Based upon method blank results, the laboratory feels the ketones in this sample are a result of that reaction.
C0	Result confirmed by second analysis.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
IO	The internal standard response was outside the laboratory acceptance limits confirmed by reanalysis. The results reported are from the most QC compliant analysis.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
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.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
P3	Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
R1	RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

ANALYTE QUALIFIERS

S0	Surrogate recovery outside laboratory control limits.
S2	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92179407005	**CTS-SB-21-1-2**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407006	**CTS-SB-21-9-10**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407007	**CTS-SB-21-14-15**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407008	**CTS CSS-SB-207-3-4**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407009	**CTS CSS-SB-207-6-7**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407010	**CTS CSS-SB-207-13-14**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407011	**CTS-SB-17-0-1**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407012	**CTS-SB-17-9-10**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407013	**CTS-SB-17-13-14**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407014	**CTS-SB-501**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407015	**CTS-SB-19-2-3**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407016	**CTS-SB-19-8-10**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407017	**CTS-SB-19-14-15**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407018	**CTS-SB-18-4-5**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407019	**CTS-SB-18-5-6**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407020	**CTS-SB-18-10-12**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407021	**CTS-SB-25-3-4**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407022	**CTS-SB-25-9-10**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407023	**CTS-SB-25-13-14**	EPA 3546	OEXT/24740	EPA 8270	MSSV/8447
92179407005	**CTS-SB-21-1-2**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407006	**CTS-SB-21-9-10**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407007	**CTS-SB-21-14-15**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407008	**CTS CSS-SB-207-3-4**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407009	**CTS CSS-SB-207-6-7**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407010	**CTS CSS-SB-207-13-14**	EPA 3546	OEXT/24817	EPA 8270 by SIM	MSSV/8458
92179407011	**CTS-SB-17-0-1**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407012	**CTS-SB-17-9-10**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407013	**CTS-SB-17-13-14**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407014	**CTS-SB-501**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407015	**CTS-SB-19-2-3**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407016	**CTS-SB-19-8-10**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407017	**CTS-SB-19-14-15**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407018	**CTS-SB-18-4-5**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407019	**CTS-SB-18-5-6**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407020	**CTS-SB-18-10-12**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407021	**CTS-SB-25-3-4**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407022	**CTS-SB-25-9-10**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407023	**CTS-SB-25-13-14**	EPA 3546	OEXT/24737	EPA 8270 by SIM	MSSV/8441
92179407003	**CTS-RB-01**	EPA 3510	OEXT/24738	EPA 8270	MSSV/8452
92179407004	**CTS-RB-02**	EPA 3510	OEXT/24738	EPA 8270	MSSV/8452
92179407003	**CTS-RB-01**	EPA 3510	OEXT/24806	EPA 8270 by SIM	MSSV/8453
92179407004	**CTS-RB-02**	EPA 3510	OEXT/24806	EPA 8270 by SIM	MSSV/8453
92179407003	**CTS-RB-01**	EPA 8260	MSV/24924		
92179407004	**CTS-RB-02**	EPA 8260	MSV/24931		
92179407001	**CTS-STB-01**	EPA 8260	MSV/24917		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CTS OF ASHEVILLE 6690039450
Pace Project No.: 92179407

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92179407002	**CTS-STB-02**	EPA 8260	MSV/24917		
92179407005	**CTS-SB-21-1-2**	EPA 8260	MSV/24917		
92179407006	**CTS-SB-21-9-10**	EPA 8260	MSV/24917		
92179407007	**CTS-SB-21-14-15**	EPA 8260	MSV/24917		
92179407008	**CTS CSS-SB-207-3-4**	EPA 8260	MSV/24917		
92179407009	**CTS CSS-SB-207-6-7**	EPA 8260	MSV/24917		
92179407010	**CTS CSS-SB-207-13-14**	EPA 8260	MSV/24917		
92179407011	**CTS-SB-17-0-1**	EPA 8260	MSV/24917		
92179407012	**CTS-SB-17-9-10**	EPA 8260	MSV/24917		
92179407013	**CTS-SB-17-13-14**	EPA 8260	MSV/24917		
92179407014	**CTS-SB-501**	EPA 8260	MSV/24917		
92179407015	**CTS-SB-19-2-3**	EPA 8260	MSV/24917		
92179407016	**CTS-SB-19-8-10**	EPA 8260	MSV/24951		
92179407017	**CTS-SB-19-14-15**	EPA 8260	MSV/24917		
92179407018	**CTS-SB-18-4-5**	EPA 8260	MSV/24917		
92179407019	**CTS-SB-18-5-6**	EPA 8260	MSV/24917		
92179407020	**CTS-SB-18-10-12**	EPA 8260	MSV/24917		
92179407021	**CTS-SB-25-3-4**	EPA 8260	MSV/24917		
92179407022	**CTS-SB-25-9-10**	EPA 8260	MSV/24917		
92179407023	**CTS-SB-25-13-14**	EPA 8260	MSV/24951		
92179407005	**CTS-SB-21-1-2**	ASTM D2974-87	PMST/6009		
92179407006	**CTS-SB-21-9-10**	ASTM D2974-87	PMST/6009		
92179407007	**CTS-SB-21-14-15**	ASTM D2974-87	PMST/6009		
92179407008	**CTS CSS-SB-207-3-4**	ASTM D2974-87	PMST/6009		
92179407009	**CTS CSS-SB-207-6-7**	ASTM D2974-87	PMST/6009		
92179407010	**CTS CSS-SB-207-13-14**	ASTM D2974-87	PMST/6009		
92179407011	**CTS-SB-17-0-1**	ASTM D2974-87	PMST/6009		
92179407012	**CTS-SB-17-9-10**	ASTM D2974-87	PMST/6009		
92179407013	**CTS-SB-17-13-14**	ASTM D2974-87	PMST/6009		
92179407014	**CTS-SB-501**	ASTM D2974-87	PMST/6009		
92179407015	**CTS-SB-19-2-3**	ASTM D2974-87	PMST/6009		
92179407016	**CTS-SB-19-8-10**	ASTM D2974-87	PMST/6009		
92179407017	**CTS-SB-19-14-15**	ASTM D2974-87	PMST/6009		
92179407018	**CTS-SB-18-4-5**	ASTM D2974-87	PMST/6009		
92179407019	**CTS-SB-18-5-6**	ASTM D2974-87	PMST/6009		
92179407020	**CTS-SB-18-10-12**	ASTM D2974-87	PMST/6009		
92179407021	**CTS-SB-25-3-4**	ASTM D2974-87	PMST/6009		
92179407022	**CTS-SB-25-9-10**	ASTM D2974-87	PMST/6009		
92179407023	**CTS-SB-25-13-14**	ASTM D2974-87	PMST/6010		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 4, 2013 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.11	Issuing Authorities: Pace Asheville Quality Office

Client Name: AMEC

Where Received: ☐ Huntersville ☑ Asheville ☐ Eden ☐ Raleigh

Courier (Circle): 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_____

Circle Thermometer Used: IR Gun#3 -130265963 IR Gun #2- 80344039 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0.1 C

Corrected Cooler Temp.: 4.9 C **Biological Tissue is Frozen:** Yes No (N/A)

Temp should be above freezing to 6°C **Comments:**

Date and Initials of person examining contents: 11/13/13 GB

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: SO:1		
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	
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):_____		

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

Person Contacted: Susan Kelly Date/Time: 11/14/13

Comments/ Resolution: Susan informed CTS-SB-25-13-14 was collected 11/13/13 @ 13:35. KG.

SCURF Review: Date: 11/13/13

SRF Review: TMO Date: 11-14-13

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)

WO# : 92179407

92179407

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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: 2 of 2

1748128

Section A Required Client Information:

Company:	AMEC
Address:	1308 Patton Ave Asheville NC 28806
Email To:	susan.kelly@amec.com
Phone:	8282528130
Fax:	
Requested Due Date/TAT:	Std

Section B Required Project Information:

Report To:	Susan Kelly
Copy To:	
Purchase Order No.:	C012203421
Project Name:	CTS of Asheville
Project Number:	6690039450

Section C Invoice Information:

Attention:	Lacy Gonzalez
Company Name:	AMEC
Address:	1308 Patton Ave, Asheville
Pace Quote Reference:	
Pace Project Manager:	Kevin Godwin
Pace Profile #:	

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

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	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	TCL 8260	TCL 8270/SIMPAH	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92179407
1	CTS-RB-01	WT	G	N/A	N/A	11/13/13	945	4/13	5	X			X						X	X		003
2	CTS-RB-02	WT	G			11/13/13	955		5	X			X						X	X		004
3	CTS-SB-19-2-3	SL	G			11/13/13	1015	8	5	X					X	X			X	X		015
4	CTS-SB-19-8-10	SL	G			11/13/13	1025	8	~~15~~	X					X	X			X	X	016	MS/MSD 8270/SIMPAH
5	CTS-SB-19-14-15	SL	G			11/13/13	1040		5	X					X	X			X	X		017
6	CTS-SB-18-4-5	SL	G			11/13/13	1100		5	X					X	X			X	X		018
7	CTS-SB-18-5-6	SL	G			11/13/13	1110		5	X					X	X			X	X		019
8	CTS-SB-18-10-12	SL	G			11/13/13	1125		5	X					X	X			X	X		020
9	CTS-SB-25-3-4	SL	G			11/13/13	1315		5	X					X	X			X	X		021
10	CTS-SB-25-9-10	SL	G			11/13/13	1325		13	X					X	X			X	X	022	MS/MSD VOC
11	CTS-SB-25-13-14	SL	G	N/A	N/A																	023
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature] AMEC	11/13/13	1500	[signature]	11/13/13	1500	6.0	Y	~~Y~~	Y
							2.4			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JASON AVRITT

SIGNATURE of SAMPLER: Jason Avritt

DATE Signed (MM/DD/YY): 11/13/13

*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.

F-ALL-Q-020rev.07, 15-May-2007

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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 2

1748127

Section A Required Client Information:

Company: AMEC
Address: 1308 Patton Ave
Asheville NC 28806
Email To: susan.kelly@amec.com
Phone: 8282528130 Fax: —
Requested Due Date/TAT: Std

Section B Required Project Information:

Report To: Susan Kelly
Copy To:
Purchase Order No.: C01203421
Project Name: CTS of Asheville
Project Number: 60690039450

Section C Invoice Information:

Attention: Lacy Gonzalez
Company Name: AMEC
Address: 1308 Patton Ave, Asheville
Pace Quote Reference:
Pace Project Manager: Kevin Godwin
Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: NC

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	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	Analysis Test Y/N	TCL 8260	TCL 8270/SIM/PAH	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	CTS-STB-01	WT	G	N/A	N/A	lab prep			2						X			X					92179407 001
2	CTS-SB-21-1-2	SL	G			11/12/13	1345		5	X					X	X		X	X				005
3	CTS-SB-21-9-10	SL	G			11/12/13	1350		5	X					X	X		X	X				006
4	CTS-SB-21-14-15	SL	G			11/12/13	1400		5	X					X	X		X	X				007
5	CTS CSS-SB-207-3-4	SL	G			11/12/13	1425		5	X					X	X		X	X				008
6	CTS CSS-SB-207-6-7	SL	G			11/12/13	1435		5	X					X	X		X	X				009
7	CTS CSS-SB-207-13-14	SL	G			11/12/13	1445		5	X					X	X		X	X				010
8	CTS-SB-17-0-1	SL	G			11/12/13	1500		5	X					X	X		X	X				011
9	CTS-SB-17-9-10	SL	G			11/12/13	1515		5	X					X	X		X	X				012
10	CTS-SB-17-13-14	SL	G			11/12/13	1530		5	X					X	X		X	X				013
11	11/12/13 CTS-SB CTS-STB-02	WT	G			lab prep			2						X			X					002
12	CTS-SB-501	SL	G	N/A	N/A	11/13/13	1125		5	X					X	X		X	X				014

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Brandy/AMEC	11/13/13	15:00		11/13/13	1500	4.9	Y	X	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JASON AVRITT
SIGNATURE of SAMPLER: Jason Avritt
DATE Signed (MM/DD/YY): 11/13/13

*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.

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November 26, 2013

Ms. Susan Kelly
AMEC- Asheville
1308 Patton Avenue
Asheville, NC 28806

RE: Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Dear Ms. Kelly:
Enclosed are the analytical results for sample(s) received by the laboratory on November 19, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92180022001	**CTS-STB-03**	Solid	11/18/13 00:00	11/19/13 12:45
92180022002	**CTS-STB-5-02**	Solid	11/18/13 11:50	11/19/13 12:45
92180022003	**CTS-SB-24-3-4**	Solid	11/18/13 10:30	11/19/13 12:45
92180022004	**CTS-SB-24-8-9**	Solid	11/18/13 10:45	11/19/13 12:45
92180022005	**CTS-SB-24-14-15**	Solid	11/18/13 11:05	11/19/13 12:45
92180022006	**CTS-SB-04-3-4**	Solid	11/18/13 11:25	11/19/13 12:45
92180022007	**CTS-SB-04-6-7**	Solid	11/18/13 11:40	11/19/13 12:45
92180022008	**CTS-SB-04-11-12**	Solid	11/18/13 11:50	11/19/13 12:45
92180022009	**CTS-CSS-SB-206-4-5**	Solid	11/18/13 13:15	11/19/13 12:45
92180022010	**CTS-CSS-SB-206-8-10**	Solid	11/18/13 13:30	11/19/13 12:45
92180022011	**CTS-CSS-SB-206-14-15**	Solid	11/18/13 13:55	11/19/13 12:45
92180022012	**CTS-SB-23-0-1**	Solid	11/18/13 15:05	11/19/13 12:45
92180022013	**CTS-SB-23-9-10**	Solid	11/18/13 15:15	11/19/13 12:45
92180022014	**CTS-SB-23-14-15**	Solid	11/18/13 15:25	11/19/13 12:45

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SAMPLE ANALYTE COUNT

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92180022001	**CTS-STB-03**	EPA 8260	DLK	55	PASI-C
92180022002	**CTS-STB-5-02**	EPA 8270	BPJ	64	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	67	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92180022003	**CTS-SB-24-3-4**	EPA 8270	BPJ	57	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	56	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92180022004	**CTS-SB-24-8-9**	EPA 8270	BPJ	57	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	57	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92180022005	**CTS-SB-24-14-15**	EPA 8270	BPJ	66	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	67	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92180022006	**CTS-SB-04-3-4**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	66	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92180022007	**CTS-SB-04-6-7**	EPA 8270	BPJ	57	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	64	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92180022008	**CTS-SB-04-11-12**	EPA 8270	BPJ	66	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	67	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92180022009	**CTS-CSS-SB-206-4-5**	EPA 8270	BPJ	58	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	59	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92180022010	**CTS-CSS-SB-206-8-10**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C

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SAMPLE ANALYTE COUNT

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92180022011	**CTS-CSS-SB-206-14-15**	EPA 8270	BPJ	64	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	67	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92180022012	**CTS-SB-23-0-1**	EPA 8270	BPJ	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	64	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92180022013	**CTS-SB-23-9-10**	EPA 8270	BPJ	57	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	56	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92180022014	**CTS-SB-23-14-15**	EPA 8270	BPJ	61	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	TNM	1	PASI-C

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SUMMARY OF DETECTION

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92180022002	**CTS-STB-5-02**					
EPA 8270	Di-n-octylphthalate	238J	ug/kg	375	11/22/13 20:24	
EPA 8270	8.994:Tridecane, 7-methyl-	192	ug/kg		11/22/13 20:24	N
EPA 8270	9.152:Tridecane	285	ug/kg		11/22/13 20:24	N
EPA 8270	11.658:Hexadecane, 2,6,10,14-t	552	ug/kg		11/22/13 20:24	N
EPA 8270	12.027:Nonadecane	1290	ug/kg		11/22/13 20:24	N
EPA 8270	12.422:Eicosane	1100	ug/kg		11/22/13 20:24	N
EPA 8270	12.805:Heneicosane	667	ug/kg		11/22/13 20:24	N
EPA 8270	13.190:Docosane	213	ug/kg		11/22/13 20:24	N
EPA 8270	13.591:Hexadecane, 2,6,10,14-t	1240	ug/kg		11/22/13 20:24	N
EPA 8270 by SIM	1-Methylnaphthalene	25.1	ug/kg	11.4	11/20/13 13:59	
EPA 8270 by SIM	2-Methylnaphthalene	12.0	ug/kg	11.4	11/20/13 13:59	
EPA 8270 by SIM	Phenanthrene	80.6	ug/kg	11.4	11/20/13 13:59	
EPA 8270 by SIM	Pyrene	11.9	ug/kg	11.4	11/20/13 13:59	
EPA 8260	Acetone	52.0J	ug/kg	102	11/22/13 02:43	
EPA 8260	Trichloroethene	49.1	ug/kg	5.1	11/22/13 02:43	
EPA 8260	9.213:Octane, 2,6-dimethyl-	225	ug/kg		11/22/13 02:43	N
EPA 8260	9.301:Tridecane	195	ug/kg		11/22/13 02:43	N
EPA 8260	9.568:Unknown Amine	74.9	ug/kg		11/22/13 02:43	N
EPA 8260	9.590:Unknown Cycloalkane	102	ug/kg		11/22/13 02:43	N
EPA 8260	9.639:Nonane, 3,7-dimethyl-	83.6	ug/kg		11/22/13 02:43	N
EPA 8260	9.704:Tetradecane	169	ug/kg		11/22/13 02:43	N
EPA 8260	10.146:Pentadecane	86.2	ug/kg		11/22/13 02:43	N
EPA 8260	8.815:Octane, 2,6-dimethyl-	276	ug/kg		11/22/13 02:43	N
EPA 8260	8.891:Decane	137	ug/kg		11/22/13 02:43	N
EPA 8260	9.120:Unknown Alkane	111	ug/kg		11/22/13 02:43	N
EPA 8260	9.148:Unknown Alkane	72.2	ug/kg		11/22/13 02:43	N
EPA 8260	9.164:Unknown Cycloalkane	105	ug/kg		11/22/13 02:43	N
ASTM D2974-87	Percent Moisture	12.1	%	0.10	11/22/13 14:24	
92180022003	**CTS-SB-24-3-4**					
EPA 8270	12.292:Unknown	435	ug/kg		11/23/13 14:47	N
EPA 8260	Acetone	49.7J	ug/kg	92.3	11/22/13 03:03	
EPA 8260	8.635:Unknown Organic Acid	5.4	ug/kg		11/22/13 03:03	N
ASTM D2974-87	Percent Moisture	10.3	%	0.10	11/22/13 14:25	
92180022004	**CTS-SB-24-8-9**					
EPA 8270	12.444:Unknown	209	ug/kg		11/23/13 15:19	N
EPA 8260	Acetone	26.8J	ug/kg	111	11/22/13 03:22	
EPA 8260	.980:Unknown Amine	6.4	ug/kg		11/22/13 03:22	N
EPA 8260	8.640:Unknown	6.5	ug/kg		11/22/13 03:22	N
ASTM D2974-87	Percent Moisture	11.6	%	0.10	11/22/13 14:25	
92180022005	**CTS-SB-24-14-15**					
EPA 8270	7.847:Unknown	1570	ug/kg		11/23/13 15:51	N
EPA 8270	9.006:Unknown	3140	ug/kg		11/23/13 15:51	N
EPA 8270	9.053:Unknown	1410	ug/kg		11/23/13 15:51	N
EPA 8270	9.171:Tridecane	9650	ug/kg		11/23/13 15:51	N
EPA 8270	9.522:Unknown	1670	ug/kg		11/23/13 15:51	N
EPA 8270	10.256:Heptadecane	1750	ug/kg		11/23/13 15:51	N

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SUMMARY OF DETECTION

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92180022005	**CTS-SB-24-14-15**					
EPA 8270	10.293:Unknown	791	ug/kg		11/23/13 15:51	N
EPA 8270	12.453:Heptadecane	903	ug/kg		11/23/13 15:51	N
EPA 8270	13.206:Docosane	373	ug/kg		11/23/13 15:51	N
EPA 8270	14.017:Tetracosane	756	ug/kg		11/23/13 15:51	N
EPA 8270 by SIM	Acenaphthene	841	ug/kg	234	11/20/13 19:00	
EPA 8270 by SIM	Anthracene	350	ug/kg	234	11/20/13 19:00	
EPA 8270 by SIM	Fluorene	663	ug/kg	234	11/20/13 19:00	
EPA 8270 by SIM	1-Methylnaphthalene	2980	ug/kg	234	11/20/13 19:00	
EPA 8270 by SIM	2-Methylnaphthalene	1050	ug/kg	234	11/20/13 19:00	
EPA 8270 by SIM	Phenanthrene	806	ug/kg	234	11/20/13 19:00	
EPA 8270 by SIM	Pyrene	565	ug/kg	234	11/20/13 19:00	
EPA 8260	Acetone	41.9J	ug/kg	109	11/22/13 03:42	
EPA 8260	Benzene	6.7	ug/kg	5.4	11/22/13 03:42	
EPA 8260	Cyclohexane	26.4	ug/kg	5.4	11/22/13 03:42	
EPA 8260	Ethylbenzene	59.1	ug/kg	5.4	11/22/13 03:42	
EPA 8260	Isopropylbenzene (Cumene)	53.1	ug/kg	5.4	11/22/13 03:42	
EPA 8260	Methylene Chloride	5.3J	ug/kg	21.7	11/22/13 03:42	
EPA 8260	Tetrachloroethene	4.4J	ug/kg	5.4	11/22/13 03:42	
EPA 8260	Toluene	32.5	ug/kg	5.4	11/22/13 03:42	
EPA 8260	1,1,1-Trichloroethane	51.0	ug/kg	5.4	11/22/13 03:42	
EPA 8260	Trichloroethene	6870	ug/kg	614	11/22/13 15:02	
EPA 8260	m&p-Xylene	43.9	ug/kg	10.9	11/22/13 03:42	
EPA 8260	o-Xylene	1790	ug/kg	614	11/22/13 15:02	
EPA 8260	7.347:Unknown Alkane	52.5	ug/kg		11/22/13 03:42	N
EPA 8260	7.773:Unknown Alkane	86.6	ug/kg		11/22/13 03:42	N
EPA 8260	8.051:Decane, 4-methyl-	131	ug/kg		11/22/13 03:42	N
EPA 8260	8.089:Benzene, 1-ethyl-3-methy	140	ug/kg		11/22/13 03:42	N
EPA 8260	8.444:Undecane	193	ug/kg		11/22/13 03:42	N
EPA 8260	8.537:Unknown Alkane	94.0	ug/kg		11/22/13 03:42	N
EPA 8260	8.695:Unknown Alkane	269	ug/kg		11/22/13 03:42	N
EPA 8260	8.782:Naphthalene, decahydro-2	108	ug/kg		11/22/13 03:42	N
EPA 8260	8.897:Dodecane	86.1	ug/kg		11/22/13 03:42	N
EPA 8260	9.028:2,4-Dimethylstyrene	138	ug/kg		11/22/13 03:42	N
EPA 8260	9.170:Unknown Cycloalkane	83.2	ug/kg		11/22/13 03:42	N
EPA 8260	9.208:Unknown Alkane	90.0	ug/kg		11/22/13 03:42	N
ASTM D2974-87	Percent Moisture	14.7	%	0.10	11/22/13 14:25	
92180022006	**CTS-SB-04-3-4**					
EPA 8260	Acetone	124	ug/kg	104	11/22/13 04:02	A+
EPA 8260	2-Butanone (MEK)	21.4J	ug/kg	104	11/22/13 04:02	
EPA 8260	2-Hexanone	6.9J	ug/kg	51.8	11/22/13 04:02	
EPA 8260	Trichloroethene	3.3J	ug/kg	5.2	11/22/13 04:02	
EPA 8260	8.444:Unknown Alkane	17.5	ug/kg		11/22/13 04:02	N
EPA 8260	8.706:Unknown	23.7	ug/kg		11/22/13 04:02	N
EPA 8260	8.842:Benzene, 2-ethyl-1,3-dim	9.4	ug/kg		11/22/13 04:02	N
EPA 8260	8.897:Dodecane	13.9	ug/kg		11/22/13 04:02	N
EPA 8260	8.973:Dodecane, 6-methyl-	17.4	ug/kg		11/22/13 04:02	N
EPA 8260	9.170:Unknown Cycloalkane	17.8	ug/kg		11/22/13 04:02	N

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SUMMARY OF DETECTION

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92180022006	**CTS-SB-04-3-4**					
EPA 8260	9.224:Octane, 2,3,7-trimethyl-	9.0	ug/kg		11/22/13 04:02	N
EPA 8260	9.312:Tridecane	16.8	ug/kg		11/22/13 04:02	N
EPA 8260	9.519:Unknown Alkane	11.2	ug/kg		11/22/13 04:02	N
EPA 8260	9.574:Unknown C17 or larger Al	11.7	ug/kg		11/22/13 04:02	N
EPA 8260	9.715:Tetradecane	11.1	ug/kg		11/22/13 04:02	N
ASTM D2974-87	Percent Moisture	10.4	%	0.10	11/22/13 14:25	
92180022007	**CTS-SB-04-6-7**					
EPA 8270	4.030:Unknown	225	ug/kg		11/23/13 16:54	N
EPA 8260	Acetone	57.7J	ug/kg	96.6	11/22/13 04:21	
EPA 8260	8.646:Unknown Amine	6.3	ug/kg		11/22/13 04:21	N
EPA 8260	8.826:Unknown Alkane	11.3	ug/kg		11/22/13 04:21	N
EPA 8260	9.181:Unknown	4.9	ug/kg		11/22/13 04:21	N
EPA 8260	9.257:Unknown Alkane	8.7	ug/kg		11/22/13 04:21	N
EPA 8260	9.530:Benzene, 1,4-bis(1,1-dim	9.3	ug/kg		11/22/13 04:21	N
EPA 8260	9.579:Hexadecane, 2,6,10,14-te	8.4	ug/kg		11/22/13 04:21	N
EPA 8260	9.661:Unknown Alkane	8.8	ug/kg		11/22/13 04:21	N
EPA 8260	9.721:Tetradecane	9.4	ug/kg		11/22/13 04:21	N
EPA 8260	10.168:Pentadecane	6.4	ug/kg		11/22/13 04:21	N
ASTM D2974-87	Percent Moisture	8.5	%	0.10	11/22/13 14:25	
92180022008	**CTS-SB-04-11-12**					
EPA 8270	9.479:Unknown	600	ug/kg		11/23/13 17:26	N
EPA 8270	9.585:Hexadecane, 2,6,10,14-te	267	ug/kg		11/23/13 17:26	N
EPA 8270	10.455:Unknown	691	ug/kg		11/23/13 17:26	N
EPA 8270	11.201:Pentadecane, 2,6,10,14-	1610	ug/kg		11/23/13 17:26	N
EPA 8270	11.658:Hexadecane, 2,6,10,14-t	738	ug/kg		11/23/13 17:26	N
EPA 8270	12.028:Nonadecane	1390	ug/kg		11/23/13 17:26	N
EPA 8270	12.425:Eicosane	1060	ug/kg		11/23/13 17:26	N
EPA 8270	12.805:Heneicosane	657	ug/kg		11/23/13 17:26	N
EPA 8270	13.190:Docosane	206	ug/kg		11/23/13 17:26	N
EPA 8270	13.591:Hexadecane	54000	ug/kg		11/23/13 17:26	N
EPA 8270 by SIM	1-Methylnaphthalene	24.6	ug/kg	11.5	11/20/13 16:00	
EPA 8270 by SIM	2-Methylnaphthalene	11.6	ug/kg	11.5	11/20/13 16:00	
EPA 8270 by SIM	Phenanthrene	83.8	ug/kg	11.5	11/20/13 16:00	
EPA 8270 by SIM	Pyrene	13.9	ug/kg	11.5	11/20/13 16:00	
EPA 8260	Acetone	33.8J	ug/kg	103	11/22/13 04:41	
EPA 8260	cis-1,2-Dichloroethene	3.5J	ug/kg	5.1	11/22/13 04:41	
EPA 8260	Trichloroethene	146	ug/kg	5.1	11/22/13 04:41	
EPA 8260	8.831:Unknown Alkane	176	ug/kg		11/22/13 04:41	N
EPA 8260	8.902:Dodecane	94.8	ug/kg		11/22/13 04:41	N
EPA 8260	8.984:Undecane, 2,5-dimethyl-	84.9	ug/kg		11/22/13 04:41	N
EPA 8260	9.142:Unknown Alkane	74.6	ug/kg		11/22/13 04:41	N
EPA 8260	9.181:Unknown Cycloalkane	74.5	ug/kg		11/22/13 04:41	N
EPA 8260	9.235:Unknown Alkane	138	ug/kg		11/22/13 04:41	N
EPA 8260	9.322:Tridecane	140	ug/kg		11/22/13 04:41	N
EPA 8260	9.595:Unknown Alkane	46.4	ug/kg		11/22/13 04:41	N
EPA 8260	9.617:Heptylcyclohexane	62.5	ug/kg		11/22/13 04:41	N

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SUMMARY OF DETECTION

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92180022008	**CTS-SB-04-11-12**					
EPA 8260	9.666:Nonane, 3,7-dimethyl-	51.1	ug/kg		11/22/13 04:41	N
EPA 8260	9.732:Tetradecane	118	ug/kg		11/22/13 04:41	N
EPA 8260	10.174:Pentadecane	40.8	ug/kg		11/22/13 04:41	N
ASTM D2974-87	Percent Moisture	13.0	%	0.10	11/22/13 14:26	
92180022009	**CTS-CSS-SB-206-4-5**					
EPA 8270	4.024:Methylene Chloride	335	ug/kg		11/23/13 17:57	N
EPA 8270	12.481:Unknown	295	ug/kg		11/23/13 17:57	N
EPA 8260	Acetone	15.2J	ug/kg	119	11/22/13 05:01	
EPA 8260	8.651:Unknown siloxane isomer	16.8	ug/kg		11/22/13 05:01	N
EPA 8260	9.328:Tridecane	6.7	ug/kg		11/22/13 05:01	N
EPA 8260	9.737:Tetradecane	7.0	ug/kg		11/22/13 05:01	N
EPA 8260	10.179:Pentadecane	6.1	ug/kg		11/22/13 05:01	N
ASTM D2974-87	Percent Moisture	24.9	%	0.10	11/22/13 14:26	
92180022010	**CTS-CSS-SB-206-8-10**					
EPA 8270 by SIM	2-Methylnaphthalene	1.7J	ug/kg	11.9	11/20/13 16:40	
EPA 8260	Acetone	43.1J	ug/kg	113	11/22/13 05:20	
EPA 8260	2-Butanone (MEK)	19.5J	ug/kg	113	11/22/13 05:20	
EPA 8260	2-Hexanone	4.7J	ug/kg	56.5	11/22/13 05:20	
ASTM D2974-87	Percent Moisture	16.2	%	0.10	11/22/13 14:26	
92180022011	**CTS-CSS-SB-206-14-15**					
EPA 8270	8.108:trans-Decalin, 2-methyl-	865	ug/kg		11/23/13 19:01	N
EPA 8270	8.279:Unknown	715	ug/kg		11/23/13 19:01	N
EPA 8270	8.379:Unknown	2330	ug/kg		11/23/13 19:01	N
EPA 8270	8.957:Dodecane, 2-methyl-	1240	ug/kg		11/23/13 19:01	N
EPA 8270	9.010:Unknown	3150	ug/kg		11/23/13 19:01	N
EPA 8270	9.174:Tridecane	8240	ug/kg		11/23/13 19:01	N
EPA 8270	13.212:Hexadecane	3810	ug/kg		11/23/13 19:01	N
EPA 8270	14.023:Tetracosane	848	ug/kg		11/23/13 19:01	N
EPA 8270 by SIM	Fluorene	258J	ug/kg	271	11/20/13 19:20	
EPA 8270 by SIM	1-Methylnaphthalene	1530	ug/kg	271	11/20/13 19:20	
EPA 8270 by SIM	2-Methylnaphthalene	1590	ug/kg	271	11/20/13 19:20	
EPA 8270 by SIM	Phenanthrene	477	ug/kg	271	11/20/13 19:20	
EPA 8270 by SIM	Pyrene	233J	ug/kg	271	11/20/13 19:20	
EPA 8260	Methyl acetate	600	ug/kg	303	11/22/13 05:40	
EPA 8260	Trichloroethene	481	ug/kg	151	11/22/13 05:40	
EPA 8260	8.177:Unknown Cycloalkane	8990	ug/kg		11/22/13 05:40	N
EPA 8260	8.439:Unknown Cycloalkane	7490	ug/kg		11/22/13 05:40	N
EPA 8260	8.509:Cyclohexane, 1,1,4,4-tet	9170	ug/kg		11/22/13 05:40	N
EPA 8260	8.662:Unknown	7060	ug/kg		11/22/13 05:40	N
EPA 8260	8.706:Unknown	21100	ug/kg		11/22/13 05:40	N
EPA 8260	8.793:Naphthalene, decahydro-2	13100	ug/kg		11/22/13 05:40	N
EPA 8260	8.908:Dodecane	13000	ug/kg		11/22/13 05:40	N
EPA 8260	9.033:Cyclohexene, 2-ethenyl-1	12100	ug/kg		11/22/13 05:40	N
EPA 8260	9.142:Unknown Alkane	8830	ug/kg		11/22/13 05:40	N
EPA 8260	9.197:Unknown Cycloalkane	9840	ug/kg		11/22/13 05:40	N
EPA 8260	9.246:Unknown Alkane	15000	ug/kg		11/22/13 05:40	N

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92180022011	**CTS-CSS-SB-206-14-15**					
EPA 8260	9.306:trans,trans-1,6-Dimethyl	10900	ug/kg		11/22/13 05:40	N
ASTM D2974-87	Percent Moisture	26.1	%	0.10	11/22/13 14:26	
92180022012	**CTS-SB-23-0-1**					
EPA 8270	4,6-Dinitro-2-methylphenol	679J	ug/kg	802	11/23/13 19:32	
EPA 8270 by SIM	Benzo(a)anthracene	5.0J	ug/kg	12.1	11/20/13 18:00	
EPA 8270 by SIM	Benzo(a)pyrene	4.9J	ug/kg	12.1	11/20/13 18:00	
EPA 8270 by SIM	Benzo(b)fluoranthene	4.4J	ug/kg	12.1	11/20/13 18:00	
EPA 8270 by SIM	Benzo(k)fluoranthene	4.0J	ug/kg	12.1	11/20/13 18:00	
EPA 8270 by SIM	Chrysene	5.3J	ug/kg	12.1	11/20/13 18:00	
EPA 8270 by SIM	Fluoranthene	11.0J	ug/kg	12.1	11/20/13 18:00	
EPA 8270 by SIM	Phenanthrene	4.2J	ug/kg	12.1	11/20/13 18:00	
EPA 8270 by SIM	Pyrene	9.0J	ug/kg	12.1	11/20/13 18:00	
EPA 8260	Acetone	31.6J	ug/kg	132	11/22/13 15:21	
EPA 8260	7.009:Hexanal	11.6	ug/kg		11/22/13 15:21	N
EPA 8260	7.587:Naphthalene, 1,3-dimethy	19.7	ug/kg		11/22/13 15:21	N
EPA 8260	8.106:Hexadecane	20.4	ug/kg		11/22/13 15:21	N
EPA 8260	8.646:Unknown Amine	24.2	ug/kg		11/22/13 15:21	N
EPA 8260	8.973:Naphthalene, 1,6,7-trime	28.5	ug/kg		11/22/13 15:21	N
EPA 8260	9.033:Naphthalene, 2,3,6-trime	33.0	ug/kg		11/22/13 15:21	N
EPA 8260	9.202:Naphthalene, 1,4,6-trime	35.4	ug/kg		11/22/13 15:21	N
EPA 8260	9.470:Naphthalene, 2,3,6-trime	20.1	ug/kg		11/22/13 15:21	N
EPA 8260	10.168:Pentadecane	8.8	ug/kg		11/22/13 15:21	N
ASTM D2974-87	Percent Moisture	17.7	%	0.10	11/22/13 14:26	
92180022013	**CTS-SB-23-9-10**					
EPA 8270	4.046:Unknown	317	ug/kg		11/23/13 20:04	N
EPA 8260	Acetone	13.6J	ug/kg	116	11/22/13 15:41	
EPA 8260	Methylene Chloride	3.8J	ug/kg	23.2	11/22/13 15:41	
EPA 8260	8.646:Unknown Amine	8.6	ug/kg		11/22/13 15:41	N
ASTM D2974-87	Percent Moisture	17.3	%	0.10	11/22/13 14:26	
92180022014	**CTS-SB-23-14-15**					
EPA 8270	10.225:Pentadecane	370	ug/kg		11/23/13 20:35	N
EPA 8270	10.713:Hexadecane	360	ug/kg		11/23/13 20:35	N
EPA 8270	11.198:Pentadecane, 2,6,10,14-	288	ug/kg		11/23/13 20:35	N
EPA 8270	12.028:2-Bromo dodecane	391	ug/kg		11/23/13 20:35	N
EPA 8270	12.422:Eicosane	274	ug/kg		11/23/13 20:35	N
EPA 8270 by SIM	Fluorene	1.9J	ug/kg	10.9	11/20/13 18:40	
EPA 8270 by SIM	Phenanthrene	26.3	ug/kg	10.9	11/20/13 18:40	
EPA 8260	Methyl acetate	4.7J	ug/kg	10.8	11/22/13 16:00	
ASTM D2974-87	Percent Moisture	8.6	%	0.10	11/22/13 14:27	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Method: **EPA 8270**
Description: 8270 MSSV Microwave
Client: AMEC, Asheville
Date: November 26, 2013

General Information:
13 samples were analyzed for EPA 8270. 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.

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.

QC Batch: OEXT/24825

S0: Surrogate recovery outside laboratory control limits.
- CTS-CSS-SB-206-4-5 (Lab ID: 92180022009)
  - 2-Fluorobiphenyl (S)

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
- CTS-SB-23-9-10 (Lab ID: 92180022013)
  - 2,4,6-Tribromophenol (S)
  - Phenol-d6 (S)

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

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

QC Batch: OEXT/24825

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
- LCS (Lab ID: 1090118)
  - Benzaldehyde

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: 1090118)

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PROJECT NARRATIVE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Method: **EPA 8270**
Description: 8270 MSSV Microwave
Client: AMEC, Asheville
Date: November 26, 2013

QC Batch: OEXT/24825

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.

- 2,3,4,6-Tetrachlorophenol
- 2,4-Dinitrophenol
- 2,6-Dinitrotoluene
- 4-Nitroaniline
- Atrazine

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

QC Batch: OEXT/24825

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92180022010

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

- MS (Lab ID: 1090119)
  - Benzaldehyde
- MSD (Lab ID: 1090120)
  - Benzaldehyde

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1090119)
  - 2,2'-Oxybis(1-chloropropane)
  - 2,3,4,6-Tetrachlorophenol
  - Acetophenone
  - Biphenyl (Diphenyl)
- MSD (Lab ID: 1090120)
  - 2,2'-Oxybis(1-chloropropane)
  - 2,3,4,6-Tetrachlorophenol
  - Acetophenone
  - Biphenyl (Diphenyl)

Additional Comments:

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PROJECT NARRATIVE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Method: **EPA 8270 by SIM**
Description: 8270 MSSV MW PAH by SIM
Client: AMEC, Asheville
Date: November 26, 2013

General Information:
13 samples were analyzed for EPA 8270 by SIM. 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.

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.

QC Batch: OEXT/24817

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- CTS-CSS-SB-206-14-15 (Lab ID: 92180022011)
  - Nitrobenzene-d5 (S)
- CTS-SB-24-14-15 (Lab ID: 92180022005)
  - Nitrobenzene-d5 (S)

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

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

QC Batch: OEXT/24817

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: 1089636)
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(k)fluoranthene
  - Fluoranthene
- LCSD (Lab ID: 1089637)
  - Benzo(k)fluoranthene

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PROJECT NARRATIVE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Method: **EPA 8270 by SIM**
Description: 8270 MSSV MW PAH by SIM
Client: AMEC, Asheville
Date: November 26, 2013

QC Batch: OEXT/24817

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.

- Fluoranthene

Matrix Spikes:

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

QC Batch: OEXT/24817

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92180022010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1090067)
  - Acenaphthylene

R1: RPD value was outside control limits.

- MSD (Lab ID: 1090068)
  - 1-Methylnaphthalene
  - 2-Methylnaphthalene
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Fluoranthene
  - Fluorene
  - Naphthalene
  - Phenanthrene

Additional Comments:

Analyte Comments:

QC Batch: OEXT/24817

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

- CTS-CSS-SB-206-14-15 (Lab ID: 92180022011)
  - Nitrobenzene-d5 (S)
- CTS-SB-24-14-15 (Lab ID: 92180022005)
  - Nitrobenzene-d5 (S)

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PROJECT NARRATIVE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Method: **EPA 8260**
Description: 8260/5035A Volatile Organics
Client: AMEC, Asheville
Date: November 26, 2013

General Information:
14 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.

QC Batch: MSV/24990

S2: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

- CTS-SB-24-14-15 (Lab ID: 92180022005)
  - 1,2-Dichloroethane-d4 (S)
  - 4-Bromofluorobenzene (S)

S5: Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

- CTS-CSS-SB-206-14-15 (Lab ID: 92180022011)
  - 1,2-Dichloroethane-d4 (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, 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/24990

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92180022010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1091642)
  - Methyl acetate
  - Styrene
  - trans-1,3-Dichloropropene

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PROJECT NARRATIVE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Method: **EPA 8260**
Description: 8260/5035A Volatile Organics
Client: AMEC, Asheville
Date: November 26, 2013

QC Batch: MSV/24990

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92180022010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 1091643)
  - Methyl acetate
  - Styrene

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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(704)875-9092

ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-STB-03 **Lab ID: 92180022001** Collected: 11/18/13 00:00 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	100	10.0	1		11/21/13 22:08	67-64-1	
Benzene	ND	ug/kg	5.0	1.6	1		11/21/13 22:08	71-43-2	
Bromochloromethane	ND	ug/kg	5.0	1.7	1		11/21/13 22:08	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1.9	1		11/21/13 22:08	75-27-4	
Bromoform	ND	ug/kg	5.0	2.3	1		11/21/13 22:08	75-25-2	
Bromomethane	ND	ug/kg	10.0	2.5	1		11/21/13 22:08	74-83-9	
2-Butanone (MEK)	ND	ug/kg	100	2.9	1		11/21/13 22:08	78-93-3	
Carbon disulfide	ND	ug/kg	10.0	3.0	1		11/21/13 22:08	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	2.6	1		11/21/13 22:08	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1.9	1		11/21/13 22:08	108-90-7	
Chloroethane	ND	ug/kg	10.0	2.4	1		11/21/13 22:08	75-00-3	
Chloroform	ND	ug/kg	5.0	1.6	1		11/21/13 22:08	67-66-3	
Chloromethane	ND	ug/kg	10.0	2.4	1		11/21/13 22:08	74-87-3	
Cyclohexane	ND	ug/kg	5.0	1.6	1		11/21/13 22:08	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	3.6	1		11/21/13 22:08	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1.8	1		11/21/13 22:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1.8	1		11/21/13 22:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1.9	1		11/21/13 22:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	2.0	1		11/21/13 22:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1.7	1		11/21/13 22:08	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.0	3.6	1		11/21/13 22:08	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1.5	1		11/21/13 22:08	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	2.2	1		11/21/13 22:08	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1.8	1		11/21/13 22:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1.4	1		11/21/13 22:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1.9	1		11/21/13 22:08	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1.7	1		11/21/13 22:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1.8	1		11/21/13 22:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1.5	1		11/21/13 22:08	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	150	120	1		11/21/13 22:08	123-91-1	
Ethylbenzene	ND	ug/kg	5.0	1.8	1		11/21/13 22:08	100-41-4	
2-Hexanone	ND	ug/kg	50.0	3.9	1		11/21/13 22:08	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1.9	1		11/21/13 22:08	98-82-8	
Methyl acetate	ND	ug/kg	10.0	1.4	1		11/21/13 22:08	79-20-9	
Methylcyclohexane	ND	ug/kg	10.0	1.5	1		11/21/13 22:08	108-87-2	
Methylene Chloride	ND	ug/kg	20.0	3.0	1		11/21/13 22:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.0	3.7	1		11/21/13 22:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1.5	1		11/21/13 22:08	1634-04-4	
Styrene	ND	ug/kg	5.0	1.8	1		11/21/13 22:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1.9	1		11/21/13 22:08	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1.7	1		11/21/13 22:08	127-18-4	
Toluene	ND	ug/kg	5.0	1.8	1		11/21/13 22:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	2.2	1		11/21/13 22:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1.6	1		11/21/13 22:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1.8	1		11/21/13 22:08	71-55-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-STB-03 **Lab ID: 92180022001** Collected: 11/18/13 00:00 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/kg	5.0	2.1	1		11/21/13 22:08	79-00-5	
Trichloroethene	ND	ug/kg	5.0	2.1	1		11/21/13 22:08	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	2.2	1		11/21/13 22:08	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.0	1.9	1		11/21/13 22:08	76-13-1	
Vinyl chloride	ND	ug/kg	10.0	1.8	1		11/21/13 22:08	75-01-4	
m&p-Xylene	ND	ug/kg	10.0	3.6	1		11/21/13 22:08	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1.9	1		11/21/13 22:08	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/21/13 22:08	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		11/21/13 22:08	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-132		1		11/21/13 22:08	17060-07-0	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-STB-5-02 **Lab ID: 92180022002** Collected: 11/18/13 11:50 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	375	193	1	11/20/13 09:55	11/22/13 20:24	98-86-2	
Atrazine	ND	ug/kg	751	148	1	11/20/13 09:55	11/22/13 20:24	1912-24-9	
Benzaldehyde	ND	ug/kg	751	375	1	11/20/13 09:55	11/22/13 20:24	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	375	118	1	11/20/13 09:55	11/22/13 20:24	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	375	68.2	1	11/20/13 09:55	11/22/13 20:24	101-55-3	
Butylbenzylphthalate	ND	ug/kg	375	79.6	1	11/20/13 09:55	11/22/13 20:24	85-68-7	
Caprolactam	ND	ug/kg	375	64.8	1	11/20/13 09:55	11/22/13 20:24	105-60-2	
Carbazole	ND	ug/kg	375	71.6	1	11/20/13 09:55	11/22/13 20:24	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	751	77.3	1	11/20/13 09:55	11/22/13 20:24	59-50-7	
4-Chloroaniline	ND	ug/kg	1880	105	1	11/20/13 09:55	11/22/13 20:24	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	375	87.6	1	11/20/13 09:55	11/22/13 20:24	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	375	95.5	1	11/20/13 09:55	11/22/13 20:24	111-44-4	
2-Chloronaphthalene	ND	ug/kg	375	73.9	1	11/20/13 09:55	11/22/13 20:24	91-58-7	
2-Chlorophenol	ND	ug/kg	375	102	1	11/20/13 09:55	11/22/13 20:24	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	375	77.3	1	11/20/13 09:55	11/22/13 20:24	7005-72-3	
Dibenzofuran	ND	ug/kg	375	61.4	1	11/20/13 09:55	11/22/13 20:24	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1880	81.9	1	11/20/13 09:55	11/22/13 20:24	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	375	81.9	1	11/20/13 09:55	11/22/13 20:24	120-83-2	
Diethylphthalate	ND	ug/kg	375	58.0	1	11/20/13 09:55	11/22/13 20:24	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	375	148	1	11/20/13 09:55	11/22/13 20:24	105-67-9	
Dimethylphthalate	ND	ug/kg	375	76.2	1	11/20/13 09:55	11/22/13 20:24	131-11-3	
Di-n-butylphthalate	ND	ug/kg	375	61.4	1	11/20/13 09:55	11/22/13 20:24	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	751	75.1	1	11/20/13 09:55	11/22/13 20:24	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1880	61.4	1	11/20/13 09:55	11/22/13 20:24	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	375	70.5	1	11/20/13 09:55	11/22/13 20:24	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	375	78.5	1	11/20/13 09:55	11/22/13 20:24	606-20-2	
Di-n-octylphthalate	**238J**	ug/kg	375	78.5	1	11/20/13 09:55	11/22/13 20:24	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	375	102	1	11/20/13 09:55	11/22/13 20:24	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	375	64.8	1	11/20/13 09:55	11/22/13 20:24	87-68-3	
Hexachlorobenzene	ND	ug/kg	375	47.8	1	11/20/13 09:55	11/22/13 20:24	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	375	69.4	1	11/20/13 09:55	11/22/13 20:24	77-47-4	
Hexachloroethane	ND	ug/kg	375	98.9	1	11/20/13 09:55	11/22/13 20:24	67-72-1	
Isophorone	ND	ug/kg	375	84.1	1	11/20/13 09:55	11/22/13 20:24	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	375	114	1	11/20/13 09:55	11/22/13 20:24	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	375	148	1	11/20/13 09:55	11/22/13 20:24		
2-Nitroaniline	ND	ug/kg	1880	116	1	11/20/13 09:55	11/22/13 20:24	88-74-4	
3-Nitroaniline	ND	ug/kg	1880	102	1	11/20/13 09:55	11/22/13 20:24	99-09-2	
4-Nitroaniline	ND	ug/kg	751	106	1	11/20/13 09:55	11/22/13 20:24	100-01-6	
Nitrobenzene	ND	ug/kg	375	102	1	11/20/13 09:55	11/22/13 20:24	98-95-3	
2-Nitrophenol	ND	ug/kg	375	91.0	1	11/20/13 09:55	11/22/13 20:24	88-75-5	
4-Nitrophenol	ND	ug/kg	1880	67.1	1	11/20/13 09:55	11/22/13 20:24	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	375	71.6	1	11/20/13 09:55	11/22/13 20:24	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	375	111	1	11/20/13 09:55	11/22/13 20:24	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	375	100	1	11/20/13 09:55	11/22/13 20:24	108-60-1	
Pentachlorophenol	ND	ug/kg	1880	68.2	1	11/20/13 09:55	11/22/13 20:24	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-STB-5-02 **Lab ID: 92180022002** Collected: 11/18/13 11:50 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	375	113	1	11/20/13 09:55	11/22/13 20:24	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	375	136	1	11/20/13 09:55	11/22/13 20:24	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	375	148	1	11/20/13 09:55	11/22/13 20:24	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	375	116	1	11/20/13 09:55	11/22/13 20:24	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	375	83.0	1	11/20/13 09:55	11/22/13 20:24	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	48	%	30-110		1	11/20/13 09:55	11/22/13 20:24	321-60-8	
Terphenyl-d14 (S)	55	%	28-110		1	11/20/13 09:55	11/22/13 20:24	1718-51-0	
Phenol-d6 (S)	48	%	22-110		1	11/20/13 09:55	11/22/13 20:24	13127-88-3	
2-Fluorophenol (S)	50	%	13-110		1	11/20/13 09:55	11/22/13 20:24	367-12-4	
2,4,6-Tribromophenol (S)	75	%	27-110		1	11/20/13 09:55	11/22/13 20:24	118-79-6	
Nitrobenzene-d5 (S)	48	%	23-110		1	11/20/13 09:55	11/22/13 20:24	4165-60-0	
Tentatively Identified Compounds									
Tridecane, 7-methyl-	**192**	ug/kg			1	11/20/13 09:55	11/22/13 20:24	26730-14-3	N
Tridecane	**285**	ug/kg			1	11/20/13 09:55	11/22/13 20:24	629-50-5	N
Hexadecane, 2,6,10,14-t	**552**	ug/kg			1	11/20/13 09:55	11/22/13 20:24	638-36-8	N
Nonadecane	**1290**	ug/kg			1	11/20/13 09:55	11/22/13 20:24	629-92-5	N
Eicosane	**1100**	ug/kg			1	11/20/13 09:55	11/22/13 20:24	112-95-8	N
Heneicosane	**667**	ug/kg			1	11/20/13 09:55	11/22/13 20:24	629-94-7	N
Docosane	**213**	ug/kg			1	11/20/13 09:55	11/22/13 20:24	629-97-0	N
Hexadecane, 2,6,10,14-t	**1240**	ug/kg			1	11/20/13 09:55	11/22/13 20:24	638-36-8	N
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.4	1.7	1	11/20/13 09:00	11/20/13 13:59	83-32-9	
Acenaphthylene	ND	ug/kg	11.4	1.5	1	11/20/13 09:00	11/20/13 13:59	208-96-8	
Anthracene	ND	ug/kg	11.4	1.6	1	11/20/13 09:00	11/20/13 13:59	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.4	0.81	1	11/20/13 09:00	11/20/13 13:59	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.4	1.3	1	11/20/13 09:00	11/20/13 13:59	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.4	0.76	1	11/20/13 09:00	11/20/13 13:59	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.4	3.0	1	11/20/13 09:00	11/20/13 13:59	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.4	1.7	1	11/20/13 09:00	11/20/13 13:59	207-08-9	
Chrysene	ND	ug/kg	11.4	2.0	1	11/20/13 09:00	11/20/13 13:59	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.4	2.0	1	11/20/13 09:00	11/20/13 13:59	53-70-3	
Fluoranthene	ND	ug/kg	11.4	0.94	1	11/20/13 09:00	11/20/13 13:59	206-44-0	
Fluorene	ND	ug/kg	11.4	1.8	1	11/20/13 09:00	11/20/13 13:59	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.4	3.2	1	11/20/13 09:00	11/20/13 13:59	193-39-5	
1-Methylnaphthalene	**25.1**	ug/kg	11.4	1.4	1	11/20/13 09:00	11/20/13 13:59	90-12-0	
2-Methylnaphthalene	**12.0**	ug/kg	11.4	1.3	1	11/20/13 09:00	11/20/13 13:59	91-57-6	
Naphthalene	ND	ug/kg	11.4	2.6	1	11/20/13 09:00	11/20/13 13:59	91-20-3	
Phenanthrene	**80.6**	ug/kg	11.4	1.7	1	11/20/13 09:00	11/20/13 13:59	85-01-8	
Pyrene	**11.9**	ug/kg	11.4	2.0	1	11/20/13 09:00	11/20/13 13:59	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	63	%	10-128		1	11/20/13 09:00	11/20/13 13:59	4165-60-0	
2-Fluorobiphenyl (S)	62	%	10-110		1	11/20/13 09:00	11/20/13 13:59	321-60-8	
Terphenyl-d14 (S)	77	%	39-119		1	11/20/13 09:00	11/20/13 13:59	1718-51-0	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-STB-5-02 **Lab ID: 92180022002** Collected: 11/18/13 11:50 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**52.0J**	ug/kg	102	10.2	1		11/22/13 02:43	67-64-1	
Benzene	ND	ug/kg	5.1	1.6	1		11/22/13 02:43	71-43-2	
Bromochloromethane	ND	ug/kg	5.1	1.7	1		11/22/13 02:43	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1.9	1		11/22/13 02:43	75-27-4	
Bromoform	ND	ug/kg	5.1	2.3	1		11/22/13 02:43	75-25-2	
Bromomethane	ND	ug/kg	10.2	2.5	1		11/22/13 02:43	74-83-9	
2-Butanone (MEK)	ND	ug/kg	102	3.0	1		11/22/13 02:43	78-93-3	
Carbon disulfide	ND	ug/kg	10.2	3.1	1		11/22/13 02:43	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	2.6	1		11/22/13 02:43	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1.9	1		11/22/13 02:43	108-90-7	
Chloroethane	ND	ug/kg	10.2	2.4	1		11/22/13 02:43	75-00-3	
Chloroform	ND	ug/kg	5.1	1.6	1		11/22/13 02:43	67-66-3	
Chloromethane	ND	ug/kg	10.2	2.4	1		11/22/13 02:43	74-87-3	
Cyclohexane	ND	ug/kg	5.1	1.6	1		11/22/13 02:43	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	3.7	1		11/22/13 02:43	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1.8	1		11/22/13 02:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1.8	1		11/22/13 02:43	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1.9	1		11/22/13 02:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	2.0	1		11/22/13 02:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1.7	1		11/22/13 02:43	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.2	3.7	1		11/22/13 02:43	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1.5	1		11/22/13 02:43	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	2.2	1		11/22/13 02:43	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1.8	1		11/22/13 02:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1.4	1		11/22/13 02:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1.9	1		11/22/13 02:43	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1.7	1		11/22/13 02:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1.8	1		11/22/13 02:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1.5	1		11/22/13 02:43	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	153	122	1		11/22/13 02:43	123-91-1	
Ethylbenzene	ND	ug/kg	5.1	1.8	1		11/22/13 02:43	100-41-4	
2-Hexanone	ND	ug/kg	50.9	4.0	1		11/22/13 02:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1.9	1		11/22/13 02:43	98-82-8	
Methyl acetate	ND	ug/kg	10.2	1.4	1		11/22/13 02:43	79-20-9	
Methylcyclohexane	ND	ug/kg	10.2	1.5	1		11/22/13 02:43	108-87-2	
Methylene Chloride	ND	ug/kg	20.4	3.1	1		11/22/13 02:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.9	3.8	1		11/22/13 02:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1.5	1		11/22/13 02:43	1634-04-4	
Styrene	ND	ug/kg	5.1	1.8	1		11/22/13 02:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1.9	1		11/22/13 02:43	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1.7	1		11/22/13 02:43	127-18-4	
Toluene	ND	ug/kg	5.1	1.8	1		11/22/13 02:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	2.2	1		11/22/13 02:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1.6	1		11/22/13 02:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1.8	1		11/22/13 02:43	71-55-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-STB-5-02 **Lab ID: 92180022002** Collected: 11/18/13 11:50 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/kg	5.1	2.1	1		11/22/13 02:43	79-00-5	
Trichloroethene	**49.1**	ug/kg	5.1	2.1	1		11/22/13 02:43	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	2.2	1		11/22/13 02:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.1	1.9	1		11/22/13 02:43	76-13-1	
Vinyl chloride	ND	ug/kg	10.2	1.8	1		11/22/13 02:43	75-01-4	
m&p-Xylene	ND	ug/kg	10.2	3.7	1		11/22/13 02:43	179601-23-1	
o-Xylene	ND	ug/kg	5.1	1.9	1		11/22/13 02:43	95-47-6	
Surrogates									
Toluene-d8 (S)	95	%	70-130		1		11/22/13 02:43	2037-26-5	
4-Bromofluorobenzene (S)	92	%	70-130		1		11/22/13 02:43	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%	70-132		1		11/22/13 02:43	17060-07-0	
Tentatively Identified Compounds									
Octane, 2,6-dimethyl-	**225**	ug/kg			1		11/22/13 02:43	2051-30-1	N
Tridecane	**195**	ug/kg			1		11/22/13 02:43	629-50-5	N
Unknown Amine	**74.9**	ug/kg			1		11/22/13 02:43		N
Unknown Cycloalkane	**102**	ug/kg			1		11/22/13 02:43		N
Nonane, 3,7-dimethyl-	**83.6**	ug/kg			1		11/22/13 02:43	17302-32-8	N
Tetradecane	**169**	ug/kg			1		11/22/13 02:43	629-59-4	N
Pentadecane	**86.2**	ug/kg			1		11/22/13 02:43	629-62-9	N
Octane, 2,6-dimethyl-	**276**	ug/kg			1		11/22/13 02:43	2051-30-1	N
Decane	**137**	ug/kg			1		11/22/13 02:43	124-18-5	N
Unknown Alkane	**111**	ug/kg			1		11/22/13 02:43		N
Unknown Alkane	**72.2**	ug/kg			1		11/22/13 02:43		N
Unknown Cycloalkane	**105**	ug/kg			1		11/22/13 02:43		N
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.1**	%	0.10	0.10	1		11/22/13 14:24		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-24-3-4 **Lab ID: 92180022003** Collected: 11/18/13 10:30 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	368	190	1	11/20/13 09:55	11/23/13 14:47	98-86-2	
Atrazine	ND	ug/kg	736	145	1	11/20/13 09:55	11/23/13 14:47	1912-24-9	
Benzaldehyde	ND	ug/kg	736	368	1	11/20/13 09:55	11/23/13 14:47	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	368	116	1	11/20/13 09:55	11/23/13 14:47	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	368	66.9	1	11/20/13 09:55	11/23/13 14:47	101-55-3	
Butylbenzylphthalate	ND	ug/kg	368	78.1	1	11/20/13 09:55	11/23/13 14:47	85-68-7	
Caprolactam	ND	ug/kg	368	63.6	1	11/20/13 09:55	11/23/13 14:47	105-60-2	
Carbazole	ND	ug/kg	368	70.3	1	11/20/13 09:55	11/23/13 14:47	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	736	75.8	1	11/20/13 09:55	11/23/13 14:47	59-50-7	
4-Chloroaniline	ND	ug/kg	1840	103	1	11/20/13 09:55	11/23/13 14:47	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	368	85.9	1	11/20/13 09:55	11/23/13 14:47	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	368	93.7	1	11/20/13 09:55	11/23/13 14:47	111-44-4	
2-Chloronaphthalene	ND	ug/kg	368	72.5	1	11/20/13 09:55	11/23/13 14:47	91-58-7	
2-Chlorophenol	ND	ug/kg	368	100	1	11/20/13 09:55	11/23/13 14:47	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	368	75.8	1	11/20/13 09:55	11/23/13 14:47	7005-72-3	
Dibenzofuran	ND	ug/kg	368	60.2	1	11/20/13 09:55	11/23/13 14:47	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1840	80.3	1	11/20/13 09:55	11/23/13 14:47	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	368	80.3	1	11/20/13 09:55	11/23/13 14:47	120-83-2	
Diethylphthalate	ND	ug/kg	368	56.9	1	11/20/13 09:55	11/23/13 14:47	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	368	145	1	11/20/13 09:55	11/23/13 14:47	105-67-9	
Dimethylphthalate	ND	ug/kg	368	74.7	1	11/20/13 09:55	11/23/13 14:47	131-11-3	
Di-n-butylphthalate	ND	ug/kg	368	60.2	1	11/20/13 09:55	11/23/13 14:47	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	736	73.6	1	11/20/13 09:55	11/23/13 14:47	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1840	60.2	1	11/20/13 09:55	11/23/13 14:47	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	368	69.1	1	11/20/13 09:55	11/23/13 14:47	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	368	77.0	1	11/20/13 09:55	11/23/13 14:47	606-20-2	
Di-n-octylphthalate	ND	ug/kg	368	77.0	1	11/20/13 09:55	11/23/13 14:47	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	368	100	1	11/20/13 09:55	11/23/13 14:47	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	368	63.6	1	11/20/13 09:55	11/23/13 14:47	87-68-3	
Hexachlorobenzene	ND	ug/kg	368	46.8	1	11/20/13 09:55	11/23/13 14:47	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	368	68.0	1	11/20/13 09:55	11/23/13 14:47	77-47-4	
Hexachloroethane	ND	ug/kg	368	97.0	1	11/20/13 09:55	11/23/13 14:47	67-72-1	
Isophorone	ND	ug/kg	368	82.5	1	11/20/13 09:55	11/23/13 14:47	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	368	112	1	11/20/13 09:55	11/23/13 14:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	368	145	1	11/20/13 09:55	11/23/13 14:47		
2-Nitroaniline	ND	ug/kg	1840	114	1	11/20/13 09:55	11/23/13 14:47	88-74-4	
3-Nitroaniline	ND	ug/kg	1840	100	1	11/20/13 09:55	11/23/13 14:47	99-09-2	
4-Nitroaniline	ND	ug/kg	736	104	1	11/20/13 09:55	11/23/13 14:47	100-01-6	
Nitrobenzene	ND	ug/kg	368	100	1	11/20/13 09:55	11/23/13 14:47	98-95-3	
2-Nitrophenol	ND	ug/kg	368	89.2	1	11/20/13 09:55	11/23/13 14:47	88-75-5	
4-Nitrophenol	ND	ug/kg	1840	65.8	1	11/20/13 09:55	11/23/13 14:47	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	368	70.3	1	11/20/13 09:55	11/23/13 14:47	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	368	109	1	11/20/13 09:55	11/23/13 14:47	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	368	98.1	1	11/20/13 09:55	11/23/13 14:47	108-60-1	
Pentachlorophenol	ND	ug/kg	1840	66.9	1	11/20/13 09:55	11/23/13 14:47	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-24-3-4 **Lab ID: 92180022003** Collected: 11/18/13 10:30 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	368	110	1	11/20/13 09:55	11/23/13 14:47	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	368	134	1	11/20/13 09:55	11/23/13 14:47	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	368	145	1	11/20/13 09:55	11/23/13 14:47	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	368	114	1	11/20/13 09:55	11/23/13 14:47	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	368	81.4	1	11/20/13 09:55	11/23/13 14:47	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	53	%	30-110		1	11/20/13 09:55	11/23/13 14:47	321-60-8	
Terphenyl-d14 (S)	58	%	28-110		1	11/20/13 09:55	11/23/13 14:47	1718-51-0	
Phenol-d6 (S)	47	%	22-110		1	11/20/13 09:55	11/23/13 14:47	13127-88-3	
2-Fluorophenol (S)	49	%	13-110		1	11/20/13 09:55	11/23/13 14:47	367-12-4	
2,4,6-Tribromophenol (S)	59	%	27-110		1	11/20/13 09:55	11/23/13 14:47	118-79-6	
Nitrobenzene-d5 (S)	50	%	23-110		1	11/20/13 09:55	11/23/13 14:47	4165-60-0	
Tentatively Identified Compounds									
Unknown	**435**	ug/kg			1	11/20/13 09:55	11/23/13 14:47		N
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.2	1.7	1	11/20/13 09:00	11/20/13 14:19	83-32-9	
Acenaphthylene	ND	ug/kg	11.2	1.4	1	11/20/13 09:00	11/20/13 14:19	208-96-8	
Anthracene	ND	ug/kg	11.2	1.6	1	11/20/13 09:00	11/20/13 14:19	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.2	0.79	1	11/20/13 09:00	11/20/13 14:19	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.2	1.2	1	11/20/13 09:00	11/20/13 14:19	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.2	0.75	1	11/20/13 09:00	11/20/13 14:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.2	2.9	1	11/20/13 09:00	11/20/13 14:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.2	1.7	1	11/20/13 09:00	11/20/13 14:19	207-08-9	
Chrysene	ND	ug/kg	11.2	2.0	1	11/20/13 09:00	11/20/13 14:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.2	2.0	1	11/20/13 09:00	11/20/13 14:19	53-70-3	
Fluoranthene	ND	ug/kg	11.2	0.93	1	11/20/13 09:00	11/20/13 14:19	206-44-0	
Fluorene	ND	ug/kg	11.2	1.8	1	11/20/13 09:00	11/20/13 14:19	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.2	3.1	1	11/20/13 09:00	11/20/13 14:19	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.2	1.3	1	11/20/13 09:00	11/20/13 14:19	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.2	1.2	1	11/20/13 09:00	11/20/13 14:19	91-57-6	
Naphthalene	ND	ug/kg	11.2	2.6	1	11/20/13 09:00	11/20/13 14:19	91-20-3	
Phenanthrene	ND	ug/kg	11.2	1.7	1	11/20/13 09:00	11/20/13 14:19	85-01-8	
Pyrene	ND	ug/kg	11.2	2.0	1	11/20/13 09:00	11/20/13 14:19	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	69	%	10-128		1	11/20/13 09:00	11/20/13 14:19	4165-60-0	
2-Fluorobiphenyl (S)	68	%	10-110		1	11/20/13 09:00	11/20/13 14:19	321-60-8	
Terphenyl-d14 (S)	84	%	39-119		1	11/20/13 09:00	11/20/13 14:19	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**49.7J**	ug/kg	92.3	9.2	1		11/22/13 03:03	67-64-1	
Benzene	ND	ug/kg	4.6	1.5	1		11/22/13 03:03	71-43-2	
Bromochloromethane	ND	ug/kg	4.6	1.6	1		11/22/13 03:03	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1.8	1		11/22/13 03:03	75-27-4	
Bromoform	ND	ug/kg	4.6	2.1	1		11/22/13 03:03	75-25-2	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-24-3-4 **Lab ID: 92180022003** Collected: 11/18/13 10:30 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Bromomethane	ND	ug/kg	9.2	2.3	1		11/22/13 03:03	74-83-9	
2-Butanone (MEK)	ND	ug/kg	92.3	2.7	1		11/22/13 03:03	78-93-3	
Carbon disulfide	ND	ug/kg	9.2	2.8	1		11/22/13 03:03	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	2.4	1		11/22/13 03:03	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1.8	1		11/22/13 03:03	108-90-7	
Chloroethane	ND	ug/kg	9.2	2.2	1		11/22/13 03:03	75-00-3	
Chloroform	ND	ug/kg	4.6	1.5	1		11/22/13 03:03	67-66-3	
Chloromethane	ND	ug/kg	9.2	2.2	1		11/22/13 03:03	74-87-3	
Cyclohexane	ND	ug/kg	4.6	1.5	1		11/22/13 03:03	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	3.3	1		11/22/13 03:03	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1.7	1		11/22/13 03:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1.7	1		11/22/13 03:03	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1.8	1		11/22/13 03:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1.8	1		11/22/13 03:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1.6	1		11/22/13 03:03	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.2	3.3	1		11/22/13 03:03	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1.4	1		11/22/13 03:03	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	2.0	1		11/22/13 03:03	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1.7	1		11/22/13 03:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1.3	1		11/22/13 03:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1.8	1		11/22/13 03:03	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1.6	1		11/22/13 03:03	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1.7	1		11/22/13 03:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1.4	1		11/22/13 03:03	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	138	111	1		11/22/13 03:03	123-91-1	
Ethylbenzene	ND	ug/kg	4.6	1.7	1		11/22/13 03:03	100-41-4	
2-Hexanone	ND	ug/kg	46.2	3.6	1		11/22/13 03:03	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1.8	1		11/22/13 03:03	98-82-8	
Methyl acetate	ND	ug/kg	9.2	1.3	1		11/22/13 03:03	79-20-9	
Methylcyclohexane	ND	ug/kg	9.2	1.4	1		11/22/13 03:03	108-87-2	
Methylene Chloride	ND	ug/kg	18.5	2.8	1		11/22/13 03:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.2	3.4	1		11/22/13 03:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1.4	1		11/22/13 03:03	1634-04-4	
Styrene	ND	ug/kg	4.6	1.7	1		11/22/13 03:03	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1.8	1		11/22/13 03:03	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1.6	1		11/22/13 03:03	127-18-4	
Toluene	ND	ug/kg	4.6	1.7	1		11/22/13 03:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	2.0	1		11/22/13 03:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1.5	1		11/22/13 03:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1.7	1		11/22/13 03:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1.9	1		11/22/13 03:03	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1.9	1		11/22/13 03:03	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	2.0	1		11/22/13 03:03	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.6	1.8	1		11/22/13 03:03	76-13-1	
Vinyl chloride	ND	ug/kg	9.2	1.7	1		11/22/13 03:03	75-01-4	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-24-3-4 **Lab ID: 92180022003** Collected: 11/18/13 10:30 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
m&p-Xylene	ND	ug/kg	9.2	3.3	1		11/22/13 03:03	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1.8	1		11/22/13 03:03	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		11/22/13 03:03	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		11/22/13 03:03	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-132		1		11/22/13 03:03	17060-07-0	
Tentatively Identified Compounds									
Unknown Organic Acid	**5.4**	ug/kg			1		11/22/13 03:03		N
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.3**	%	0.10	0.10	1		11/22/13 14:25		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-24-8-9 **Lab ID: 92180022004** Collected: 11/18/13 10:45 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	373	192	1	11/20/13 09:55	11/23/13 15:19	98-86-2	
Atrazine	ND	ug/kg	747	147	1	11/20/13 09:55	11/23/13 15:19	1912-24-9	
Benzaldehyde	ND	ug/kg	747	373	1	11/20/13 09:55	11/23/13 15:19	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	373	118	1	11/20/13 09:55	11/23/13 15:19	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	373	67.9	1	11/20/13 09:55	11/23/13 15:19	101-55-3	
Butylbenzylphthalate	ND	ug/kg	373	79.2	1	11/20/13 09:55	11/23/13 15:19	85-68-7	
Caprolactam	ND	ug/kg	373	64.5	1	11/20/13 09:55	11/23/13 15:19	105-60-2	
Carbazole	ND	ug/kg	373	71.3	1	11/20/13 09:55	11/23/13 15:19	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	747	77.0	1	11/20/13 09:55	11/23/13 15:19	59-50-7	
4-Chloroaniline	ND	ug/kg	1870	104	1	11/20/13 09:55	11/23/13 15:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	373	87.1	1	11/20/13 09:55	11/23/13 15:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	373	95.1	1	11/20/13 09:55	11/23/13 15:19	111-44-4	
2-Chloronaphthalene	ND	ug/kg	373	73.6	1	11/20/13 09:55	11/23/13 15:19	91-58-7	
2-Chlorophenol	ND	ug/kg	373	102	1	11/20/13 09:55	11/23/13 15:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	373	77.0	1	11/20/13 09:55	11/23/13 15:19	7005-72-3	
Dibenzofuran	ND	ug/kg	373	61.1	1	11/20/13 09:55	11/23/13 15:19	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1870	81.5	1	11/20/13 09:55	11/23/13 15:19	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	373	81.5	1	11/20/13 09:55	11/23/13 15:19	120-83-2	
Diethylphthalate	ND	ug/kg	373	57.7	1	11/20/13 09:55	11/23/13 15:19	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	373	147	1	11/20/13 09:55	11/23/13 15:19	105-67-9	
Dimethylphthalate	ND	ug/kg	373	75.8	1	11/20/13 09:55	11/23/13 15:19	131-11-3	
Di-n-butylphthalate	ND	ug/kg	373	61.1	1	11/20/13 09:55	11/23/13 15:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	747	74.7	1	11/20/13 09:55	11/23/13 15:19	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1870	61.1	1	11/20/13 09:55	11/23/13 15:19	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	373	70.2	1	11/20/13 09:55	11/23/13 15:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	373	78.1	1	11/20/13 09:55	11/23/13 15:19	606-20-2	
Di-n-octylphthalate	ND	ug/kg	373	78.1	1	11/20/13 09:55	11/23/13 15:19	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	373	102	1	11/20/13 09:55	11/23/13 15:19	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	373	64.5	1	11/20/13 09:55	11/23/13 15:19	87-68-3	
Hexachlorobenzene	ND	ug/kg	373	47.5	1	11/20/13 09:55	11/23/13 15:19	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	373	69.0	1	11/20/13 09:55	11/23/13 15:19	77-47-4	
Hexachloroethane	ND	ug/kg	373	98.5	1	11/20/13 09:55	11/23/13 15:19	67-72-1	
Isophorone	ND	ug/kg	373	83.8	1	11/20/13 09:55	11/23/13 15:19	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	373	113	1	11/20/13 09:55	11/23/13 15:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	373	147	1	11/20/13 09:55	11/23/13 15:19		
2-Nitroaniline	ND	ug/kg	1870	115	1	11/20/13 09:55	11/23/13 15:19	88-74-4	
3-Nitroaniline	ND	ug/kg	1870	102	1	11/20/13 09:55	11/23/13 15:19	99-09-2	
4-Nitroaniline	ND	ug/kg	747	105	1	11/20/13 09:55	11/23/13 15:19	100-01-6	
Nitrobenzene	ND	ug/kg	373	102	1	11/20/13 09:55	11/23/13 15:19	98-95-3	
2-Nitrophenol	ND	ug/kg	373	90.5	1	11/20/13 09:55	11/23/13 15:19	88-75-5	
4-Nitrophenol	ND	ug/kg	1870	66.8	1	11/20/13 09:55	11/23/13 15:19	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	373	71.3	1	11/20/13 09:55	11/23/13 15:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	373	111	1	11/20/13 09:55	11/23/13 15:19	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	373	99.6	1	11/20/13 09:55	11/23/13 15:19	108-60-1	
Pentachlorophenol	ND	ug/kg	1870	67.9	1	11/20/13 09:55	11/23/13 15:19	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-24-8-9 **Lab ID: 92180022004** Collected: 11/18/13 10:45 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	373	112	1	11/20/13 09:55	11/23/13 15:19	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	373	136	1	11/20/13 09:55	11/23/13 15:19	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	373	147	1	11/20/13 09:55	11/23/13 15:19	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	373	115	1	11/20/13 09:55	11/23/13 15:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	373	82.6	1	11/20/13 09:55	11/23/13 15:19	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	47	%	30-110		1	11/20/13 09:55	11/23/13 15:19	321-60-8	
Terphenyl-d14 (S)	52	%	28-110		1	11/20/13 09:55	11/23/13 15:19	1718-51-0	
Phenol-d6 (S)	40	%	22-110		1	11/20/13 09:55	11/23/13 15:19	13127-88-3	
2-Fluorophenol (S)	41	%	13-110		1	11/20/13 09:55	11/23/13 15:19	367-12-4	
2,4,6-Tribromophenol (S)	45	%	27-110		1	11/20/13 09:55	11/23/13 15:19	118-79-6	
Nitrobenzene-d5 (S)	46	%	23-110		1	11/20/13 09:55	11/23/13 15:19	4165-60-0	
Tentatively Identified Compounds									
Unknown	**209**	ug/kg			1	11/20/13 09:55	11/23/13 15:19		N
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.3	1.7	1	11/20/13 09:00	11/20/13 14:39	83-32-9	
Acenaphthylene	ND	ug/kg	11.3	1.5	1	11/20/13 09:00	11/20/13 14:39	208-96-8	
Anthracene	ND	ug/kg	11.3	1.6	1	11/20/13 09:00	11/20/13 14:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.3	0.80	1	11/20/13 09:00	11/20/13 14:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.3	1.2	1	11/20/13 09:00	11/20/13 14:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.3	0.76	1	11/20/13 09:00	11/20/13 14:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.3	2.9	1	11/20/13 09:00	11/20/13 14:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.3	1.7	1	11/20/13 09:00	11/20/13 14:39	207-08-9	
Chrysene	ND	ug/kg	11.3	2.0	1	11/20/13 09:00	11/20/13 14:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.3	2.0	1	11/20/13 09:00	11/20/13 14:39	53-70-3	
Fluoranthene	ND	ug/kg	11.3	0.94	1	11/20/13 09:00	11/20/13 14:39	206-44-0	
Fluorene	ND	ug/kg	11.3	1.8	1	11/20/13 09:00	11/20/13 14:39	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.3	3.2	1	11/20/13 09:00	11/20/13 14:39	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.3	1.4	1	11/20/13 09:00	11/20/13 14:39	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.3	1.2	1	11/20/13 09:00	11/20/13 14:39	91-57-6	
Naphthalene	ND	ug/kg	11.3	2.6	1	11/20/13 09:00	11/20/13 14:39	91-20-3	
Phenanthrene	ND	ug/kg	11.3	1.7	1	11/20/13 09:00	11/20/13 14:39	85-01-8	
Pyrene	ND	ug/kg	11.3	2.0	1	11/20/13 09:00	11/20/13 14:39	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	57	%	10-128		1	11/20/13 09:00	11/20/13 14:39	4165-60-0	
2-Fluorobiphenyl (S)	56	%	10-110		1	11/20/13 09:00	11/20/13 14:39	321-60-8	
Terphenyl-d14 (S)	67	%	39-119		1	11/20/13 09:00	11/20/13 14:39	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**26.8J**	ug/kg	111	11.1	1		11/22/13 03:22	67-64-1	
Benzene	ND	ug/kg	5.6	1.8	1		11/22/13 03:22	71-43-2	
Bromochloromethane	ND	ug/kg	5.6	1.9	1		11/22/13 03:22	74-97-5	
Bromodichloromethane	ND	ug/kg	5.6	2.1	1		11/22/13 03:22	75-27-4	
Bromoform	ND	ug/kg	5.6	2.6	1		11/22/13 03:22	75-25-2	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-24-8-9 **Lab ID: 92180022004** Collected: 11/18/13 10:45 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Bromomethane	ND	ug/kg	11.1	2.8	1		11/22/13 03:22	74-83-9	
2-Butanone (MEK)	ND	ug/kg	111	3.2	1		11/22/13 03:22	78-93-3	
Carbon disulfide	ND	ug/kg	11.1	3.3	1		11/22/13 03:22	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.6	2.9	1		11/22/13 03:22	56-23-5	
Chlorobenzene	ND	ug/kg	5.6	2.1	1		11/22/13 03:22	108-90-7	
Chloroethane	ND	ug/kg	11.1	2.7	1		11/22/13 03:22	75-00-3	
Chloroform	ND	ug/kg	5.6	1.8	1		11/22/13 03:22	67-66-3	
Chloromethane	ND	ug/kg	11.1	2.7	1		11/22/13 03:22	74-87-3	
Cyclohexane	ND	ug/kg	5.6	1.8	1		11/22/13 03:22	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.6	4.0	1		11/22/13 03:22	96-12-8	
Dibromochloromethane	ND	ug/kg	5.6	2.0	1		11/22/13 03:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.6	2.0	1		11/22/13 03:22	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.6	2.1	1		11/22/13 03:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.6	2.2	1		11/22/13 03:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.6	1.9	1		11/22/13 03:22	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.1	4.0	1		11/22/13 03:22	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.6	1.7	1		11/22/13 03:22	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.6	2.4	1		11/22/13 03:22	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.6	2.0	1		11/22/13 03:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.6	1.6	1		11/22/13 03:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.6	2.1	1		11/22/13 03:22	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.6	1.9	1		11/22/13 03:22	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.6	2.0	1		11/22/13 03:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.6	1.7	1		11/22/13 03:22	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	167	133	1		11/22/13 03:22	123-91-1	
Ethylbenzene	ND	ug/kg	5.6	2.0	1		11/22/13 03:22	100-41-4	
2-Hexanone	ND	ug/kg	55.6	4.3	1		11/22/13 03:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.6	2.1	1		11/22/13 03:22	98-82-8	
Methyl acetate	ND	ug/kg	11.1	1.6	1		11/22/13 03:22	79-20-9	
Methylcyclohexane	ND	ug/kg	11.1	1.7	1		11/22/13 03:22	108-87-2	
Methylene Chloride	ND	ug/kg	22.2	3.3	1		11/22/13 03:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	55.6	4.1	1		11/22/13 03:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.6	1.7	1		11/22/13 03:22	1634-04-4	
Styrene	ND	ug/kg	5.6	2.0	1		11/22/13 03:22	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	2.1	1		11/22/13 03:22	79-34-5	
Tetrachloroethene	ND	ug/kg	5.6	1.9	1		11/22/13 03:22	127-18-4	
Toluene	ND	ug/kg	5.6	2.0	1		11/22/13 03:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.6	2.4	1		11/22/13 03:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	1.8	1		11/22/13 03:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.6	2.0	1		11/22/13 03:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.6	2.3	1		11/22/13 03:22	79-00-5	
Trichloroethene	ND	ug/kg	5.6	2.3	1		11/22/13 03:22	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.6	2.4	1		11/22/13 03:22	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.6	2.1	1		11/22/13 03:22	76-13-1	
Vinyl chloride	ND	ug/kg	11.1	2.0	1		11/22/13 03:22	75-01-4	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-24-8-9 **Lab ID: 92180022004** Collected: 11/18/13 10:45 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
m&p-Xylene	ND	ug/kg	11.1	4.0	1		11/22/13 03:22	179601-23-1	
o-Xylene	ND	ug/kg	5.6	2.1	1		11/22/13 03:22	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		11/22/13 03:22	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		11/22/13 03:22	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-132		1		11/22/13 03:22	17060-07-0	
Tentatively Identified Compounds									
Unknown Amine	**6.4**	ug/kg			1		11/22/13 03:22		N
Unknown	**6.5**	ug/kg			1		11/22/13 03:22		N
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.6**	%	0.10	0.10	1		11/22/13 14:25		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-24-14-15 **Lab ID: 92180022005** Collected: 11/18/13 11:05 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	387	199	1	11/20/13 09:55	11/23/13 15:51	98-86-2	
Atrazine	ND	ug/kg	774	152	1	11/20/13 09:55	11/23/13 15:51	1912-24-9	
Benzaldehyde	ND	ug/kg	774	387	1	11/20/13 09:55	11/23/13 15:51	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	387	122	1	11/20/13 09:55	11/23/13 15:51	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	387	70.3	1	11/20/13 09:55	11/23/13 15:51	101-55-3	
Butylbenzylphthalate	ND	ug/kg	387	82.1	1	11/20/13 09:55	11/23/13 15:51	85-68-7	
Caprolactam	ND	ug/kg	387	66.8	1	11/20/13 09:55	11/23/13 15:51	105-60-2	
Carbazole	ND	ug/kg	387	73.9	1	11/20/13 09:55	11/23/13 15:51	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	774	79.7	1	11/20/13 09:55	11/23/13 15:51	59-50-7	
4-Chloroaniline	ND	ug/kg	1930	108	1	11/20/13 09:55	11/23/13 15:51	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	387	90.3	1	11/20/13 09:55	11/23/13 15:51	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	387	98.5	1	11/20/13 09:55	11/23/13 15:51	111-44-4	
2-Chloronaphthalene	ND	ug/kg	387	76.2	1	11/20/13 09:55	11/23/13 15:51	91-58-7	
2-Chlorophenol	ND	ug/kg	387	106	1	11/20/13 09:55	11/23/13 15:51	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	387	79.7	1	11/20/13 09:55	11/23/13 15:51	7005-72-3	
Dibenzofuran	ND	ug/kg	387	63.3	1	11/20/13 09:55	11/23/13 15:51	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1930	84.4	1	11/20/13 09:55	11/23/13 15:51	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	387	84.4	1	11/20/13 09:55	11/23/13 15:51	120-83-2	
Diethylphthalate	ND	ug/kg	387	59.8	1	11/20/13 09:55	11/23/13 15:51	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	387	152	1	11/20/13 09:55	11/23/13 15:51	105-67-9	
Dimethylphthalate	ND	ug/kg	387	78.5	1	11/20/13 09:55	11/23/13 15:51	131-11-3	
Di-n-butylphthalate	ND	ug/kg	387	63.3	1	11/20/13 09:55	11/23/13 15:51	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	774	77.4	1	11/20/13 09:55	11/23/13 15:51	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1930	63.3	1	11/20/13 09:55	11/23/13 15:51	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	387	72.7	1	11/20/13 09:55	11/23/13 15:51	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	387	80.9	1	11/20/13 09:55	11/23/13 15:51	606-20-2	
Di-n-octylphthalate	ND	ug/kg	387	80.9	1	11/20/13 09:55	11/23/13 15:51	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	387	106	1	11/20/13 09:55	11/23/13 15:51	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	387	66.8	1	11/20/13 09:55	11/23/13 15:51	87-68-3	
Hexachlorobenzene	ND	ug/kg	387	49.2	1	11/20/13 09:55	11/23/13 15:51	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	387	71.5	1	11/20/13 09:55	11/23/13 15:51	77-47-4	
Hexachloroethane	ND	ug/kg	387	102	1	11/20/13 09:55	11/23/13 15:51	67-72-1	
Isophorone	ND	ug/kg	387	86.8	1	11/20/13 09:55	11/23/13 15:51	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	387	117	1	11/20/13 09:55	11/23/13 15:51	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	387	152	1	11/20/13 09:55	11/23/13 15:51		
2-Nitroaniline	ND	ug/kg	1930	120	1	11/20/13 09:55	11/23/13 15:51	88-74-4	
3-Nitroaniline	ND	ug/kg	1930	106	1	11/20/13 09:55	11/23/13 15:51	99-09-2	
4-Nitroaniline	ND	ug/kg	774	109	1	11/20/13 09:55	11/23/13 15:51	100-01-6	
Nitrobenzene	ND	ug/kg	387	106	1	11/20/13 09:55	11/23/13 15:51	98-95-3	
2-Nitrophenol	ND	ug/kg	387	93.8	1	11/20/13 09:55	11/23/13 15:51	88-75-5	
4-Nitrophenol	ND	ug/kg	1930	69.2	1	11/20/13 09:55	11/23/13 15:51	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	387	73.9	1	11/20/13 09:55	11/23/13 15:51	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	387	115	1	11/20/13 09:55	11/23/13 15:51	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	387	103	1	11/20/13 09:55	11/23/13 15:51	108-60-1	
Pentachlorophenol	ND	ug/kg	1930	70.3	1	11/20/13 09:55	11/23/13 15:51	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-24-14-15 **Lab ID: 92180022005** Collected: 11/18/13 11:05 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	387	116	1	11/20/13 09:55	11/23/13 15:51	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	387	141	1	11/20/13 09:55	11/23/13 15:51	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	387	152	1	11/20/13 09:55	11/23/13 15:51	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	387	120	1	11/20/13 09:55	11/23/13 15:51	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	387	85.6	1	11/20/13 09:55	11/23/13 15:51	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	51	%	30-110		1	11/20/13 09:55	11/23/13 15:51	321-60-8	
Terphenyl-d14 (S)	62	%	28-110		1	11/20/13 09:55	11/23/13 15:51	1718-51-0	
Phenol-d6 (S)	49	%	22-110		1	11/20/13 09:55	11/23/13 15:51	13127-88-3	
2-Fluorophenol (S)	46	%	13-110		1	11/20/13 09:55	11/23/13 15:51	367-12-4	
2,4,6-Tribromophenol (S)	95	%	27-110		1	11/20/13 09:55	11/23/13 15:51	118-79-6	
Nitrobenzene-d5 (S)	71	%	23-110		1	11/20/13 09:55	11/23/13 15:51	4165-60-0	
Tentatively Identified Compounds									
Unknown	**1570**	ug/kg			1	11/20/13 09:55	11/23/13 15:51		N
Unknown	**3140**	ug/kg			1	11/20/13 09:55	11/23/13 15:51		N
Unknown	**1410**	ug/kg			1	11/20/13 09:55	11/23/13 15:51		N
Tridecane	**9650**	ug/kg			1	11/20/13 09:55	11/23/13 15:51	629-50-5	N
Unknown	**1670**	ug/kg			1	11/20/13 09:55	11/23/13 15:51		N
Heptadecane	**1750**	ug/kg			1	11/20/13 09:55	11/23/13 15:51	629-78-7	N
Unknown	**791**	ug/kg			1	11/20/13 09:55	11/23/13 15:51		N
Heptadecane	**903**	ug/kg			1	11/20/13 09:55	11/23/13 15:51	629-78-7	N
Docosane	**373**	ug/kg			1	11/20/13 09:55	11/23/13 15:51	629-97-0	N
Tetracosane	**756**	ug/kg			1	11/20/13 09:55	11/23/13 15:51	646-31-1	N
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**841**	ug/kg	234	35.2	20	11/20/13 09:00	11/20/13 19:00	83-32-9	
Acenaphthylene	ND	ug/kg	234	30.5	20	11/20/13 09:00	11/20/13 19:00	208-96-8	
Anthracene	**350**	ug/kg	234	32.8	20	11/20/13 09:00	11/20/13 19:00	120-12-7	
Benzo(a)anthracene	ND	ug/kg	234	16.6	20	11/20/13 09:00	11/20/13 19:00	56-55-3	
Benzo(a)pyrene	ND	ug/kg	234	25.8	20	11/20/13 09:00	11/20/13 19:00	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	234	15.7	20	11/20/13 09:00	11/20/13 19:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	234	61.0	20	11/20/13 09:00	11/20/13 19:00	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	234	35.2	20	11/20/13 09:00	11/20/13 19:00	207-08-9	
Chrysene	ND	ug/kg	234	42.2	20	11/20/13 09:00	11/20/13 19:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	234	42.2	20	11/20/13 09:00	11/20/13 19:00	53-70-3	
Fluoranthene	ND	ug/kg	234	19.5	20	11/20/13 09:00	11/20/13 19:00	206-44-0	
Fluorene	**663**	ug/kg	234	37.5	20	11/20/13 09:00	11/20/13 19:00	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	234	65.7	20	11/20/13 09:00	11/20/13 19:00	193-39-5	
1-Methylnaphthalene	**2980**	ug/kg	234	28.1	20	11/20/13 09:00	11/20/13 19:00	90-12-0	
2-Methylnaphthalene	**1050**	ug/kg	234	25.8	20	11/20/13 09:00	11/20/13 19:00	91-57-6	
Naphthalene	ND	ug/kg	234	53.9	20	11/20/13 09:00	11/20/13 19:00	91-20-3	
Phenanthrene	**806**	ug/kg	234	35.2	20	11/20/13 09:00	11/20/13 19:00	85-01-8	
Pyrene	**565**	ug/kg	234	42.2	20	11/20/13 09:00	11/20/13 19:00	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	0	%	10-128		20	11/20/13 09:00	11/20/13 19:00	4165-60-0	D3,S4

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-24-14-15 **Lab ID: 92180022005** Collected: 11/18/13 11:05 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Surrogates									
2-Fluorobiphenyl (S)	0	%	10-110		20	11/20/13 09:00	11/20/13 19:00	321-60-8	
Terphenyl-d14 (S)	0	%	39-119		20	11/20/13 09:00	11/20/13 19:00	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**41.9J**	ug/kg	109	10.9	1		11/22/13 03:42	67-64-1	
Benzene	**6.7**	ug/kg	5.4	1.7	1		11/22/13 03:42	71-43-2	
Bromochloromethane	ND	ug/kg	5.4	1.8	1		11/22/13 03:42	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	2.1	1		11/22/13 03:42	75-27-4	
Bromoform	ND	ug/kg	5.4	2.5	1		11/22/13 03:42	75-25-2	
Bromomethane	ND	ug/kg	10.9	2.7	1		11/22/13 03:42	74-83-9	
2-Butanone (MEK)	ND	ug/kg	109	3.1	1		11/22/13 03:42	78-93-3	
Carbon disulfide	ND	ug/kg	10.9	3.3	1		11/22/13 03:42	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.4	2.8	1		11/22/13 03:42	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	2.1	1		11/22/13 03:42	108-90-7	
Chloroethane	ND	ug/kg	10.9	2.6	1		11/22/13 03:42	75-00-3	
Chloroform	ND	ug/kg	5.4	1.7	1		11/22/13 03:42	67-66-3	
Chloromethane	ND	ug/kg	10.9	2.6	1		11/22/13 03:42	74-87-3	
Cyclohexane	**26.4**	ug/kg	5.4	1.7	1		11/22/13 03:42	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.4	3.9	1		11/22/13 03:42	96-12-8	
Dibromochloromethane	ND	ug/kg	5.4	2.0	1		11/22/13 03:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	2.0	1		11/22/13 03:42	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.4	2.1	1		11/22/13 03:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	2.2	1		11/22/13 03:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	1.8	1		11/22/13 03:42	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.9	3.9	1		11/22/13 03:42	75-71-8	IO
1,1-Dichloroethane	ND	ug/kg	5.4	1.6	1		11/22/13 03:42	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	2.4	1		11/22/13 03:42	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.4	2.0	1		11/22/13 03:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1.5	1		11/22/13 03:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	2.1	1		11/22/13 03:42	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1.8	1		11/22/13 03:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	2.0	1		11/22/13 03:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1.6	1		11/22/13 03:42	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	163	130	1		11/22/13 03:42	123-91-1	
Ethylbenzene	**59.1**	ug/kg	5.4	2.0	1		11/22/13 03:42	100-41-4	
2-Hexanone	ND	ug/kg	54.3	4.2	1		11/22/13 03:42	591-78-6	
Isopropylbenzene (Cumene)	**53.1**	ug/kg	5.4	2.1	1		11/22/13 03:42	98-82-8	
Methyl acetate	ND	ug/kg	10.9	1.5	1		11/22/13 03:42	79-20-9	
Methylcyclohexane	ND	ug/kg	10.9	1.6	1		11/22/13 03:42	108-87-2	
Methylene Chloride	**5.3J**	ug/kg	21.7	3.3	1		11/22/13 03:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	54.3	4.0	1		11/22/13 03:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	1.6	1		11/22/13 03:42	1634-04-4	
Styrene	ND	ug/kg	5.4	2.0	1		11/22/13 03:42	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	2.1	1		11/22/13 03:42	79-34-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-24-14-15 **Lab ID: 92180022005** Collected: 11/18/13 11:05 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Tetrachloroethene	**4.4J**	ug/kg	5.4	1.8	1		11/22/13 03:42	127-18-4	
Toluene	**32.5**	ug/kg	5.4	2.0	1		11/22/13 03:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	2.4	1		11/22/13 03:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1.7	1		11/22/13 03:42	120-82-1	
1,1,1-Trichloroethane	**51.0**	ug/kg	5.4	2.0	1		11/22/13 03:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	2.3	1		11/22/13 03:42	79-00-5	
Trichloroethene	**6870**	ug/kg	614	258	100		11/22/13 15:02	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.4	2.4	1		11/22/13 03:42	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.4	2.1	1		11/22/13 03:42	76-13-1	
Vinyl chloride	ND	ug/kg	10.9	2.0	1		11/22/13 03:42	75-01-4	
m&p-Xylene	**43.9**	ug/kg	10.9	3.9	1		11/22/13 03:42	179601-23-1	
o-Xylene	**1790**	ug/kg	614	233	100		11/22/13 15:02	95-47-6	
Surrogates									
Toluene-d8 (S)	96	%	70-130		1		11/22/13 03:42	2037-26-5	
4-Bromofluorobenzene (S)	68	%	70-130		1		11/22/13 03:42	460-00-4	S2
1,2-Dichloroethane-d4 (S)	171	%	70-132		1		11/22/13 03:42	17060-07-0	S2
Tentatively Identified Compounds									
Unknown Alkane	**52.5**	ug/kg			1		11/22/13 03:42		N
Unknown Alkane	**86.6**	ug/kg			1		11/22/13 03:42		N
Decane, 4-methyl-	**131**	ug/kg			1		11/22/13 03:42	2847-72-5	N
Benzene, 1-ethyl-3-methy	**140**	ug/kg			1		11/22/13 03:42	620-14-4	N
Undecane	**193**	ug/kg			1		11/22/13 03:42	1120-21-4	N
Unknown Alkane	**94.0**	ug/kg			1		11/22/13 03:42		N
Unknown Alkane	**269**	ug/kg			1		11/22/13 03:42		N
Naphthalene, decahydro-2	**108**	ug/kg			1		11/22/13 03:42	2958-76-1	N
Dodecane	**86.1**	ug/kg			1		11/22/13 03:42	112-40-3	N
2,4-Dimethylstyrene	**138**	ug/kg			1		11/22/13 03:42	2234-20-0	N
Unknown Cycloalkane	**83.2**	ug/kg			1		11/22/13 03:42		N
Unknown Alkane	**90.0**	ug/kg			1		11/22/13 03:42		N
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.7**	%	0.10	0.10	1		11/22/13 14:25		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-04-3-4 **Lab ID: 92180022006** Collected: 11/18/13 11:25 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	368	190	1	11/20/13 09:55	11/23/13 16:22	98-86-2	
Atrazine	ND	ug/kg	736	145	1	11/20/13 09:55	11/23/13 16:22	1912-24-9	
Benzaldehyde	ND	ug/kg	736	368	1	11/20/13 09:55	11/23/13 16:22	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	368	116	1	11/20/13 09:55	11/23/13 16:22	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	368	66.9	1	11/20/13 09:55	11/23/13 16:22	101-55-3	
Butylbenzylphthalate	ND	ug/kg	368	78.1	1	11/20/13 09:55	11/23/13 16:22	85-68-7	
Caprolactam	ND	ug/kg	368	63.6	1	11/20/13 09:55	11/23/13 16:22	105-60-2	
Carbazole	ND	ug/kg	368	70.3	1	11/20/13 09:55	11/23/13 16:22	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	736	75.9	1	11/20/13 09:55	11/23/13 16:22	59-50-7	
4-Chloroaniline	ND	ug/kg	1840	103	1	11/20/13 09:55	11/23/13 16:22	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	368	85.9	1	11/20/13 09:55	11/23/13 16:22	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	368	93.7	1	11/20/13 09:55	11/23/13 16:22	111-44-4	
2-Chloronaphthalene	ND	ug/kg	368	72.5	1	11/20/13 09:55	11/23/13 16:22	91-58-7	
2-Chlorophenol	ND	ug/kg	368	100	1	11/20/13 09:55	11/23/13 16:22	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	368	75.9	1	11/20/13 09:55	11/23/13 16:22	7005-72-3	
Dibenzofuran	ND	ug/kg	368	60.3	1	11/20/13 09:55	11/23/13 16:22	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1840	80.3	1	11/20/13 09:55	11/23/13 16:22	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	368	80.3	1	11/20/13 09:55	11/23/13 16:22	120-83-2	
Diethylphthalate	ND	ug/kg	368	56.9	1	11/20/13 09:55	11/23/13 16:22	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	368	145	1	11/20/13 09:55	11/23/13 16:22	105-67-9	
Dimethylphthalate	ND	ug/kg	368	74.8	1	11/20/13 09:55	11/23/13 16:22	131-11-3	
Di-n-butylphthalate	ND	ug/kg	368	60.3	1	11/20/13 09:55	11/23/13 16:22	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	736	73.6	1	11/20/13 09:55	11/23/13 16:22	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1840	60.3	1	11/20/13 09:55	11/23/13 16:22	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	368	69.2	1	11/20/13 09:55	11/23/13 16:22	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	368	77.0	1	11/20/13 09:55	11/23/13 16:22	606-20-2	
Di-n-octylphthalate	ND	ug/kg	368	77.0	1	11/20/13 09:55	11/23/13 16:22	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	368	100	1	11/20/13 09:55	11/23/13 16:22	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	368	63.6	1	11/20/13 09:55	11/23/13 16:22	87-68-3	
Hexachlorobenzene	ND	ug/kg	368	46.9	1	11/20/13 09:55	11/23/13 16:22	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	368	68.1	1	11/20/13 09:55	11/23/13 16:22	77-47-4	
Hexachloroethane	ND	ug/kg	368	97.1	1	11/20/13 09:55	11/23/13 16:22	67-72-1	
Isophorone	ND	ug/kg	368	82.6	1	11/20/13 09:55	11/23/13 16:22	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	368	112	1	11/20/13 09:55	11/23/13 16:22	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	368	145	1	11/20/13 09:55	11/23/13 16:22		
2-Nitroaniline	ND	ug/kg	1840	114	1	11/20/13 09:55	11/23/13 16:22	88-74-4	
3-Nitroaniline	ND	ug/kg	1840	100	1	11/20/13 09:55	11/23/13 16:22	99-09-2	
4-Nitroaniline	ND	ug/kg	736	104	1	11/20/13 09:55	11/23/13 16:22	100-01-6	
Nitrobenzene	ND	ug/kg	368	100	1	11/20/13 09:55	11/23/13 16:22	98-95-3	
2-Nitrophenol	ND	ug/kg	368	89.3	1	11/20/13 09:55	11/23/13 16:22	88-75-5	
4-Nitrophenol	ND	ug/kg	1840	65.8	1	11/20/13 09:55	11/23/13 16:22	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	368	70.3	1	11/20/13 09:55	11/23/13 16:22	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	368	109	1	11/20/13 09:55	11/23/13 16:22	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	368	98.2	1	11/20/13 09:55	11/23/13 16:22	108-60-1	
Pentachlorophenol	ND	ug/kg	1840	66.9	1	11/20/13 09:55	11/23/13 16:22	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-04-3-4 **Lab ID: 92180022006** Collected: 11/18/13 11:25 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	368	110	1	11/20/13 09:55	11/23/13 16:22	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	368	134	1	11/20/13 09:55	11/23/13 16:22	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	368	145	1	11/20/13 09:55	11/23/13 16:22	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	368	114	1	11/20/13 09:55	11/23/13 16:22	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	368	81.5	1	11/20/13 09:55	11/23/13 16:22	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	48	%	30-110		1	11/20/13 09:55	11/23/13 16:22	321-60-8	
Terphenyl-d14 (S)	56	%	28-110		1	11/20/13 09:55	11/23/13 16:22	1718-51-0	
Phenol-d6 (S)	46	%	22-110		1	11/20/13 09:55	11/23/13 16:22	13127-88-3	
2-Fluorophenol (S)	48	%	13-110		1	11/20/13 09:55	11/23/13 16:22	367-12-4	
2,4,6-Tribromophenol (S)	63	%	27-110		1	11/20/13 09:55	11/23/13 16:22	118-79-6	
Nitrobenzene-d5 (S)	45	%	23-110		1	11/20/13 09:55	11/23/13 16:22	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.2	1.7	1	11/20/13 09:00	11/20/13 15:19	83-32-9	
Acenaphthylene	ND	ug/kg	11.2	1.5	1	11/20/13 09:00	11/20/13 15:19	208-96-8	
Anthracene	ND	ug/kg	11.2	1.6	1	11/20/13 09:00	11/20/13 15:19	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.2	0.79	1	11/20/13 09:00	11/20/13 15:19	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.2	1.2	1	11/20/13 09:00	11/20/13 15:19	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.2	0.75	1	11/20/13 09:00	11/20/13 15:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.2	2.9	1	11/20/13 09:00	11/20/13 15:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.2	1.7	1	11/20/13 09:00	11/20/13 15:19	207-08-9	
Chrysene	ND	ug/kg	11.2	2.0	1	11/20/13 09:00	11/20/13 15:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.2	2.0	1	11/20/13 09:00	11/20/13 15:19	53-70-3	
Fluoranthene	ND	ug/kg	11.2	0.93	1	11/20/13 09:00	11/20/13 15:19	206-44-0	
Fluorene	ND	ug/kg	11.2	1.8	1	11/20/13 09:00	11/20/13 15:19	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.2	3.1	1	11/20/13 09:00	11/20/13 15:19	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.2	1.3	1	11/20/13 09:00	11/20/13 15:19	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.2	1.2	1	11/20/13 09:00	11/20/13 15:19	91-57-6	
Naphthalene	ND	ug/kg	11.2	2.6	1	11/20/13 09:00	11/20/13 15:19	91-20-3	
Phenanthrene	ND	ug/kg	11.2	1.7	1	11/20/13 09:00	11/20/13 15:19	85-01-8	
Pyrene	ND	ug/kg	11.2	2.0	1	11/20/13 09:00	11/20/13 15:19	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	33	%	10-128		1	11/20/13 09:00	11/20/13 15:19	4165-60-0	
2-Fluorobiphenyl (S)	33	%	10-110		1	11/20/13 09:00	11/20/13 15:19	321-60-8	
Terphenyl-d14 (S)	62	%	39-119		1	11/20/13 09:00	11/20/13 15:19	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**124**	ug/kg	104	10.4	1		11/22/13 04:02	67-64-1	A+
Benzene	ND	ug/kg	5.2	1.7	1		11/22/13 04:02	71-43-2	
Bromochloromethane	ND	ug/kg	5.2	1.8	1		11/22/13 04:02	74-97-5	
Bromodichloromethane	ND	ug/kg	5.2	2.0	1		11/22/13 04:02	75-27-4	
Bromoform	ND	ug/kg	5.2	2.4	1		11/22/13 04:02	75-25-2	
Bromomethane	ND	ug/kg	10.4	2.6	1		11/22/13 04:02	74-83-9	
2-Butanone (MEK)	**21.4J**	ug/kg	104	3.0	1		11/22/13 04:02	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-04-3-4 **Lab ID: 92180022006** Collected: 11/18/13 11:25 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.4	3.1	1		11/22/13 04:02	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.2	2.7	1		11/22/13 04:02	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	2.0	1		11/22/13 04:02	108-90-7	
Chloroethane	ND	ug/kg	10.4	2.5	1		11/22/13 04:02	75-00-3	
Chloroform	ND	ug/kg	5.2	1.7	1		11/22/13 04:02	67-66-3	
Chloromethane	ND	ug/kg	10.4	2.5	1		11/22/13 04:02	74-87-3	
Cyclohexane	ND	ug/kg	5.2	1.7	1		11/22/13 04:02	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.2	3.7	1		11/22/13 04:02	96-12-8	
Dibromochloromethane	ND	ug/kg	5.2	1.9	1		11/22/13 04:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1.9	1		11/22/13 04:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.2	2.0	1		11/22/13 04:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	2.1	1		11/22/13 04:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1.8	1		11/22/13 04:02	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.4	3.7	1		11/22/13 04:02	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1.6	1		11/22/13 04:02	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	2.3	1		11/22/13 04:02	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.2	1.9	1		11/22/13 04:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1.5	1		11/22/13 04:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	2.0	1		11/22/13 04:02	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1.8	1		11/22/13 04:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1.9	1		11/22/13 04:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1.6	1		11/22/13 04:02	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	156	124	1		11/22/13 04:02	123-91-1	
Ethylbenzene	ND	ug/kg	5.2	1.9	1		11/22/13 04:02	100-41-4	
2-Hexanone	**6.9J**	ug/kg	51.8	4.0	1		11/22/13 04:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	2.0	1		11/22/13 04:02	98-82-8	
Methyl acetate	ND	ug/kg	10.4	1.5	1		11/22/13 04:02	79-20-9	
Methylcyclohexane	ND	ug/kg	10.4	1.6	1		11/22/13 04:02	108-87-2	
Methylene Chloride	ND	ug/kg	20.7	3.1	1		11/22/13 04:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	51.8	3.8	1		11/22/13 04:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1.6	1		11/22/13 04:02	1634-04-4	
Styrene	ND	ug/kg	5.2	1.9	1		11/22/13 04:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	2.0	1		11/22/13 04:02	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1.8	1		11/22/13 04:02	127-18-4	
Toluene	ND	ug/kg	5.2	1.9	1		11/22/13 04:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	2.3	1		11/22/13 04:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1.7	1		11/22/13 04:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1.9	1		11/22/13 04:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	2.2	1		11/22/13 04:02	79-00-5	
Trichloroethene	**3.3J**	ug/kg	5.2	2.2	1		11/22/13 04:02	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	2.3	1		11/22/13 04:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.2	2.0	1		11/22/13 04:02	76-13-1	
Vinyl chloride	ND	ug/kg	10.4	1.9	1		11/22/13 04:02	75-01-4	
m&p-Xylene	ND	ug/kg	10.4	3.7	1		11/22/13 04:02	179601-23-1	
o-Xylene	ND	ug/kg	5.2	2.0	1		11/22/13 04:02	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-04-3-4 **Lab ID: 92180022006** Collected: 11/18/13 11:25 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		11/22/13 04:02	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		11/22/13 04:02	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-132		1		11/22/13 04:02	17060-07-0	
Tentatively Identified Compounds									
Unknown Alkane	**17.5**	ug/kg			1		11/22/13 04:02		N
Unknown	**23.7**	ug/kg			1		11/22/13 04:02		N
Benzene, 2-ethyl-1,3-dim	**9.4**	ug/kg			1		11/22/13 04:02	2870-04-4	N
Dodecane	**13.9**	ug/kg			1		11/22/13 04:02	112-40-3	N
Dodecane, 6-methyl-	**17.4**	ug/kg			1		11/22/13 04:02	6044-71-9	N
Unknown Cycloalkane	**17.8**	ug/kg			1		11/22/13 04:02		N
Octane, 2,3,7-trimethyl-	**9.0**	ug/kg			1		11/22/13 04:02	62016-34-6	N
Tridecane	**16.8**	ug/kg			1		11/22/13 04:02	629-50-5	N
Unknown Alkane	**11.2**	ug/kg			1		11/22/13 04:02		N
Unknown C17 or larger Al	**11.7**	ug/kg			1		11/22/13 04:02		N
Tetradecane	**11.1**	ug/kg			1		11/22/13 04:02	629-59-4	N
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.4**	%	0.10	0.10	1		11/22/13 14:25		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-04-6-7 **Lab ID: 92180022007** Collected: 11/18/13 11:40 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	361	186	1	11/20/13 09:55	11/23/13 16:54	98-86-2	
Atrazine	ND	ug/kg	722	142	1	11/20/13 09:55	11/23/13 16:54	1912-24-9	
Benzaldehyde	ND	ug/kg	722	361	1	11/20/13 09:55	11/23/13 16:54	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	361	114	1	11/20/13 09:55	11/23/13 16:54	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	361	65.6	1	11/20/13 09:55	11/23/13 16:54	101-55-3	
Butylbenzylphthalate	ND	ug/kg	361	76.5	1	11/20/13 09:55	11/23/13 16:54	85-68-7	
Caprolactam	ND	ug/kg	361	62.3	1	11/20/13 09:55	11/23/13 16:54	105-60-2	
Carbazole	ND	ug/kg	361	68.9	1	11/20/13 09:55	11/23/13 16:54	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	722	74.4	1	11/20/13 09:55	11/23/13 16:54	59-50-7	
4-Chloroaniline	ND	ug/kg	1800	101	1	11/20/13 09:55	11/23/13 16:54	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	361	84.2	1	11/20/13 09:55	11/23/13 16:54	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	361	91.8	1	11/20/13 09:55	11/23/13 16:54	111-44-4	
2-Chloronaphthalene	ND	ug/kg	361	71.1	1	11/20/13 09:55	11/23/13 16:54	91-58-7	
2-Chlorophenol	ND	ug/kg	361	98.4	1	11/20/13 09:55	11/23/13 16:54	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	361	74.4	1	11/20/13 09:55	11/23/13 16:54	7005-72-3	
Dibenzofuran	ND	ug/kg	361	59.0	1	11/20/13 09:55	11/23/13 16:54	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1800	78.7	1	11/20/13 09:55	11/23/13 16:54	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	361	78.7	1	11/20/13 09:55	11/23/13 16:54	120-83-2	
Diethylphthalate	ND	ug/kg	361	55.8	1	11/20/13 09:55	11/23/13 16:54	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	361	142	1	11/20/13 09:55	11/23/13 16:54	105-67-9	
Dimethylphthalate	ND	ug/kg	361	73.3	1	11/20/13 09:55	11/23/13 16:54	131-11-3	
Di-n-butylphthalate	ND	ug/kg	361	59.0	1	11/20/13 09:55	11/23/13 16:54	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	722	72.2	1	11/20/13 09:55	11/23/13 16:54	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1800	59.0	1	11/20/13 09:55	11/23/13 16:54	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	361	67.8	1	11/20/13 09:55	11/23/13 16:54	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	361	75.4	1	11/20/13 09:55	11/23/13 16:54	606-20-2	
Di-n-octylphthalate	ND	ug/kg	361	75.4	1	11/20/13 09:55	11/23/13 16:54	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	361	98.4	1	11/20/13 09:55	11/23/13 16:54	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	361	62.3	1	11/20/13 09:55	11/23/13 16:54	87-68-3	
Hexachlorobenzene	ND	ug/kg	361	45.9	1	11/20/13 09:55	11/23/13 16:54	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	361	66.7	1	11/20/13 09:55	11/23/13 16:54	77-47-4	
Hexachloroethane	ND	ug/kg	361	95.1	1	11/20/13 09:55	11/23/13 16:54	67-72-1	
Isophorone	ND	ug/kg	361	80.9	1	11/20/13 09:55	11/23/13 16:54	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	361	109	1	11/20/13 09:55	11/23/13 16:54	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	361	142	1	11/20/13 09:55	11/23/13 16:54		
2-Nitroaniline	ND	ug/kg	1800	112	1	11/20/13 09:55	11/23/13 16:54	88-74-4	
3-Nitroaniline	ND	ug/kg	1800	98.4	1	11/20/13 09:55	11/23/13 16:54	99-09-2	
4-Nitroaniline	ND	ug/kg	722	102	1	11/20/13 09:55	11/23/13 16:54	100-01-6	
Nitrobenzene	ND	ug/kg	361	98.4	1	11/20/13 09:55	11/23/13 16:54	98-95-3	
2-Nitrophenol	ND	ug/kg	361	87.5	1	11/20/13 09:55	11/23/13 16:54	88-75-5	
4-Nitrophenol	ND	ug/kg	1800	64.5	1	11/20/13 09:55	11/23/13 16:54	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	361	68.9	1	11/20/13 09:55	11/23/13 16:54	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	361	107	1	11/20/13 09:55	11/23/13 16:54	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	361	96.2	1	11/20/13 09:55	11/23/13 16:54	108-60-1	
Pentachlorophenol	ND	ug/kg	1800	65.6	1	11/20/13 09:55	11/23/13 16:54	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-04-6-7 **Lab ID: 92180022007** Collected: 11/18/13 11:40 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	361	108	1	11/20/13 09:55	11/23/13 16:54	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	361	131	1	11/20/13 09:55	11/23/13 16:54	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	361	142	1	11/20/13 09:55	11/23/13 16:54	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	361	112	1	11/20/13 09:55	11/23/13 16:54	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	361	79.8	1	11/20/13 09:55	11/23/13 16:54	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	41	%	30-110		1	11/20/13 09:55	11/23/13 16:54	321-60-8	
Terphenyl-d14 (S)	55	%	28-110		1	11/20/13 09:55	11/23/13 16:54	1718-51-0	
Phenol-d6 (S)	38	%	22-110		1	11/20/13 09:55	11/23/13 16:54	13127-88-3	
2-Fluorophenol (S)	40	%	13-110		1	11/20/13 09:55	11/23/13 16:54	367-12-4	
2,4,6-Tribromophenol (S)	59	%	27-110		1	11/20/13 09:55	11/23/13 16:54	118-79-6	
Nitrobenzene-d5 (S)	39	%	23-110		1	11/20/13 09:55	11/23/13 16:54	4165-60-0	
Tentatively Identified Compounds									
Unknown	**225**	ug/kg			1	11/20/13 09:55	11/23/13 16:54		N
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	10.9	1.6	1	11/20/13 09:00	11/20/13 15:39	83-32-9	
Acenaphthylene	ND	ug/kg	10.9	1.4	1	11/20/13 09:00	11/20/13 15:39	208-96-8	
Anthracene	ND	ug/kg	10.9	1.5	1	11/20/13 09:00	11/20/13 15:39	120-12-7	
Benzo(a)anthracene	ND	ug/kg	10.9	0.78	1	11/20/13 09:00	11/20/13 15:39	56-55-3	
Benzo(a)pyrene	ND	ug/kg	10.9	1.2	1	11/20/13 09:00	11/20/13 15:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	10.9	0.73	1	11/20/13 09:00	11/20/13 15:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	10.9	2.8	1	11/20/13 09:00	11/20/13 15:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	10.9	1.6	1	11/20/13 09:00	11/20/13 15:39	207-08-9	
Chrysene	ND	ug/kg	10.9	2.0	1	11/20/13 09:00	11/20/13 15:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	10.9	2.0	1	11/20/13 09:00	11/20/13 15:39	53-70-3	
Fluoranthene	ND	ug/kg	10.9	0.91	1	11/20/13 09:00	11/20/13 15:39	206-44-0	
Fluorene	ND	ug/kg	10.9	1.7	1	11/20/13 09:00	11/20/13 15:39	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	10.9	3.1	1	11/20/13 09:00	11/20/13 15:39	193-39-5	
1-Methylnaphthalene	ND	ug/kg	10.9	1.3	1	11/20/13 09:00	11/20/13 15:39	90-12-0	
2-Methylnaphthalene	ND	ug/kg	10.9	1.2	1	11/20/13 09:00	11/20/13 15:39	91-57-6	
Naphthalene	ND	ug/kg	10.9	2.5	1	11/20/13 09:00	11/20/13 15:39	91-20-3	
Phenanthrene	ND	ug/kg	10.9	1.6	1	11/20/13 09:00	11/20/13 15:39	85-01-8	
Pyrene	ND	ug/kg	10.9	2.0	1	11/20/13 09:00	11/20/13 15:39	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	31	%	10-128		1	11/20/13 09:00	11/20/13 15:39	4165-60-0	
2-Fluorobiphenyl (S)	31	%	10-110		1	11/20/13 09:00	11/20/13 15:39	321-60-8	
Terphenyl-d14 (S)	54	%	39-119		1	11/20/13 09:00	11/20/13 15:39	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**57.7J**	ug/kg	96.6	9.7	1		11/22/13 04:21	67-64-1	
Benzene	ND	ug/kg	4.8	1.5	1		11/22/13 04:21	71-43-2	
Bromochloromethane	ND	ug/kg	4.8	1.6	1		11/22/13 04:21	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1.8	1		11/22/13 04:21	75-27-4	
Bromoform	ND	ug/kg	4.8	2.2	1		11/22/13 04:21	75-25-2	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-04-6-7 **Lab ID: 92180022007** Collected: 11/18/13 11:40 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Bromomethane	ND	ug/kg	9.7	2.4	1		11/22/13 04:21	74-83-9	
2-Butanone (MEK)	ND	ug/kg	96.6	2.8	1		11/22/13 04:21	78-93-3	
Carbon disulfide	ND	ug/kg	9.7	2.9	1		11/22/13 04:21	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.8	2.5	1		11/22/13 04:21	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1.8	1		11/22/13 04:21	108-90-7	
Chloroethane	ND	ug/kg	9.7	2.3	1		11/22/13 04:21	75-00-3	
Chloroform	ND	ug/kg	4.8	1.5	1		11/22/13 04:21	67-66-3	
Chloromethane	ND	ug/kg	9.7	2.3	1		11/22/13 04:21	74-87-3	
Cyclohexane	ND	ug/kg	4.8	1.5	1		11/22/13 04:21	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.8	3.5	1		11/22/13 04:21	96-12-8	
Dibromochloromethane	ND	ug/kg	4.8	1.7	1		11/22/13 04:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1.7	1		11/22/13 04:21	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.8	1.8	1		11/22/13 04:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1.9	1		11/22/13 04:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1.6	1		11/22/13 04:21	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.7	3.5	1		11/22/13 04:21	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1.4	1		11/22/13 04:21	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	2.1	1		11/22/13 04:21	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.8	1.7	1		11/22/13 04:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1.4	1		11/22/13 04:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1.8	1		11/22/13 04:21	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1.6	1		11/22/13 04:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1.7	1		11/22/13 04:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1.4	1		11/22/13 04:21	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	145	116	1		11/22/13 04:21	123-91-1	
Ethylbenzene	ND	ug/kg	4.8	1.7	1		11/22/13 04:21	100-41-4	
2-Hexanone	ND	ug/kg	48.3	3.8	1		11/22/13 04:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1.8	1		11/22/13 04:21	98-82-8	
Methyl acetate	ND	ug/kg	9.7	1.4	1		11/22/13 04:21	79-20-9	
Methylcyclohexane	ND	ug/kg	9.7	1.4	1		11/22/13 04:21	108-87-2	
Methylene Chloride	ND	ug/kg	19.3	2.9	1		11/22/13 04:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.3	3.6	1		11/22/13 04:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1.4	1		11/22/13 04:21	1634-04-4	
Styrene	ND	ug/kg	4.8	1.7	1		11/22/13 04:21	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1.8	1		11/22/13 04:21	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1.6	1		11/22/13 04:21	127-18-4	
Toluene	ND	ug/kg	4.8	1.7	1		11/22/13 04:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	2.1	1		11/22/13 04:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1.5	1		11/22/13 04:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1.7	1		11/22/13 04:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	2.0	1		11/22/13 04:21	79-00-5	
Trichloroethene	ND	ug/kg	4.8	2.0	1		11/22/13 04:21	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	2.1	1		11/22/13 04:21	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.8	1.8	1		11/22/13 04:21	76-13-1	
Vinyl chloride	ND	ug/kg	9.7	1.7	1		11/22/13 04:21	75-01-4	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-04-6-7 **Lab ID: 92180022007** Collected: 11/18/13 11:40 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
m&p-Xylene	ND	ug/kg	9.7	3.5	1		11/22/13 04:21	179601-23-1	
o-Xylene	ND	ug/kg	4.8	1.8	1		11/22/13 04:21	95-47-6	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		11/22/13 04:21	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		11/22/13 04:21	460-00-4	
1,2-Dichloroethane-d4 (S)	124	%	70-132		1		11/22/13 04:21	17060-07-0	
Tentatively Identified Compounds									
Unknown Amine	**6.3**	ug/kg			1		11/22/13 04:21		N
Unknown Alkane	**11.3**	ug/kg			1		11/22/13 04:21		N
Unknown	**4.9**	ug/kg			1		11/22/13 04:21		N
Unknown Alkane	**8.7**	ug/kg			1		11/22/13 04:21		N
Benzene, 1,4-bis(1,1-dim	**9.3**	ug/kg			1		11/22/13 04:21	1012-72-2	N
Hexadecane, 2,6,10,14-te	**8.4**	ug/kg			1		11/22/13 04:21	638-36-8	N
Unknown Alkane	**8.8**	ug/kg			1		11/22/13 04:21		N
Tetradecane	**9.4**	ug/kg			1		11/22/13 04:21	629-59-4	N
Pentadecane	**6.4**	ug/kg			1		11/22/13 04:21	629-62-9	N
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.5**	%	0.10	0.10	1		11/22/13 14:25		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-04-11-12 **Lab ID: 92180022008** Collected: 11/18/13 11:50 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	379	195	1	11/20/13 09:55	11/23/13 17:26	98-86-2	
Atrazine	ND	ug/kg	759	149	1	11/20/13 09:55	11/23/13 17:26	1912-24-9	
Benzaldehyde	ND	ug/kg	759	379	1	11/20/13 09:55	11/23/13 17:26	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	379	120	1	11/20/13 09:55	11/23/13 17:26	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	379	69.0	1	11/20/13 09:55	11/23/13 17:26	101-55-3	
Butylbenzylphthalate	ND	ug/kg	379	80.5	1	11/20/13 09:55	11/23/13 17:26	85-68-7	
Caprolactam	ND	ug/kg	379	65.5	1	11/20/13 09:55	11/23/13 17:26	105-60-2	
Carbazole	ND	ug/kg	379	72.4	1	11/20/13 09:55	11/23/13 17:26	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	759	78.2	1	11/20/13 09:55	11/23/13 17:26	59-50-7	
4-Chloroaniline	ND	ug/kg	1900	106	1	11/20/13 09:55	11/23/13 17:26	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	379	88.5	1	11/20/13 09:55	11/23/13 17:26	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	379	96.6	1	11/20/13 09:55	11/23/13 17:26	111-44-4	
2-Chloronaphthalene	ND	ug/kg	379	74.7	1	11/20/13 09:55	11/23/13 17:26	91-58-7	
2-Chlorophenol	ND	ug/kg	379	103	1	11/20/13 09:55	11/23/13 17:26	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	379	78.2	1	11/20/13 09:55	11/23/13 17:26	7005-72-3	
Dibenzofuran	ND	ug/kg	379	62.1	1	11/20/13 09:55	11/23/13 17:26	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1900	82.8	1	11/20/13 09:55	11/23/13 17:26	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	379	82.8	1	11/20/13 09:55	11/23/13 17:26	120-83-2	
Diethylphthalate	ND	ug/kg	379	58.6	1	11/20/13 09:55	11/23/13 17:26	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	379	149	1	11/20/13 09:55	11/23/13 17:26	105-67-9	
Dimethylphthalate	ND	ug/kg	379	77.0	1	11/20/13 09:55	11/23/13 17:26	131-11-3	
Di-n-butylphthalate	ND	ug/kg	379	62.1	1	11/20/13 09:55	11/23/13 17:26	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	759	75.9	1	11/20/13 09:55	11/23/13 17:26	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1900	62.1	1	11/20/13 09:55	11/23/13 17:26	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	379	71.3	1	11/20/13 09:55	11/23/13 17:26	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	379	79.3	1	11/20/13 09:55	11/23/13 17:26	606-20-2	
Di-n-octylphthalate	ND	ug/kg	379	79.3	1	11/20/13 09:55	11/23/13 17:26	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	379	103	1	11/20/13 09:55	11/23/13 17:26	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	379	65.5	1	11/20/13 09:55	11/23/13 17:26	87-68-3	
Hexachlorobenzene	ND	ug/kg	379	48.3	1	11/20/13 09:55	11/23/13 17:26	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	379	70.1	1	11/20/13 09:55	11/23/13 17:26	77-47-4	
Hexachloroethane	ND	ug/kg	379	100	1	11/20/13 09:55	11/23/13 17:26	67-72-1	
Isophorone	ND	ug/kg	379	85.1	1	11/20/13 09:55	11/23/13 17:26	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	379	115	1	11/20/13 09:55	11/23/13 17:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	379	149	1	11/20/13 09:55	11/23/13 17:26		
2-Nitroaniline	ND	ug/kg	1900	117	1	11/20/13 09:55	11/23/13 17:26	88-74-4	
3-Nitroaniline	ND	ug/kg	1900	103	1	11/20/13 09:55	11/23/13 17:26	99-09-2	
4-Nitroaniline	ND	ug/kg	759	107	1	11/20/13 09:55	11/23/13 17:26	100-01-6	
Nitrobenzene	ND	ug/kg	379	103	1	11/20/13 09:55	11/23/13 17:26	98-95-3	
2-Nitrophenol	ND	ug/kg	379	92.0	1	11/20/13 09:55	11/23/13 17:26	88-75-5	
4-Nitrophenol	ND	ug/kg	1900	67.8	1	11/20/13 09:55	11/23/13 17:26	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	379	72.4	1	11/20/13 09:55	11/23/13 17:26	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	379	113	1	11/20/13 09:55	11/23/13 17:26	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	379	101	1	11/20/13 09:55	11/23/13 17:26	108-60-1	
Pentachlorophenol	ND	ug/kg	1900	69.0	1	11/20/13 09:55	11/23/13 17:26	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-04-11-12 **Lab ID: 92180022008** Collected: 11/18/13 11:50 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	379	114	1	11/20/13 09:55	11/23/13 17:26	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	379	138	1	11/20/13 09:55	11/23/13 17:26	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	379	149	1	11/20/13 09:55	11/23/13 17:26	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	379	117	1	11/20/13 09:55	11/23/13 17:26	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	379	83.9	1	11/20/13 09:55	11/23/13 17:26	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	49	%	30-110		1	11/20/13 09:55	11/23/13 17:26	321-60-8	
Terphenyl-d14 (S)	61	%	28-110		1	11/20/13 09:55	11/23/13 17:26	1718-51-0	
Phenol-d6 (S)	42	%	22-110		1	11/20/13 09:55	11/23/13 17:26	13127-88-3	
2-Fluorophenol (S)	46	%	13-110		1	11/20/13 09:55	11/23/13 17:26	367-12-4	
2,4,6-Tribromophenol (S)	68	%	27-110		1	11/20/13 09:55	11/23/13 17:26	118-79-6	
Nitrobenzene-d5 (S)	43	%	23-110		1	11/20/13 09:55	11/23/13 17:26	4165-60-0	
Tentatively Identified Compounds									
Unknown	**600**	ug/kg			1	11/20/13 09:55	11/23/13 17:26		N
Hexadecane, 2,6,10,14-te	**267**	ug/kg			1	11/20/13 09:55	11/23/13 17:26	638-36-8	N
Unknown	**691**	ug/kg			1	11/20/13 09:55	11/23/13 17:26		N
Pentadecane, 2,6,10,14-	**1610**	ug/kg			1	11/20/13 09:55	11/23/13 17:26	1921-70-6	N
Hexadecane, 2,6,10,14-t	**738**	ug/kg			1	11/20/13 09:55	11/23/13 17:26	638-36-8	N
Nonadecane	**1390**	ug/kg			1	11/20/13 09:55	11/23/13 17:26	629-92-5	N
Eicosane	**1060**	ug/kg			1	11/20/13 09:55	11/23/13 17:26	112-95-8	N
Heneicosane	**657**	ug/kg			1	11/20/13 09:55	11/23/13 17:26	629-94-7	N
Docosane	**206**	ug/kg			1	11/20/13 09:55	11/23/13 17:26	629-97-0	N
Hexadecane	**54000**	ug/kg			1	11/20/13 09:55	11/23/13 17:26	544-76-3	N
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.5	1.7	1	11/20/13 09:00	11/20/13 16:00	83-32-9	
Acenaphthylene	ND	ug/kg	11.5	1.5	1	11/20/13 09:00	11/20/13 16:00	208-96-8	
Anthracene	ND	ug/kg	11.5	1.6	1	11/20/13 09:00	11/20/13 16:00	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.5	0.82	1	11/20/13 09:00	11/20/13 16:00	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.5	1.3	1	11/20/13 09:00	11/20/13 16:00	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.5	0.77	1	11/20/13 09:00	11/20/13 16:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.5	3.0	1	11/20/13 09:00	11/20/13 16:00	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.5	1.7	1	11/20/13 09:00	11/20/13 16:00	207-08-9	
Chrysene	ND	ug/kg	11.5	2.1	1	11/20/13 09:00	11/20/13 16:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.5	2.1	1	11/20/13 09:00	11/20/13 16:00	53-70-3	
Fluoranthene	ND	ug/kg	11.5	0.95	1	11/20/13 09:00	11/20/13 16:00	206-44-0	
Fluorene	ND	ug/kg	11.5	1.8	1	11/20/13 09:00	11/20/13 16:00	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.5	3.2	1	11/20/13 09:00	11/20/13 16:00	193-39-5	
1-Methylnaphthalene	**24.6**	ug/kg	11.5	1.4	1	11/20/13 09:00	11/20/13 16:00	90-12-0	
2-Methylnaphthalene	**11.6**	ug/kg	11.5	1.3	1	11/20/13 09:00	11/20/13 16:00	91-57-6	
Naphthalene	ND	ug/kg	11.5	2.6	1	11/20/13 09:00	11/20/13 16:00	91-20-3	
Phenanthrene	**83.8**	ug/kg	11.5	1.7	1	11/20/13 09:00	11/20/13 16:00	85-01-8	
Pyrene	**13.9**	ug/kg	11.5	2.1	1	11/20/13 09:00	11/20/13 16:00	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	60	%	10-128		1	11/20/13 09:00	11/20/13 16:00	4165-60-0	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-04-11-12 **Lab ID: 92180022008** Collected: 11/18/13 11:50 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Surrogates									
2-Fluorobiphenyl (S)	54	%	10-110		1	11/20/13 09:00	11/20/13 16:00	321-60-8	
Terphenyl-d14 (S)	77	%	39-119		1	11/20/13 09:00	11/20/13 16:00	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**33.8J**	ug/kg	103	10.3	1		11/22/13 04:41	67-64-1	
Benzene	ND	ug/kg	5.1	1.6	1		11/22/13 04:41	71-43-2	
Bromochloromethane	ND	ug/kg	5.1	1.7	1		11/22/13 04:41	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	2.0	1		11/22/13 04:41	75-27-4	
Bromoform	ND	ug/kg	5.1	2.4	1		11/22/13 04:41	75-25-2	
Bromomethane	ND	ug/kg	10.3	2.6	1		11/22/13 04:41	74-83-9	
2-Butanone (MEK)	ND	ug/kg	103	3.0	1		11/22/13 04:41	78-93-3	
Carbon disulfide	ND	ug/kg	10.3	3.1	1		11/22/13 04:41	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	2.7	1		11/22/13 04:41	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	2.0	1		11/22/13 04:41	108-90-7	
Chloroethane	ND	ug/kg	10.3	2.5	1		11/22/13 04:41	75-00-3	
Chloroform	ND	ug/kg	5.1	1.6	1		11/22/13 04:41	67-66-3	
Chloromethane	ND	ug/kg	10.3	2.5	1		11/22/13 04:41	74-87-3	
Cyclohexane	ND	ug/kg	5.1	1.6	1		11/22/13 04:41	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	3.7	1		11/22/13 04:41	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1.8	1		11/22/13 04:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1.8	1		11/22/13 04:41	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.1	2.0	1		11/22/13 04:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	2.1	1		11/22/13 04:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1.7	1		11/22/13 04:41	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.3	3.7	1		11/22/13 04:41	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1.5	1		11/22/13 04:41	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	2.3	1		11/22/13 04:41	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1.8	1		11/22/13 04:41	75-35-4	
cis-1,2-Dichloroethene	**3.5J**	ug/kg	5.1	1.4	1		11/22/13 04:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	2.0	1		11/22/13 04:41	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1.7	1		11/22/13 04:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1.8	1		11/22/13 04:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1.5	1		11/22/13 04:41	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	154	123	1		11/22/13 04:41	123-91-1	
Ethylbenzene	ND	ug/kg	5.1	1.8	1		11/22/13 04:41	100-41-4	
2-Hexanone	ND	ug/kg	51.3	4.0	1		11/22/13 04:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	2.0	1		11/22/13 04:41	98-82-8	
Methyl acetate	ND	ug/kg	10.3	1.4	1		11/22/13 04:41	79-20-9	
Methylcyclohexane	ND	ug/kg	10.3	1.5	1		11/22/13 04:41	108-87-2	
Methylene Chloride	ND	ug/kg	20.5	3.1	1		11/22/13 04:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	51.3	3.8	1		11/22/13 04:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1.5	1		11/22/13 04:41	1634-04-4	
Styrene	ND	ug/kg	5.1	1.8	1		11/22/13 04:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	2.0	1		11/22/13 04:41	79-34-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-04-11-12 **Lab ID: 92180022008** Collected: 11/18/13 11:50 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Tetrachloroethene	ND	ug/kg	5.1	1.7	1		11/22/13 04:41	127-18-4	
Toluene	ND	ug/kg	5.1	1.8	1		11/22/13 04:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	2.3	1		11/22/13 04:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1.6	1		11/22/13 04:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1.8	1		11/22/13 04:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	2.2	1		11/22/13 04:41	79-00-5	
Trichloroethene	**146**	ug/kg	5.1	2.2	1		11/22/13 04:41	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	2.3	1		11/22/13 04:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.1	2.0	1		11/22/13 04:41	76-13-1	
Vinyl chloride	ND	ug/kg	10.3	1.8	1		11/22/13 04:41	75-01-4	
m&p-Xylene	ND	ug/kg	10.3	3.7	1		11/22/13 04:41	179601-23-1	
o-Xylene	ND	ug/kg	5.1	2.0	1		11/22/13 04:41	95-47-6	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		11/22/13 04:41	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		11/22/13 04:41	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-132		1		11/22/13 04:41	17060-07-0	
Tentatively Identified Compounds									
Unknown Alkane	**176**	ug/kg			1		11/22/13 04:41		N
Dodecane	**94.8**	ug/kg			1		11/22/13 04:41	112-40-3	N
Undecane, 2,5-dimethyl-	**84.9**	ug/kg			1		11/22/13 04:41	17301-22-3	N
Unknown Alkane	**74.6**	ug/kg			1		11/22/13 04:41		N
Unknown Cycloalkane	**74.5**	ug/kg			1		11/22/13 04:41		N
Unknown Alkane	**138**	ug/kg			1		11/22/13 04:41		N
Tridecane	**140**	ug/kg			1		11/22/13 04:41	629-50-5	N
Unknown Alkane	**46.4**	ug/kg			1		11/22/13 04:41		N
Heptylcyclohexane	**62.5**	ug/kg			1		11/22/13 04:41	5617-41-4	N
Nonane, 3,7-dimethyl-	**51.1**	ug/kg			1		11/22/13 04:41	17302-32-8	N
Tetradecane	**118**	ug/kg			1		11/22/13 04:41	629-59-4	N
Pentadecane	**40.8**	ug/kg			1		11/22/13 04:41	629-62-9	N
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.0**	%	0.10	0.10	1		11/22/13 14:26		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-CSS-SB-206-4-5 **Lab ID: 92180022009** Collected: 11/18/13 13:15 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	440	226	1	11/20/13 09:55	11/23/13 17:57	98-86-2	
Atrazine	ND	ug/kg	879	173	1	11/20/13 09:55	11/23/13 17:57	1912-24-9	
Benzaldehyde	ND	ug/kg	879	440	1	11/20/13 09:55	11/23/13 17:57	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	440	139	1	11/20/13 09:55	11/23/13 17:57	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	440	79.9	1	11/20/13 09:55	11/23/13 17:57	101-55-3	
Butylbenzylphthalate	ND	ug/kg	440	93.3	1	11/20/13 09:55	11/23/13 17:57	85-68-7	
Caprolactam	ND	ug/kg	440	75.9	1	11/20/13 09:55	11/23/13 17:57	105-60-2	
Carbazole	ND	ug/kg	440	83.9	1	11/20/13 09:55	11/23/13 17:57	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	879	90.6	1	11/20/13 09:55	11/23/13 17:57	59-50-7	
4-Chloroaniline	ND	ug/kg	2200	123	1	11/20/13 09:55	11/23/13 17:57	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	440	103	1	11/20/13 09:55	11/23/13 17:57	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	440	112	1	11/20/13 09:55	11/23/13 17:57	111-44-4	
2-Chloronaphthalene	ND	ug/kg	440	86.6	1	11/20/13 09:55	11/23/13 17:57	91-58-7	
2-Chlorophenol	ND	ug/kg	440	120	1	11/20/13 09:55	11/23/13 17:57	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	440	90.6	1	11/20/13 09:55	11/23/13 17:57	7005-72-3	
Dibenzofuran	ND	ug/kg	440	71.9	1	11/20/13 09:55	11/23/13 17:57	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2200	95.9	1	11/20/13 09:55	11/23/13 17:57	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	440	95.9	1	11/20/13 09:55	11/23/13 17:57	120-83-2	
Diethylphthalate	ND	ug/kg	440	67.9	1	11/20/13 09:55	11/23/13 17:57	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	440	173	1	11/20/13 09:55	11/23/13 17:57	105-67-9	
Dimethylphthalate	ND	ug/kg	440	89.3	1	11/20/13 09:55	11/23/13 17:57	131-11-3	
Di-n-butylphthalate	ND	ug/kg	440	71.9	1	11/20/13 09:55	11/23/13 17:57	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	879	87.9	1	11/20/13 09:55	11/23/13 17:57	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2200	71.9	1	11/20/13 09:55	11/23/13 17:57	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	440	82.6	1	11/20/13 09:55	11/23/13 17:57	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	440	91.9	1	11/20/13 09:55	11/23/13 17:57	606-20-2	
Di-n-octylphthalate	ND	ug/kg	440	91.9	1	11/20/13 09:55	11/23/13 17:57	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	440	120	1	11/20/13 09:55	11/23/13 17:57	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	440	75.9	1	11/20/13 09:55	11/23/13 17:57	87-68-3	
Hexachlorobenzene	ND	ug/kg	440	56.0	1	11/20/13 09:55	11/23/13 17:57	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	440	81.3	1	11/20/13 09:55	11/23/13 17:57	77-47-4	
Hexachloroethane	ND	ug/kg	440	116	1	11/20/13 09:55	11/23/13 17:57	67-72-1	
Isophorone	ND	ug/kg	440	98.6	1	11/20/13 09:55	11/23/13 17:57	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	440	133	1	11/20/13 09:55	11/23/13 17:57	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	440	173	1	11/20/13 09:55	11/23/13 17:57		
2-Nitroaniline	ND	ug/kg	2200	136	1	11/20/13 09:55	11/23/13 17:57	88-74-4	
3-Nitroaniline	ND	ug/kg	2200	120	1	11/20/13 09:55	11/23/13 17:57	99-09-2	
4-Nitroaniline	ND	ug/kg	879	124	1	11/20/13 09:55	11/23/13 17:57	100-01-6	
Nitrobenzene	ND	ug/kg	440	120	1	11/20/13 09:55	11/23/13 17:57	98-95-3	
2-Nitrophenol	ND	ug/kg	440	107	1	11/20/13 09:55	11/23/13 17:57	88-75-5	
4-Nitrophenol	ND	ug/kg	2200	78.6	1	11/20/13 09:55	11/23/13 17:57	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	440	83.9	1	11/20/13 09:55	11/23/13 17:57	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	440	131	1	11/20/13 09:55	11/23/13 17:57	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	440	117	1	11/20/13 09:55	11/23/13 17:57	108-60-1	
Pentachlorophenol	ND	ug/kg	2200	79.9	1	11/20/13 09:55	11/23/13 17:57	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-CSS-SB-206-4-5 **Lab ID: 92180022009** Collected: 11/18/13 13:15 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	440	132	1	11/20/13 09:55	11/23/13 17:57	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	440	160	1	11/20/13 09:55	11/23/13 17:57	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	440	173	1	11/20/13 09:55	11/23/13 17:57	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	440	136	1	11/20/13 09:55	11/23/13 17:57	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	440	97.3	1	11/20/13 09:55	11/23/13 17:57	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	29	%	30-110		1	11/20/13 09:55	11/23/13 17:57	321-60-8	S0
Terphenyl-d14 (S)	36	%	28-110		1	11/20/13 09:55	11/23/13 17:57	1718-51-0	
Phenol-d6 (S)	26	%	22-110		1	11/20/13 09:55	11/23/13 17:57	13127-88-3	
2-Fluorophenol (S)	29	%	13-110		1	11/20/13 09:55	11/23/13 17:57	367-12-4	
2,4,6-Tribromophenol (S)	35	%	27-110		1	11/20/13 09:55	11/23/13 17:57	118-79-6	
Nitrobenzene-d5 (S)	28	%	23-110		1	11/20/13 09:55	11/23/13 17:57	4165-60-0	
Tentatively Identified Compounds									
Methylene Chloride	**335**	ug/kg			1	11/20/13 09:55	11/23/13 17:57	75-09-2	N
Unknown	**295**	ug/kg			1	11/20/13 09:55	11/23/13 17:57		N
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	13.3	2.0	1	11/20/13 09:00	11/20/13 16:20	83-32-9	
Acenaphthylene	ND	ug/kg	13.3	1.7	1	11/20/13 09:00	11/20/13 16:20	208-96-8	
Anthracene	ND	ug/kg	13.3	1.9	1	11/20/13 09:00	11/20/13 16:20	120-12-7	
Benzo(a)anthracene	ND	ug/kg	13.3	0.95	1	11/20/13 09:00	11/20/13 16:20	56-55-3	
Benzo(a)pyrene	ND	ug/kg	13.3	1.5	1	11/20/13 09:00	11/20/13 16:20	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	13.3	0.89	1	11/20/13 09:00	11/20/13 16:20	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	13.3	3.5	1	11/20/13 09:00	11/20/13 16:20	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	13.3	2.0	1	11/20/13 09:00	11/20/13 16:20	207-08-9	
Chrysene	ND	ug/kg	13.3	2.4	1	11/20/13 09:00	11/20/13 16:20	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	13.3	2.4	1	11/20/13 09:00	11/20/13 16:20	53-70-3	
Fluoranthene	ND	ug/kg	13.3	1.1	1	11/20/13 09:00	11/20/13 16:20	206-44-0	
Fluorene	ND	ug/kg	13.3	2.1	1	11/20/13 09:00	11/20/13 16:20	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	13.3	3.7	1	11/20/13 09:00	11/20/13 16:20	193-39-5	
1-Methylnaphthalene	ND	ug/kg	13.3	1.6	1	11/20/13 09:00	11/20/13 16:20	90-12-0	
2-Methylnaphthalene	ND	ug/kg	13.3	1.5	1	11/20/13 09:00	11/20/13 16:20	91-57-6	
Naphthalene	ND	ug/kg	13.3	3.1	1	11/20/13 09:00	11/20/13 16:20	91-20-3	
Phenanthrene	ND	ug/kg	13.3	2.0	1	11/20/13 09:00	11/20/13 16:20	85-01-8	
Pyrene	ND	ug/kg	13.3	2.4	1	11/20/13 09:00	11/20/13 16:20	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	36	%	10-128		1	11/20/13 09:00	11/20/13 16:20	4165-60-0	
2-Fluorobiphenyl (S)	37	%	10-110		1	11/20/13 09:00	11/20/13 16:20	321-60-8	
Terphenyl-d14 (S)	54	%	39-119		1	11/20/13 09:00	11/20/13 16:20	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**15.2J**	ug/kg	119	11.9	1		11/22/13 05:01	67-64-1	
Benzene	ND	ug/kg	6.0	1.9	1		11/22/13 05:01	71-43-2	
Bromochloromethane	ND	ug/kg	6.0	2.0	1		11/22/13 05:01	74-97-5	
Bromodichloromethane	ND	ug/kg	6.0	2.3	1		11/22/13 05:01	75-27-4	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-CSS-SB-206-4-5 **Lab ID: 92180022009** Collected: 11/18/13 13:15 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Bromoform	ND	ug/kg	6.0	2.7	1		11/22/13 05:01	75-25-2	
Bromomethane	ND	ug/kg	11.9	3.0	1		11/22/13 05:01	74-83-9	
2-Butanone (MEK)	ND	ug/kg	119	3.5	1		11/22/13 05:01	78-93-3	
Carbon disulfide	ND	ug/kg	11.9	3.6	1		11/22/13 05:01	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.0	3.1	1		11/22/13 05:01	56-23-5	
Chlorobenzene	ND	ug/kg	6.0	2.3	1		11/22/13 05:01	108-90-7	
Chloroethane	ND	ug/kg	11.9	2.9	1		11/22/13 05:01	75-00-3	
Chloroform	ND	ug/kg	6.0	1.9	1		11/22/13 05:01	67-66-3	
Chloromethane	ND	ug/kg	11.9	2.9	1		11/22/13 05:01	74-87-3	
Cyclohexane	ND	ug/kg	6.0	1.9	1		11/22/13 05:01	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.0	4.3	1		11/22/13 05:01	96-12-8	
Dibromochloromethane	ND	ug/kg	6.0	2.1	1		11/22/13 05:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.0	2.1	1		11/22/13 05:01	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	6.0	2.3	1		11/22/13 05:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.0	2.4	1		11/22/13 05:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.0	2.0	1		11/22/13 05:01	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.9	4.3	1		11/22/13 05:01	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.0	1.8	1		11/22/13 05:01	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.0	2.6	1		11/22/13 05:01	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.0	2.1	1		11/22/13 05:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.0	1.7	1		11/22/13 05:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.0	2.3	1		11/22/13 05:01	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.0	2.0	1		11/22/13 05:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	6.0	2.1	1		11/22/13 05:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.0	1.8	1		11/22/13 05:01	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	179	143	1		11/22/13 05:01	123-91-1	
Ethylbenzene	ND	ug/kg	6.0	2.1	1		11/22/13 05:01	100-41-4	
2-Hexanone	ND	ug/kg	59.6	4.6	1		11/22/13 05:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.0	2.3	1		11/22/13 05:01	98-82-8	
Methyl acetate	ND	ug/kg	11.9	1.7	1		11/22/13 05:01	79-20-9	
Methylcyclohexane	ND	ug/kg	11.9	1.8	1		11/22/13 05:01	108-87-2	
Methylene Chloride	ND	ug/kg	23.8	3.6	1		11/22/13 05:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	59.6	4.4	1		11/22/13 05:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.0	1.8	1		11/22/13 05:01	1634-04-4	
Styrene	ND	ug/kg	6.0	2.1	1		11/22/13 05:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.0	2.3	1		11/22/13 05:01	79-34-5	
Tetrachloroethene	ND	ug/kg	6.0	2.0	1		11/22/13 05:01	127-18-4	
Toluene	ND	ug/kg	6.0	2.1	1		11/22/13 05:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.0	2.6	1		11/22/13 05:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.0	1.9	1		11/22/13 05:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.0	2.1	1		11/22/13 05:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.0	2.5	1		11/22/13 05:01	79-00-5	
Trichloroethene	ND	ug/kg	6.0	2.5	1		11/22/13 05:01	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.0	2.6	1		11/22/13 05:01	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	6.0	2.3	1		11/22/13 05:01	76-13-1	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-CSS-SB-206-4-5 **Lab ID: 92180022009** Collected: 11/18/13 13:15 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Vinyl chloride	ND	ug/kg	11.9	2.1	1		11/22/13 05:01	75-01-4	
m&p-Xylene	ND	ug/kg	11.9	4.3	1		11/22/13 05:01	179601-23-1	
o-Xylene	ND	ug/kg	6.0	2.3	1		11/22/13 05:01	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		11/22/13 05:01	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		11/22/13 05:01	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-132		1		11/22/13 05:01	17060-07-0	
Tentatively Identified Compounds									
Unknown siloxane isomer	**16.8**	ug/kg			1		11/22/13 05:01		N
Tridecane	**6.7**	ug/kg			1		11/22/13 05:01	629-50-5	N
Tetradecane	**7.0**	ug/kg			1		11/22/13 05:01	629-59-4	N
Pentadecane	**6.1**	ug/kg			1		11/22/13 05:01	629-62-9	N
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**24.9**	%	0.10	0.10	1		11/22/13 14:26		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-CSS-SB-206-8-10 **Lab ID: 92180022010** Collected: 11/18/13 13:30 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	394	203	1	11/20/13 09:55	11/23/13 18:29	98-86-2	
Atrazine	ND	ug/kg	787	155	1	11/20/13 09:55	11/23/13 18:29	1912-24-9	
Benzaldehyde	ND	ug/kg	787	394	1	11/20/13 09:55	11/23/13 18:29	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	394	124	1	11/20/13 09:55	11/23/13 18:29	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	394	71.6	1	11/20/13 09:55	11/23/13 18:29	101-55-3	
Butylbenzylphthalate	ND	ug/kg	394	83.5	1	11/20/13 09:55	11/23/13 18:29	85-68-7	
Caprolactam	ND	ug/kg	394	68.0	1	11/20/13 09:55	11/23/13 18:29	105-60-2	
Carbazole	ND	ug/kg	394	75.1	1	11/20/13 09:55	11/23/13 18:29	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	787	81.1	1	11/20/13 09:55	11/23/13 18:29	59-50-7	
4-Chloroaniline	ND	ug/kg	1970	110	1	11/20/13 09:55	11/23/13 18:29	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	394	91.8	1	11/20/13 09:55	11/23/13 18:29	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	394	100	1	11/20/13 09:55	11/23/13 18:29	111-44-4	
2-Chloronaphthalene	ND	ug/kg	394	77.5	1	11/20/13 09:55	11/23/13 18:29	91-58-7	
2-Chlorophenol	ND	ug/kg	394	107	1	11/20/13 09:55	11/23/13 18:29	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	394	81.1	1	11/20/13 09:55	11/23/13 18:29	7005-72-3	
Dibenzofuran	ND	ug/kg	394	64.4	1	11/20/13 09:55	11/23/13 18:29	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1970	85.9	1	11/20/13 09:55	11/23/13 18:29	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	394	85.9	1	11/20/13 09:55	11/23/13 18:29	120-83-2	
Diethylphthalate	ND	ug/kg	394	60.8	1	11/20/13 09:55	11/23/13 18:29	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	394	155	1	11/20/13 09:55	11/23/13 18:29	105-67-9	
Dimethylphthalate	ND	ug/kg	394	79.9	1	11/20/13 09:55	11/23/13 18:29	131-11-3	
Di-n-butylphthalate	ND	ug/kg	394	64.4	1	11/20/13 09:55	11/23/13 18:29	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	787	78.7	1	11/20/13 09:55	11/23/13 18:29	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1970	64.4	1	11/20/13 09:55	11/23/13 18:29	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	394	73.9	1	11/20/13 09:55	11/23/13 18:29	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	394	82.3	1	11/20/13 09:55	11/23/13 18:29	606-20-2	
Di-n-octylphthalate	ND	ug/kg	394	82.3	1	11/20/13 09:55	11/23/13 18:29	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	394	107	1	11/20/13 09:55	11/23/13 18:29	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	394	68.0	1	11/20/13 09:55	11/23/13 18:29	87-68-3	
Hexachlorobenzene	ND	ug/kg	394	50.1	1	11/20/13 09:55	11/23/13 18:29	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	394	72.7	1	11/20/13 09:55	11/23/13 18:29	77-47-4	
Hexachloroethane	ND	ug/kg	394	104	1	11/20/13 09:55	11/23/13 18:29	67-72-1	
Isophorone	ND	ug/kg	394	88.3	1	11/20/13 09:55	11/23/13 18:29	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	394	119	1	11/20/13 09:55	11/23/13 18:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	394	155	1	11/20/13 09:55	11/23/13 18:29		
2-Nitroaniline	ND	ug/kg	1970	122	1	11/20/13 09:55	11/23/13 18:29	88-74-4	
3-Nitroaniline	ND	ug/kg	1970	107	1	11/20/13 09:55	11/23/13 18:29	99-09-2	
4-Nitroaniline	ND	ug/kg	787	111	1	11/20/13 09:55	11/23/13 18:29	100-01-6	
Nitrobenzene	ND	ug/kg	394	107	1	11/20/13 09:55	11/23/13 18:29	98-95-3	
2-Nitrophenol	ND	ug/kg	394	95.4	1	11/20/13 09:55	11/23/13 18:29	88-75-5	
4-Nitrophenol	ND	ug/kg	1970	70.4	1	11/20/13 09:55	11/23/13 18:29	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	394	75.1	1	11/20/13 09:55	11/23/13 18:29	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	394	117	1	11/20/13 09:55	11/23/13 18:29	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	394	105	1	11/20/13 09:55	11/23/13 18:29	108-60-1	
Pentachlorophenol	ND	ug/kg	1970	71.6	1	11/20/13 09:55	11/23/13 18:29	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-CSS-SB-206-8-10 **Lab ID: 92180022010** Collected: 11/18/13 13:30 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	394	118	1	11/20/13 09:55	11/23/13 18:29	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	394	143	1	11/20/13 09:55	11/23/13 18:29	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	394	155	1	11/20/13 09:55	11/23/13 18:29	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	394	122	1	11/20/13 09:55	11/23/13 18:29	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	394	87.1	1	11/20/13 09:55	11/23/13 18:29	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	31	%	30-110		1	11/20/13 09:55	11/23/13 18:29	321-60-8	
Terphenyl-d14 (S)	32	%	28-110		1	11/20/13 09:55	11/23/13 18:29	1718-51-0	
Phenol-d6 (S)	25	%	22-110		1	11/20/13 09:55	11/23/13 18:29	13127-88-3	
2-Fluorophenol (S)	27	%	13-110		1	11/20/13 09:55	11/23/13 18:29	367-12-4	
2,4,6-Tribromophenol (S)	30	%	27-110		1	11/20/13 09:55	11/23/13 18:29	118-79-6	
Nitrobenzene-d5 (S)	29	%	23-110		1	11/20/13 09:55	11/23/13 18:29	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.9	1.8	1	11/20/13 09:00	11/20/13 16:40	83-32-9	
Acenaphthylene	ND	ug/kg	11.9	1.6	1	11/20/13 09:00	11/20/13 16:40	208-96-8	
Anthracene	ND	ug/kg	11.9	1.7	1	11/20/13 09:00	11/20/13 16:40	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.9	0.85	1	11/20/13 09:00	11/20/13 16:40	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.9	1.3	1	11/20/13 09:00	11/20/13 16:40	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.9	0.80	1	11/20/13 09:00	11/20/13 16:40	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.9	3.1	1	11/20/13 09:00	11/20/13 16:40	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.9	1.8	1	11/20/13 09:00	11/20/13 16:40	207-08-9	
Chrysene	ND	ug/kg	11.9	2.1	1	11/20/13 09:00	11/20/13 16:40	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.9	2.1	1	11/20/13 09:00	11/20/13 16:40	53-70-3	
Fluoranthene	ND	ug/kg	11.9	0.99	1	11/20/13 09:00	11/20/13 16:40	206-44-0	
Fluorene	ND	ug/kg	11.9	1.9	1	11/20/13 09:00	11/20/13 16:40	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.9	3.3	1	11/20/13 09:00	11/20/13 16:40	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.9	1.4	1	11/20/13 09:00	11/20/13 16:40	90-12-0	
2-Methylnaphthalene	**1.7J**	ug/kg	11.9	1.3	1	11/20/13 09:00	11/20/13 16:40	91-57-6	
Naphthalene	ND	ug/kg	11.9	2.7	1	11/20/13 09:00	11/20/13 16:40	91-20-3	
Phenanthrene	ND	ug/kg	11.9	1.8	1	11/20/13 09:00	11/20/13 16:40	85-01-8	
Pyrene	ND	ug/kg	11.9	2.1	1	11/20/13 09:00	11/20/13 16:40	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	58	%	10-128		1	11/20/13 09:00	11/20/13 16:40	4165-60-0	
2-Fluorobiphenyl (S)	59	%	10-110		1	11/20/13 09:00	11/20/13 16:40	321-60-8	
Terphenyl-d14 (S)	70	%	39-119		1	11/20/13 09:00	11/20/13 16:40	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**43.1J**	ug/kg	113	11.3	1		11/22/13 05:20	67-64-1	
Benzene	ND	ug/kg	5.6	1.8	1		11/22/13 05:20	71-43-2	
Bromochloromethane	ND	ug/kg	5.6	1.9	1		11/22/13 05:20	74-97-5	
Bromodichloromethane	ND	ug/kg	5.6	2.1	1		11/22/13 05:20	75-27-4	
Bromoform	ND	ug/kg	5.6	2.6	1		11/22/13 05:20	75-25-2	
Bromomethane	ND	ug/kg	11.3	2.8	1		11/22/13 05:20	74-83-9	
2-Butanone (MEK)	**19.5J**	ug/kg	113	3.3	1		11/22/13 05:20	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-CSS-SB-206-8-10 **Lab ID: 92180022010** Collected: 11/18/13 13:30 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	11.3	3.4	1		11/22/13 05:20	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.6	2.9	1		11/22/13 05:20	56-23-5	
Chlorobenzene	ND	ug/kg	5.6	2.1	1		11/22/13 05:20	108-90-7	
Chloroethane	ND	ug/kg	11.3	2.7	1		11/22/13 05:20	75-00-3	
Chloroform	ND	ug/kg	5.6	1.8	1		11/22/13 05:20	67-66-3	
Chloromethane	ND	ug/kg	11.3	2.7	1		11/22/13 05:20	74-87-3	
Cyclohexane	ND	ug/kg	5.6	1.8	1		11/22/13 05:20	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.6	4.1	1		11/22/13 05:20	96-12-8	
Dibromochloromethane	ND	ug/kg	5.6	2.0	1		11/22/13 05:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.6	2.0	1		11/22/13 05:20	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.6	2.1	1		11/22/13 05:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.6	2.3	1		11/22/13 05:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.6	1.9	1		11/22/13 05:20	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.3	4.1	1		11/22/13 05:20	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.6	1.7	1		11/22/13 05:20	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.6	2.5	1		11/22/13 05:20	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.6	2.0	1		11/22/13 05:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.6	1.6	1		11/22/13 05:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.6	2.1	1		11/22/13 05:20	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.6	1.9	1		11/22/13 05:20	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.6	2.0	1		11/22/13 05:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.6	1.7	1		11/22/13 05:20	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	169	136	1		11/22/13 05:20	123-91-1	
Ethylbenzene	ND	ug/kg	5.6	2.0	1		11/22/13 05:20	100-41-4	
2-Hexanone	**4.7J**	ug/kg	56.5	4.4	1		11/22/13 05:20	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.6	2.1	1		11/22/13 05:20	98-82-8	
Methyl acetate	ND	ug/kg	11.3	1.6	1		11/22/13 05:20	79-20-9	
Methylcyclohexane	ND	ug/kg	11.3	1.7	1		11/22/13 05:20	108-87-2	
Methylene Chloride	ND	ug/kg	22.6	3.4	1		11/22/13 05:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	56.5	4.2	1		11/22/13 05:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.6	1.7	1		11/22/13 05:20	1634-04-4	
Styrene	ND	ug/kg	5.6	2.0	1		11/22/13 05:20	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	2.1	1		11/22/13 05:20	79-34-5	
Tetrachloroethene	ND	ug/kg	5.6	1.9	1		11/22/13 05:20	127-18-4	
Toluene	ND	ug/kg	5.6	2.0	1		11/22/13 05:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.6	2.5	1		11/22/13 05:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	1.8	1		11/22/13 05:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.6	2.0	1		11/22/13 05:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.6	2.4	1		11/22/13 05:20	79-00-5	
Trichloroethene	ND	ug/kg	5.6	2.4	1		11/22/13 05:20	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.6	2.5	1		11/22/13 05:20	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.6	2.1	1		11/22/13 05:20	76-13-1	
Vinyl chloride	ND	ug/kg	11.3	2.0	1		11/22/13 05:20	75-01-4	
m&p-Xylene	ND	ug/kg	11.3	4.1	1		11/22/13 05:20	179601-23-1	
o-Xylene	ND	ug/kg	5.6	2.1	1		11/22/13 05:20	95-47-6	

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(704)875-9092

ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-CSS-SB-206-8-10 **Lab ID: 92180022010** Collected: 11/18/13 13:30 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		11/22/13 05:20	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		11/22/13 05:20	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-132		1		11/22/13 05:20	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.2**	%	0.10	0.10	1		11/22/13 14:26		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-CSS-SB-206-14-15 **Lab ID: 92180022011** Collected: 11/18/13 13:55 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	447	230	1	11/20/13 09:55	11/23/13 19:01	98-86-2	
Atrazine	ND	ug/kg	893	176	1	11/20/13 09:55	11/23/13 19:01	1912-24-9	
Benzaldehyde	ND	ug/kg	893	447	1	11/20/13 09:55	11/23/13 19:01	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	447	141	1	11/20/13 09:55	11/23/13 19:01	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	447	81.2	1	11/20/13 09:55	11/23/13 19:01	101-55-3	
Butylbenzylphthalate	ND	ug/kg	447	94.7	1	11/20/13 09:55	11/23/13 19:01	85-68-7	
Caprolactam	ND	ug/kg	447	77.1	1	11/20/13 09:55	11/23/13 19:01	105-60-2	
Carbazole	ND	ug/kg	447	85.2	1	11/20/13 09:55	11/23/13 19:01	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	893	92.0	1	11/20/13 09:55	11/23/13 19:01	59-50-7	
4-Chloroaniline	ND	ug/kg	2230	124	1	11/20/13 09:55	11/23/13 19:01	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	447	104	1	11/20/13 09:55	11/23/13 19:01	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	447	114	1	11/20/13 09:55	11/23/13 19:01	111-44-4	
2-Chloronaphthalene	ND	ug/kg	447	87.9	1	11/20/13 09:55	11/23/13 19:01	91-58-7	
2-Chlorophenol	ND	ug/kg	447	122	1	11/20/13 09:55	11/23/13 19:01	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	447	92.0	1	11/20/13 09:55	11/23/13 19:01	7005-72-3	
Dibenzofuran	ND	ug/kg	447	73.1	1	11/20/13 09:55	11/23/13 19:01	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2230	97.4	1	11/20/13 09:55	11/23/13 19:01	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	447	97.4	1	11/20/13 09:55	11/23/13 19:01	120-83-2	
Diethylphthalate	ND	ug/kg	447	69.0	1	11/20/13 09:55	11/23/13 19:01	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	447	176	1	11/20/13 09:55	11/23/13 19:01	105-67-9	
Dimethylphthalate	ND	ug/kg	447	90.7	1	11/20/13 09:55	11/23/13 19:01	131-11-3	
Di-n-butylphthalate	ND	ug/kg	447	73.1	1	11/20/13 09:55	11/23/13 19:01	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	893	89.3	1	11/20/13 09:55	11/23/13 19:01	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2230	73.1	1	11/20/13 09:55	11/23/13 19:01	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	447	83.9	1	11/20/13 09:55	11/23/13 19:01	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	447	93.4	1	11/20/13 09:55	11/23/13 19:01	606-20-2	
Di-n-octylphthalate	ND	ug/kg	447	93.4	1	11/20/13 09:55	11/23/13 19:01	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	447	122	1	11/20/13 09:55	11/23/13 19:01	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	447	77.1	1	11/20/13 09:55	11/23/13 19:01	87-68-3	
Hexachlorobenzene	ND	ug/kg	447	56.8	1	11/20/13 09:55	11/23/13 19:01	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	447	82.5	1	11/20/13 09:55	11/23/13 19:01	77-47-4	
Hexachloroethane	ND	ug/kg	447	118	1	11/20/13 09:55	11/23/13 19:01	67-72-1	
Isophorone	ND	ug/kg	447	100	1	11/20/13 09:55	11/23/13 19:01	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	447	135	1	11/20/13 09:55	11/23/13 19:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	447	176	1	11/20/13 09:55	11/23/13 19:01		
2-Nitroaniline	ND	ug/kg	2230	138	1	11/20/13 09:55	11/23/13 19:01	88-74-4	
3-Nitroaniline	ND	ug/kg	2230	122	1	11/20/13 09:55	11/23/13 19:01	99-09-2	
4-Nitroaniline	ND	ug/kg	893	126	1	11/20/13 09:55	11/23/13 19:01	100-01-6	
Nitrobenzene	ND	ug/kg	447	122	1	11/20/13 09:55	11/23/13 19:01	98-95-3	
2-Nitrophenol	ND	ug/kg	447	108	1	11/20/13 09:55	11/23/13 19:01	88-75-5	
4-Nitrophenol	ND	ug/kg	2230	79.8	1	11/20/13 09:55	11/23/13 19:01	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	447	85.2	1	11/20/13 09:55	11/23/13 19:01	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	447	133	1	11/20/13 09:55	11/23/13 19:01	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	447	119	1	11/20/13 09:55	11/23/13 19:01	108-60-1	
Pentachlorophenol	ND	ug/kg	2230	81.2	1	11/20/13 09:55	11/23/13 19:01	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-CSS-SB-206-14-15 **Lab ID: 92180022011** Collected: 11/18/13 13:55 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	447	134	1	11/20/13 09:55	11/23/13 19:01	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	447	162	1	11/20/13 09:55	11/23/13 19:01	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	447	176	1	11/20/13 09:55	11/23/13 19:01	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	447	138	1	11/20/13 09:55	11/23/13 19:01	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	447	98.8	1	11/20/13 09:55	11/23/13 19:01	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	59	%	30-110		1	11/20/13 09:55	11/23/13 19:01	321-60-8	
Terphenyl-d14 (S)	75	%	28-110		1	11/20/13 09:55	11/23/13 19:01	1718-51-0	
Phenol-d6 (S)	55	%	22-110		1	11/20/13 09:55	11/23/13 19:01	13127-88-3	
2-Fluorophenol (S)	52	%	13-110		1	11/20/13 09:55	11/23/13 19:01	367-12-4	
2,4,6-Tribromophenol (S)	104	%	27-110		1	11/20/13 09:55	11/23/13 19:01	118-79-6	
Nitrobenzene-d5 (S)	72	%	23-110		1	11/20/13 09:55	11/23/13 19:01	4165-60-0	
Tentatively Identified Compounds									
trans-Decalin, 2-methyl-	**865**	ug/kg			1	11/20/13 09:55	11/23/13 19:01	1000152-47-	N
Unknown	**715**	ug/kg			1	11/20/13 09:55	11/23/13 19:01		N
Unknown	**2330**	ug/kg			1	11/20/13 09:55	11/23/13 19:01		N
Dodecane, 2-methyl-	**1240**	ug/kg			1	11/20/13 09:55	11/23/13 19:01	1560-97-0	N
Unknown	**3150**	ug/kg			1	11/20/13 09:55	11/23/13 19:01		N
Tridecane	**8240**	ug/kg			1	11/20/13 09:55	11/23/13 19:01	629-50-5	N
Hexadecane	**3810**	ug/kg			1	11/20/13 09:55	11/23/13 19:01	544-76-3	N
Tetracosane	**848**	ug/kg			1	11/20/13 09:55	11/23/13 19:01	646-31-1	N
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	271	40.6	20	11/20/13 09:00	11/20/13 19:20	83-32-9	
Acenaphthylene	ND	ug/kg	271	35.2	20	11/20/13 09:00	11/20/13 19:20	208-96-8	
Anthracene	ND	ug/kg	271	37.9	20	11/20/13 09:00	11/20/13 19:20	120-12-7	
Benzo(a)anthracene	ND	ug/kg	271	19.2	20	11/20/13 09:00	11/20/13 19:20	56-55-3	
Benzo(a)pyrene	ND	ug/kg	271	29.8	20	11/20/13 09:00	11/20/13 19:20	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	271	18.1	20	11/20/13 09:00	11/20/13 19:20	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	271	70.4	20	11/20/13 09:00	11/20/13 19:20	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	271	40.6	20	11/20/13 09:00	11/20/13 19:20	207-08-9	
Chrysene	ND	ug/kg	271	48.7	20	11/20/13 09:00	11/20/13 19:20	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	271	48.7	20	11/20/13 09:00	11/20/13 19:20	53-70-3	
Fluoranthene	ND	ug/kg	271	22.5	20	11/20/13 09:00	11/20/13 19:20	206-44-0	
Fluorene	**258J**	ug/kg	271	43.3	20	11/20/13 09:00	11/20/13 19:20	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	271	75.8	20	11/20/13 09:00	11/20/13 19:20	193-39-5	
1-Methylnaphthalene	**1530**	ug/kg	271	32.5	20	11/20/13 09:00	11/20/13 19:20	90-12-0	
2-Methylnaphthalene	**1590**	ug/kg	271	29.8	20	11/20/13 09:00	11/20/13 19:20	91-57-6	
Naphthalene	ND	ug/kg	271	62.2	20	11/20/13 09:00	11/20/13 19:20	91-20-3	
Phenanthrene	**477**	ug/kg	271	40.6	20	11/20/13 09:00	11/20/13 19:20	85-01-8	
Pyrene	**233J**	ug/kg	271	48.7	20	11/20/13 09:00	11/20/13 19:20	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	0	%	10-128		20	11/20/13 09:00	11/20/13 19:20	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	10-110		20	11/20/13 09:00	11/20/13 19:20	321-60-8	
Terphenyl-d14 (S)	0	%	39-119		20	11/20/13 09:00	11/20/13 19:20	1718-51-0	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-CSS-SB-206-14-15 **Lab ID: 92180022011** Collected: 11/18/13 13:55 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	3030	303	25		11/22/13 05:40	67-64-1	
Benzene	ND	ug/kg	151	48.4	25		11/22/13 05:40	71-43-2	
Bromochloromethane	ND	ug/kg	151	51.4	25		11/22/13 05:40	74-97-5	
Bromodichloromethane	ND	ug/kg	151	57.5	25		11/22/13 05:40	75-27-4	
Bromoform	ND	ug/kg	151	69.6	25		11/22/13 05:40	75-25-2	
Bromomethane	ND	ug/kg	303	75.6	25		11/22/13 05:40	74-83-9	
2-Butanone (MEK)	ND	ug/kg	3030	87.7	25		11/22/13 05:40	78-93-3	
Carbon disulfide	ND	ug/kg	303	90.8	25		11/22/13 05:40	75-15-0	
Carbon tetrachloride	ND	ug/kg	151	78.7	25		11/22/13 05:40	56-23-5	
Chlorobenzene	ND	ug/kg	151	57.5	25		11/22/13 05:40	108-90-7	
Chloroethane	ND	ug/kg	303	72.6	25		11/22/13 05:40	75-00-3	
Chloroform	ND	ug/kg	151	48.4	25		11/22/13 05:40	67-66-3	
Chloromethane	ND	ug/kg	303	72.6	25		11/22/13 05:40	74-87-3	
Cyclohexane	ND	ug/kg	151	48.4	25		11/22/13 05:40	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	151	109	25		11/22/13 05:40	96-12-8	
Dibromochloromethane	ND	ug/kg	151	54.5	25		11/22/13 05:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	151	54.5	25		11/22/13 05:40	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	151	57.5	25		11/22/13 05:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	151	60.5	25		11/22/13 05:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	151	51.4	25		11/22/13 05:40	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	303	109	25		11/22/13 05:40	75-71-8	
1,1-Dichloroethane	ND	ug/kg	151	45.4	25		11/22/13 05:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	151	66.6	25		11/22/13 05:40	107-06-2	
1,1-Dichloroethene	ND	ug/kg	151	54.5	25		11/22/13 05:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	151	42.4	25		11/22/13 05:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	151	57.5	25		11/22/13 05:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	151	51.4	25		11/22/13 05:40	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	151	54.5	25		11/22/13 05:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	151	45.4	25		11/22/13 05:40	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	4540	3630	25		11/22/13 05:40	123-91-1	
Ethylbenzene	ND	ug/kg	151	54.5	25		11/22/13 05:40	100-41-4	
2-Hexanone	ND	ug/kg	1510	118	25		11/22/13 05:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	151	57.5	25		11/22/13 05:40	98-82-8	
Methyl acetate	**600**	ug/kg	303	42.4	25		11/22/13 05:40	79-20-9	
Methylcyclohexane	ND	ug/kg	303	45.4	25		11/22/13 05:40	108-87-2	
Methylene Chloride	ND	ug/kg	605	90.8	25		11/22/13 05:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1510	112	25		11/22/13 05:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	151	45.4	25		11/22/13 05:40	1634-04-4	
Styrene	ND	ug/kg	151	54.5	25		11/22/13 05:40	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	151	57.5	25		11/22/13 05:40	79-34-5	
Tetrachloroethene	ND	ug/kg	151	51.4	25		11/22/13 05:40	127-18-4	
Toluene	ND	ug/kg	151	54.5	25		11/22/13 05:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	151	66.6	25		11/22/13 05:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	151	48.4	25		11/22/13 05:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	151	54.5	25		11/22/13 05:40	71-55-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-CSS-SB-206-14-15 **Lab ID: 92180022011** Collected: 11/18/13 13:55 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/kg	151	63.5	25		11/22/13 05:40	79-00-5	
Trichloroethene	**481**	ug/kg	151	63.5	25		11/22/13 05:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	151	66.6	25		11/22/13 05:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	151	57.5	25		11/22/13 05:40	76-13-1	
Vinyl chloride	ND	ug/kg	303	54.5	25		11/22/13 05:40	75-01-4	
m&p-Xylene	ND	ug/kg	303	109	25		11/22/13 05:40	179601-23-1	
o-Xylene	ND	ug/kg	151	57.5	25		11/22/13 05:40	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		25		11/22/13 05:40	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		25		11/22/13 05:40	460-00-4	
1,2-Dichloroethane-d4 (S)	138	%	70-132		25		11/22/13 05:40	17060-07-0	S5
Tentatively Identified Compounds									
Unknown Cycloalkane	**8990**	ug/kg			25		11/22/13 05:40		N
Unknown Cycloalkane	**7490**	ug/kg			25		11/22/13 05:40		N
Cyclohexane, 1,1,4,4-tet	**9170**	ug/kg			25		11/22/13 05:40	2223-52-1	N
Unknown	**7060**	ug/kg			25		11/22/13 05:40		N
Unknown	**21100**	ug/kg			25		11/22/13 05:40		N
Naphthalene, decahydro-2	**13100**	ug/kg			25		11/22/13 05:40	2958-76-1	N
Dodecane	**13000**	ug/kg			25		11/22/13 05:40	112-40-3	N
Cyclohexene, 2-ethenyl-1	**12100**	ug/kg			25		11/22/13 05:40	5293-90-3	N
Unknown Alkane	**8830**	ug/kg			25		11/22/13 05:40		N
Unknown Cycloalkane	**9840**	ug/kg			25		11/22/13 05:40		N
Unknown Alkane	**15000**	ug/kg			25		11/22/13 05:40		N
trans,trans-1,6-Dimethyl	**10900**	ug/kg			25		11/22/13 05:40	1000111-72-	N
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**26.1**	%	0.10	0.10	1		11/22/13 14:26		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-23-0-1 **Lab ID: 92180022012** Collected: 11/18/13 15:05 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	401	207	1	11/20/13 09:55	11/23/13 19:32	98-86-2	
Atrazine	ND	ug/kg	802	158	1	11/20/13 09:55	11/23/13 19:32	1912-24-9	
Benzaldehyde	ND	ug/kg	802	401	1	11/20/13 09:55	11/23/13 19:32	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	401	126	1	11/20/13 09:55	11/23/13 19:32	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	401	72.9	1	11/20/13 09:55	11/23/13 19:32	101-55-3	
Butylbenzylphthalate	ND	ug/kg	401	85.0	1	11/20/13 09:55	11/23/13 19:32	85-68-7	
Caprolactam	ND	ug/kg	401	69.3	1	11/20/13 09:55	11/23/13 19:32	105-60-2	
Carbazole	ND	ug/kg	401	76.5	1	11/20/13 09:55	11/23/13 19:32	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	802	82.6	1	11/20/13 09:55	11/23/13 19:32	59-50-7	
4-Chloroaniline	ND	ug/kg	2000	112	1	11/20/13 09:55	11/23/13 19:32	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	401	93.6	1	11/20/13 09:55	11/23/13 19:32	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	401	102	1	11/20/13 09:55	11/23/13 19:32	111-44-4	
2-Chloronaphthalene	ND	ug/kg	401	79.0	1	11/20/13 09:55	11/23/13 19:32	91-58-7	
2-Chlorophenol	ND	ug/kg	401	109	1	11/20/13 09:55	11/23/13 19:32	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	401	82.6	1	11/20/13 09:55	11/23/13 19:32	7005-72-3	
Dibenzofuran	ND	ug/kg	401	65.6	1	11/20/13 09:55	11/23/13 19:32	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2000	87.5	1	11/20/13 09:55	11/23/13 19:32	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	401	87.5	1	11/20/13 09:55	11/23/13 19:32	120-83-2	
Diethylphthalate	ND	ug/kg	401	62.0	1	11/20/13 09:55	11/23/13 19:32	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	401	158	1	11/20/13 09:55	11/23/13 19:32	105-67-9	
Dimethylphthalate	ND	ug/kg	401	81.4	1	11/20/13 09:55	11/23/13 19:32	131-11-3	
Di-n-butylphthalate	ND	ug/kg	401	65.6	1	11/20/13 09:55	11/23/13 19:32	84-74-2	
4,6-Dinitro-2-methylphenol	**679J**	ug/kg	802	80.2	1	11/20/13 09:55	11/23/13 19:32	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2000	65.6	1	11/20/13 09:55	11/23/13 19:32	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	401	75.3	1	11/20/13 09:55	11/23/13 19:32	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	401	83.8	1	11/20/13 09:55	11/23/13 19:32	606-20-2	
Di-n-octylphthalate	ND	ug/kg	401	83.8	1	11/20/13 09:55	11/23/13 19:32	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	401	109	1	11/20/13 09:55	11/23/13 19:32	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	401	69.3	1	11/20/13 09:55	11/23/13 19:32	87-68-3	
Hexachlorobenzene	ND	ug/kg	401	51.0	1	11/20/13 09:55	11/23/13 19:32	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	401	74.1	1	11/20/13 09:55	11/23/13 19:32	77-47-4	
Hexachloroethane	ND	ug/kg	401	106	1	11/20/13 09:55	11/23/13 19:32	67-72-1	
Isophorone	ND	ug/kg	401	89.9	1	11/20/13 09:55	11/23/13 19:32	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	401	121	1	11/20/13 09:55	11/23/13 19:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	401	158	1	11/20/13 09:55	11/23/13 19:32		
2-Nitroaniline	ND	ug/kg	2000	124	1	11/20/13 09:55	11/23/13 19:32	88-74-4	
3-Nitroaniline	ND	ug/kg	2000	109	1	11/20/13 09:55	11/23/13 19:32	99-09-2	
4-Nitroaniline	ND	ug/kg	802	113	1	11/20/13 09:55	11/23/13 19:32	100-01-6	
Nitrobenzene	ND	ug/kg	401	109	1	11/20/13 09:55	11/23/13 19:32	98-95-3	
2-Nitrophenol	ND	ug/kg	401	97.2	1	11/20/13 09:55	11/23/13 19:32	88-75-5	
4-Nitrophenol	ND	ug/kg	2000	71.7	1	11/20/13 09:55	11/23/13 19:32	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	401	76.5	1	11/20/13 09:55	11/23/13 19:32	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	401	119	1	11/20/13 09:55	11/23/13 19:32	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	401	107	1	11/20/13 09:55	11/23/13 19:32	108-60-1	
Pentachlorophenol	ND	ug/kg	2000	72.9	1	11/20/13 09:55	11/23/13 19:32	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-23-0-1 **Lab ID: 92180022012** Collected: 11/18/13 15:05 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	401	120	1	11/20/13 09:55	11/23/13 19:32	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	401	146	1	11/20/13 09:55	11/23/13 19:32	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	401	158	1	11/20/13 09:55	11/23/13 19:32	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	401	124	1	11/20/13 09:55	11/23/13 19:32	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	401	88.7	1	11/20/13 09:55	11/23/13 19:32	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	43	%	30-110		1	11/20/13 09:55	11/23/13 19:32	321-60-8	
Terphenyl-d14 (S)	62	%	28-110		1	11/20/13 09:55	11/23/13 19:32	1718-51-0	
Phenol-d6 (S)	39	%	22-110		1	11/20/13 09:55	11/23/13 19:32	13127-88-3	
2-Fluorophenol (S)	37	%	13-110		1	11/20/13 09:55	11/23/13 19:32	367-12-4	
2,4,6-Tribromophenol (S)	55	%	27-110		1	11/20/13 09:55	11/23/13 19:32	118-79-6	
Nitrobenzene-d5 (S)	40	%	23-110		1	11/20/13 09:55	11/23/13 19:32	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.1	1.8	1	11/20/13 09:00	11/20/13 18:00	83-32-9	
Acenaphthylene	ND	ug/kg	12.1	1.6	1	11/20/13 09:00	11/20/13 18:00	208-96-8	
Anthracene	ND	ug/kg	12.1	1.7	1	11/20/13 09:00	11/20/13 18:00	120-12-7	
Benzo(a)anthracene	**5.0J**	ug/kg	12.1	0.86	1	11/20/13 09:00	11/20/13 18:00	56-55-3	
Benzo(a)pyrene	**4.9J**	ug/kg	12.1	1.3	1	11/20/13 09:00	11/20/13 18:00	50-32-8	
Benzo(b)fluoranthene	**4.4J**	ug/kg	12.1	0.81	1	11/20/13 09:00	11/20/13 18:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.1	3.2	1	11/20/13 09:00	11/20/13 18:00	191-24-2	
Benzo(k)fluoranthene	**4.0J**	ug/kg	12.1	1.8	1	11/20/13 09:00	11/20/13 18:00	207-08-9	
Chrysene	**5.3J**	ug/kg	12.1	2.2	1	11/20/13 09:00	11/20/13 18:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.1	2.2	1	11/20/13 09:00	11/20/13 18:00	53-70-3	
Fluoranthene	**11.0J**	ug/kg	12.1	1.0	1	11/20/13 09:00	11/20/13 18:00	206-44-0	
Fluorene	ND	ug/kg	12.1	1.9	1	11/20/13 09:00	11/20/13 18:00	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.1	3.4	1	11/20/13 09:00	11/20/13 18:00	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.1	1.5	1	11/20/13 09:00	11/20/13 18:00	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.1	1.3	1	11/20/13 09:00	11/20/13 18:00	91-57-6	
Naphthalene	ND	ug/kg	12.1	2.8	1	11/20/13 09:00	11/20/13 18:00	91-20-3	
Phenanthrene	**4.2J**	ug/kg	12.1	1.8	1	11/20/13 09:00	11/20/13 18:00	85-01-8	
Pyrene	**9.0J**	ug/kg	12.1	2.2	1	11/20/13 09:00	11/20/13 18:00	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	25	%	10-128		1	11/20/13 09:00	11/20/13 18:00	4165-60-0	
2-Fluorobiphenyl (S)	26	%	10-110		1	11/20/13 09:00	11/20/13 18:00	321-60-8	
Terphenyl-d14 (S)	45	%	39-119		1	11/20/13 09:00	11/20/13 18:00	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**31.6J**	ug/kg	132	13.2	1		11/22/13 15:21	67-64-1	
Benzene	ND	ug/kg	6.6	2.1	1		11/22/13 15:21	71-43-2	
Bromochloromethane	ND	ug/kg	6.6	2.2	1		11/22/13 15:21	74-97-5	
Bromodichloromethane	ND	ug/kg	6.6	2.5	1		11/22/13 15:21	75-27-4	
Bromoform	ND	ug/kg	6.6	3.0	1		11/22/13 15:21	75-25-2	
Bromomethane	ND	ug/kg	13.2	3.3	1		11/22/13 15:21	74-83-9	
2-Butanone (MEK)	ND	ug/kg	132	3.8	1		11/22/13 15:21	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-23-0-1 **Lab ID: 92180022012** Collected: 11/18/13 15:05 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	13.2	4.0	1		11/22/13 15:21	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.6	3.4	1		11/22/13 15:21	56-23-5	
Chlorobenzene	ND	ug/kg	6.6	2.5	1		11/22/13 15:21	108-90-7	
Chloroethane	ND	ug/kg	13.2	3.2	1		11/22/13 15:21	75-00-3	
Chloroform	ND	ug/kg	6.6	2.1	1		11/22/13 15:21	67-66-3	
Chloromethane	ND	ug/kg	13.2	3.2	1		11/22/13 15:21	74-87-3	
Cyclohexane	ND	ug/kg	6.6	2.1	1		11/22/13 15:21	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.6	4.8	1		11/22/13 15:21	96-12-8	
Dibromochloromethane	ND	ug/kg	6.6	2.4	1		11/22/13 15:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.6	2.4	1		11/22/13 15:21	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	6.6	2.5	1		11/22/13 15:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.6	2.6	1		11/22/13 15:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.6	2.2	1		11/22/13 15:21	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	13.2	4.8	1		11/22/13 15:21	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.6	2.0	1		11/22/13 15:21	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.6	2.9	1		11/22/13 15:21	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.6	2.4	1		11/22/13 15:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.6	1.9	1		11/22/13 15:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.6	2.5	1		11/22/13 15:21	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.6	2.2	1		11/22/13 15:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	6.6	2.4	1		11/22/13 15:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.6	2.0	1		11/22/13 15:21	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	199	159	1		11/22/13 15:21	123-91-1	
Ethylbenzene	ND	ug/kg	6.6	2.4	1		11/22/13 15:21	100-41-4	
2-Hexanone	ND	ug/kg	66.2	5.2	1		11/22/13 15:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.6	2.5	1		11/22/13 15:21	98-82-8	
Methyl acetate	ND	ug/kg	13.2	1.9	1		11/22/13 15:21	79-20-9	
Methylcyclohexane	ND	ug/kg	13.2	2.0	1		11/22/13 15:21	108-87-2	
Methylene Chloride	ND	ug/kg	26.5	4.0	1		11/22/13 15:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	66.2	4.9	1		11/22/13 15:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.6	2.0	1		11/22/13 15:21	1634-04-4	
Styrene	ND	ug/kg	6.6	2.4	1		11/22/13 15:21	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.6	2.5	1		11/22/13 15:21	79-34-5	
Tetrachloroethene	ND	ug/kg	6.6	2.2	1		11/22/13 15:21	127-18-4	
Toluene	ND	ug/kg	6.6	2.4	1		11/22/13 15:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.6	2.9	1		11/22/13 15:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.6	2.1	1		11/22/13 15:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.6	2.4	1		11/22/13 15:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.6	2.8	1		11/22/13 15:21	79-00-5	
Trichloroethene	ND	ug/kg	6.6	2.8	1		11/22/13 15:21	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.6	2.9	1		11/22/13 15:21	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	6.6	2.5	1		11/22/13 15:21	76-13-1	
Vinyl chloride	ND	ug/kg	13.2	2.4	1		11/22/13 15:21	75-01-4	
m&p-Xylene	ND	ug/kg	13.2	4.8	1		11/22/13 15:21	179601-23-1	
o-Xylene	ND	ug/kg	6.6	2.5	1		11/22/13 15:21	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-23-0-1 **Lab ID: 92180022012** Collected: 11/18/13 15:05 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		11/22/13 15:21	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		11/22/13 15:21	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-132		1		11/22/13 15:21	17060-07-0	
Tentatively Identified Compounds									
Hexanal	**11.6**	ug/kg			1		11/22/13 15:21	66-25-1	N
Naphthalene, 1,3-dimethy	**19.7**	ug/kg			1		11/22/13 15:21	575-41-7	N
Hexadecane	**20.4**	ug/kg			1		11/22/13 15:21	544-76-3	N
Unknown Amine	**24.2**	ug/kg			1		11/22/13 15:21		N
Naphthalene, 1,6,7-trime	**28.5**	ug/kg			1		11/22/13 15:21	2245-38-7	N
Naphthalene, 2,3,6-trime	**33.0**	ug/kg			1		11/22/13 15:21	829-26-5	N
Naphthalene, 1,4,6-trime	**35.4**	ug/kg			1		11/22/13 15:21	2131-42-2	N
Naphthalene, 2,3,6-trime	**20.1**	ug/kg			1		11/22/13 15:21	829-26-5	N
Pentadecane	**8.8**	ug/kg			1		11/22/13 15:21	629-62-9	N
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.7**	%	0.10	0.10	1		11/22/13 14:26		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-23-9-10 **Lab ID: 92180022013** Collected: 11/18/13 15:15 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	399	206	1	11/20/13 09:55	11/23/13 20:04	98-86-2	
Atrazine	ND	ug/kg	799	157	1	11/20/13 09:55	11/23/13 20:04	1912-24-9	
Benzaldehyde	ND	ug/kg	799	399	1	11/20/13 09:55	11/23/13 20:04	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	399	126	1	11/20/13 09:55	11/23/13 20:04	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	399	72.6	1	11/20/13 09:55	11/23/13 20:04	101-55-3	
Butylbenzylphthalate	ND	ug/kg	399	84.7	1	11/20/13 09:55	11/23/13 20:04	85-68-7	
Caprolactam	ND	ug/kg	399	69.0	1	11/20/13 09:55	11/23/13 20:04	105-60-2	
Carbazole	ND	ug/kg	399	76.2	1	11/20/13 09:55	11/23/13 20:04	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	799	82.3	1	11/20/13 09:55	11/23/13 20:04	59-50-7	
4-Chloroaniline	ND	ug/kg	2000	111	1	11/20/13 09:55	11/23/13 20:04	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	399	93.2	1	11/20/13 09:55	11/23/13 20:04	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	399	102	1	11/20/13 09:55	11/23/13 20:04	111-44-4	
2-Chloronaphthalene	ND	ug/kg	399	78.6	1	11/20/13 09:55	11/23/13 20:04	91-58-7	
2-Chlorophenol	ND	ug/kg	399	109	1	11/20/13 09:55	11/23/13 20:04	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	399	82.3	1	11/20/13 09:55	11/23/13 20:04	7005-72-3	
Dibenzofuran	ND	ug/kg	399	65.3	1	11/20/13 09:55	11/23/13 20:04	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2000	87.1	1	11/20/13 09:55	11/23/13 20:04	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	399	87.1	1	11/20/13 09:55	11/23/13 20:04	120-83-2	
Diethylphthalate	ND	ug/kg	399	61.7	1	11/20/13 09:55	11/23/13 20:04	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	399	157	1	11/20/13 09:55	11/23/13 20:04	105-67-9	
Dimethylphthalate	ND	ug/kg	399	81.1	1	11/20/13 09:55	11/23/13 20:04	131-11-3	
Di-n-butylphthalate	ND	ug/kg	399	65.3	1	11/20/13 09:55	11/23/13 20:04	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	799	79.9	1	11/20/13 09:55	11/23/13 20:04	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2000	65.3	1	11/20/13 09:55	11/23/13 20:04	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	399	75.0	1	11/20/13 09:55	11/23/13 20:04	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	399	83.5	1	11/20/13 09:55	11/23/13 20:04	606-20-2	
Di-n-octylphthalate	ND	ug/kg	399	83.5	1	11/20/13 09:55	11/23/13 20:04	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	399	109	1	11/20/13 09:55	11/23/13 20:04	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	399	69.0	1	11/20/13 09:55	11/23/13 20:04	87-68-3	
Hexachlorobenzene	ND	ug/kg	399	50.8	1	11/20/13 09:55	11/23/13 20:04	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	399	73.8	1	11/20/13 09:55	11/23/13 20:04	77-47-4	
Hexachloroethane	ND	ug/kg	399	105	1	11/20/13 09:55	11/23/13 20:04	67-72-1	
Isophorone	ND	ug/kg	399	89.5	1	11/20/13 09:55	11/23/13 20:04	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	399	121	1	11/20/13 09:55	11/23/13 20:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	399	157	1	11/20/13 09:55	11/23/13 20:04		
2-Nitroaniline	ND	ug/kg	2000	123	1	11/20/13 09:55	11/23/13 20:04	88-74-4	
3-Nitroaniline	ND	ug/kg	2000	109	1	11/20/13 09:55	11/23/13 20:04	99-09-2	
4-Nitroaniline	ND	ug/kg	799	113	1	11/20/13 09:55	11/23/13 20:04	100-01-6	
Nitrobenzene	ND	ug/kg	399	109	1	11/20/13 09:55	11/23/13 20:04	98-95-3	
2-Nitrophenol	ND	ug/kg	399	96.8	1	11/20/13 09:55	11/23/13 20:04	88-75-5	
4-Nitrophenol	ND	ug/kg	2000	71.4	1	11/20/13 09:55	11/23/13 20:04	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	399	76.2	1	11/20/13 09:55	11/23/13 20:04	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	399	119	1	11/20/13 09:55	11/23/13 20:04	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	399	106	1	11/20/13 09:55	11/23/13 20:04	108-60-1	
Pentachlorophenol	ND	ug/kg	2000	72.6	1	11/20/13 09:55	11/23/13 20:04	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-23-9-10 **Lab ID: 92180022013** Collected: 11/18/13 15:15 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	399	120	1	11/20/13 09:55	11/23/13 20:04	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	399	145	1	11/20/13 09:55	11/23/13 20:04	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	399	157	1	11/20/13 09:55	11/23/13 20:04	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	399	123	1	11/20/13 09:55	11/23/13 20:04	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	399	88.3	1	11/20/13 09:55	11/23/13 20:04	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	48	%	30-110		1	11/20/13 09:55	11/23/13 20:04	321-60-8	
Terphenyl-d14 (S)	53	%	28-110		1	11/20/13 09:55	11/23/13 20:04	1718-51-0	
Phenol-d6 (S)	21	%	22-110		1	11/20/13 09:55	11/23/13 20:04	13127-88-3	S1
2-Fluorophenol (S)	21	%	13-110		1	11/20/13 09:55	11/23/13 20:04	367-12-4	
2,4,6-Tribromophenol (S)	25	%	27-110		1	11/20/13 09:55	11/23/13 20:04	118-79-6	S1
Nitrobenzene-d5 (S)	49	%	23-110		1	11/20/13 09:55	11/23/13 20:04	4165-60-0	
Tentatively Identified Compounds									
Unknown	**317**	ug/kg			1	11/20/13 09:55	11/23/13 20:04		N
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.1	1.8	1	11/20/13 09:00	11/20/13 18:20	83-32-9	
Acenaphthylene	ND	ug/kg	12.1	1.6	1	11/20/13 09:00	11/20/13 18:20	208-96-8	
Anthracene	ND	ug/kg	12.1	1.7	1	11/20/13 09:00	11/20/13 18:20	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.1	0.86	1	11/20/13 09:00	11/20/13 18:20	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.1	1.3	1	11/20/13 09:00	11/20/13 18:20	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.1	0.81	1	11/20/13 09:00	11/20/13 18:20	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.1	3.1	1	11/20/13 09:00	11/20/13 18:20	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.1	1.8	1	11/20/13 09:00	11/20/13 18:20	207-08-9	
Chrysene	ND	ug/kg	12.1	2.2	1	11/20/13 09:00	11/20/13 18:20	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.1	2.2	1	11/20/13 09:00	11/20/13 18:20	53-70-3	
Fluoranthene	ND	ug/kg	12.1	1.0	1	11/20/13 09:00	11/20/13 18:20	206-44-0	
Fluorene	ND	ug/kg	12.1	1.9	1	11/20/13 09:00	11/20/13 18:20	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.1	3.4	1	11/20/13 09:00	11/20/13 18:20	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.1	1.5	1	11/20/13 09:00	11/20/13 18:20	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.1	1.3	1	11/20/13 09:00	11/20/13 18:20	91-57-6	
Naphthalene	ND	ug/kg	12.1	2.8	1	11/20/13 09:00	11/20/13 18:20	91-20-3	
Phenanthrene	ND	ug/kg	12.1	1.8	1	11/20/13 09:00	11/20/13 18:20	85-01-8	
Pyrene	ND	ug/kg	12.1	2.2	1	11/20/13 09:00	11/20/13 18:20	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	53	%	10-128		1	11/20/13 09:00	11/20/13 18:20	4165-60-0	
2-Fluorobiphenyl (S)	57	%	10-110		1	11/20/13 09:00	11/20/13 18:20	321-60-8	
Terphenyl-d14 (S)	74	%	39-119		1	11/20/13 09:00	11/20/13 18:20	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**13.6J**	ug/kg	116	11.6	1		11/22/13 15:41	67-64-1	
Benzene	ND	ug/kg	5.8	1.9	1		11/22/13 15:41	71-43-2	
Bromochloromethane	ND	ug/kg	5.8	2.0	1		11/22/13 15:41	74-97-5	
Bromodichloromethane	ND	ug/kg	5.8	2.2	1		11/22/13 15:41	75-27-4	
Bromoform	ND	ug/kg	5.8	2.7	1		11/22/13 15:41	75-25-2	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-23-9-10 **Lab ID: 92180022013** Collected: 11/18/13 15:15 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Bromomethane	ND	ug/kg	11.6	2.9	1		11/22/13 15:41	74-83-9	
2-Butanone (MEK)	ND	ug/kg	116	3.4	1		11/22/13 15:41	78-93-3	
Carbon disulfide	ND	ug/kg	11.6	3.5	1		11/22/13 15:41	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.8	3.0	1		11/22/13 15:41	56-23-5	
Chlorobenzene	ND	ug/kg	5.8	2.2	1		11/22/13 15:41	108-90-7	
Chloroethane	ND	ug/kg	11.6	2.8	1		11/22/13 15:41	75-00-3	
Chloroform	ND	ug/kg	5.8	1.9	1		11/22/13 15:41	67-66-3	
Chloromethane	ND	ug/kg	11.6	2.8	1		11/22/13 15:41	74-87-3	
Cyclohexane	ND	ug/kg	5.8	1.9	1		11/22/13 15:41	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.8	4.2	1		11/22/13 15:41	96-12-8	
Dibromochloromethane	ND	ug/kg	5.8	2.1	1		11/22/13 15:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.8	2.1	1		11/22/13 15:41	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.8	2.2	1		11/22/13 15:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.8	2.3	1		11/22/13 15:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.8	2.0	1		11/22/13 15:41	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.6	4.2	1		11/22/13 15:41	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.8	1.7	1		11/22/13 15:41	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.8	2.6	1		11/22/13 15:41	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.8	2.1	1		11/22/13 15:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.8	1.6	1		11/22/13 15:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.8	2.2	1		11/22/13 15:41	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.8	2.0	1		11/22/13 15:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.8	2.1	1		11/22/13 15:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.8	1.7	1		11/22/13 15:41	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	174	139	1		11/22/13 15:41	123-91-1	
Ethylbenzene	ND	ug/kg	5.8	2.1	1		11/22/13 15:41	100-41-4	
2-Hexanone	ND	ug/kg	58.1	4.5	1		11/22/13 15:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.8	2.2	1		11/22/13 15:41	98-82-8	
Methyl acetate	ND	ug/kg	11.6	1.6	1		11/22/13 15:41	79-20-9	
Methylcyclohexane	ND	ug/kg	11.6	1.7	1		11/22/13 15:41	108-87-2	
Methylene Chloride	**3.8J**	ug/kg	23.2	3.5	1		11/22/13 15:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	58.1	4.3	1		11/22/13 15:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.8	1.7	1		11/22/13 15:41	1634-04-4	
Styrene	ND	ug/kg	5.8	2.1	1		11/22/13 15:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.8	2.2	1		11/22/13 15:41	79-34-5	
Tetrachloroethene	ND	ug/kg	5.8	2.0	1		11/22/13 15:41	127-18-4	
Toluene	ND	ug/kg	5.8	2.1	1		11/22/13 15:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.8	2.6	1		11/22/13 15:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.8	1.9	1		11/22/13 15:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.8	2.1	1		11/22/13 15:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.8	2.4	1		11/22/13 15:41	79-00-5	
Trichloroethene	ND	ug/kg	5.8	2.4	1		11/22/13 15:41	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.8	2.6	1		11/22/13 15:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.8	2.2	1		11/22/13 15:41	76-13-1	
Vinyl chloride	ND	ug/kg	11.6	2.1	1		11/22/13 15:41	75-01-4	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-23-9-10 **Lab ID: 92180022013** Collected: 11/18/13 15:15 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
m&p-Xylene	ND	ug/kg	11.6	4.2	1		11/22/13 15:41	179601-23-1	
o-Xylene	ND	ug/kg	5.8	2.2	1		11/22/13 15:41	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/22/13 15:41	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		11/22/13 15:41	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-132		1		11/22/13 15:41	17060-07-0	
Tentatively Identified Compounds									
Unknown Amine	**8.6**	ug/kg			1		11/22/13 15:41		N
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.3**	%	0.10	0.10	1		11/22/13 14:26		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-23-14-15 **Lab ID: 92180022014** Collected: 11/18/13 15:25 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	361	186	1	11/20/13 09:55	11/23/13 20:35	98-86-2	
Atrazine	ND	ug/kg	722	142	1	11/20/13 09:55	11/23/13 20:35	1912-24-9	
Benzaldehyde	ND	ug/kg	722	361	1	11/20/13 09:55	11/23/13 20:35	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	361	114	1	11/20/13 09:55	11/23/13 20:35	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	361	65.6	1	11/20/13 09:55	11/23/13 20:35	101-55-3	
Butylbenzylphthalate	ND	ug/kg	361	76.6	1	11/20/13 09:55	11/23/13 20:35	85-68-7	
Caprolactam	ND	ug/kg	361	62.4	1	11/20/13 09:55	11/23/13 20:35	105-60-2	
Carbazole	ND	ug/kg	361	68.9	1	11/20/13 09:55	11/23/13 20:35	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	722	74.4	1	11/20/13 09:55	11/23/13 20:35	59-50-7	
4-Chloroaniline	ND	ug/kg	1810	101	1	11/20/13 09:55	11/23/13 20:35	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	361	84.2	1	11/20/13 09:55	11/23/13 20:35	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	361	91.9	1	11/20/13 09:55	11/23/13 20:35	111-44-4	
2-Chloronaphthalene	ND	ug/kg	361	71.1	1	11/20/13 09:55	11/23/13 20:35	91-58-7	
2-Chlorophenol	ND	ug/kg	361	98.5	1	11/20/13 09:55	11/23/13 20:35	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	361	74.4	1	11/20/13 09:55	11/23/13 20:35	7005-72-3	
Dibenzofuran	ND	ug/kg	361	59.1	1	11/20/13 09:55	11/23/13 20:35	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1810	78.8	1	11/20/13 09:55	11/23/13 20:35	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	361	78.8	1	11/20/13 09:55	11/23/13 20:35	120-83-2	
Diethylphthalate	ND	ug/kg	361	55.8	1	11/20/13 09:55	11/23/13 20:35	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	361	142	1	11/20/13 09:55	11/23/13 20:35	105-67-9	
Dimethylphthalate	ND	ug/kg	361	73.3	1	11/20/13 09:55	11/23/13 20:35	131-11-3	
Di-n-butylphthalate	ND	ug/kg	361	59.1	1	11/20/13 09:55	11/23/13 20:35	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	722	72.2	1	11/20/13 09:55	11/23/13 20:35	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1810	59.1	1	11/20/13 09:55	11/23/13 20:35	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	361	67.8	1	11/20/13 09:55	11/23/13 20:35	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	361	75.5	1	11/20/13 09:55	11/23/13 20:35	606-20-2	
Di-n-octylphthalate	ND	ug/kg	361	75.5	1	11/20/13 09:55	11/23/13 20:35	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	361	98.5	1	11/20/13 09:55	11/23/13 20:35	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	361	62.4	1	11/20/13 09:55	11/23/13 20:35	87-68-3	
Hexachlorobenzene	ND	ug/kg	361	46.0	1	11/20/13 09:55	11/23/13 20:35	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	361	66.7	1	11/20/13 09:55	11/23/13 20:35	77-47-4	
Hexachloroethane	ND	ug/kg	361	95.2	1	11/20/13 09:55	11/23/13 20:35	67-72-1	
Isophorone	ND	ug/kg	361	81.0	1	11/20/13 09:55	11/23/13 20:35	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	361	109	1	11/20/13 09:55	11/23/13 20:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	361	142	1	11/20/13 09:55	11/23/13 20:35		
2-Nitroaniline	ND	ug/kg	1810	112	1	11/20/13 09:55	11/23/13 20:35	88-74-4	
3-Nitroaniline	ND	ug/kg	1810	98.5	1	11/20/13 09:55	11/23/13 20:35	99-09-2	
4-Nitroaniline	ND	ug/kg	722	102	1	11/20/13 09:55	11/23/13 20:35	100-01-6	
Nitrobenzene	ND	ug/kg	361	98.5	1	11/20/13 09:55	11/23/13 20:35	98-95-3	
2-Nitrophenol	ND	ug/kg	361	87.5	1	11/20/13 09:55	11/23/13 20:35	88-75-5	
4-Nitrophenol	ND	ug/kg	1810	64.5	1	11/20/13 09:55	11/23/13 20:35	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	361	68.9	1	11/20/13 09:55	11/23/13 20:35	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	361	107	1	11/20/13 09:55	11/23/13 20:35	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	361	96.3	1	11/20/13 09:55	11/23/13 20:35	108-60-1	
Pentachlorophenol	ND	ug/kg	1810	65.6	1	11/20/13 09:55	11/23/13 20:35	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-23-14-15 **Lab ID: 92180022014** Collected: 11/18/13 15:25 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	361	108	1	11/20/13 09:55	11/23/13 20:35	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	361	131	1	11/20/13 09:55	11/23/13 20:35	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	361	142	1	11/20/13 09:55	11/23/13 20:35	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	361	112	1	11/20/13 09:55	11/23/13 20:35	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	361	79.9	1	11/20/13 09:55	11/23/13 20:35	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	59	%	30-110		1	11/20/13 09:55	11/23/13 20:35	321-60-8	
Terphenyl-d14 (S)	69	%	28-110		1	11/20/13 09:55	11/23/13 20:35	1718-51-0	
Phenol-d6 (S)	52	%	22-110		1	11/20/13 09:55	11/23/13 20:35	13127-88-3	
2-Fluorophenol (S)	55	%	13-110		1	11/20/13 09:55	11/23/13 20:35	367-12-4	
2,4,6-Tribromophenol (S)	76	%	27-110		1	11/20/13 09:55	11/23/13 20:35	118-79-6	
Nitrobenzene-d5 (S)	52	%	23-110		1	11/20/13 09:55	11/23/13 20:35	4165-60-0	
Tentatively Identified Compounds									
Pentadecane	**370**	ug/kg			1	11/20/13 09:55	11/23/13 20:35	629-62-9	N
Hexadecane	**360**	ug/kg			1	11/20/13 09:55	11/23/13 20:35	544-76-3	N
Pentadecane, 2,6,10,14-	**288**	ug/kg			1	11/20/13 09:55	11/23/13 20:35	1921-70-6	N
2-Bromo dodecane	**391**	ug/kg			1	11/20/13 09:55	11/23/13 20:35	13187-99-0	N
Eicosane	**274**	ug/kg			1	11/20/13 09:55	11/23/13 20:35	112-95-8	N
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	10.9	1.6	1	11/20/13 09:00	11/20/13 18:40	83-32-9	
Acenaphthylene	ND	ug/kg	10.9	1.4	1	11/20/13 09:00	11/20/13 18:40	208-96-8	
Anthracene	ND	ug/kg	10.9	1.5	1	11/20/13 09:00	11/20/13 18:40	120-12-7	
Benzo(a)anthracene	ND	ug/kg	10.9	0.78	1	11/20/13 09:00	11/20/13 18:40	56-55-3	
Benzo(a)pyrene	ND	ug/kg	10.9	1.2	1	11/20/13 09:00	11/20/13 18:40	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	10.9	0.73	1	11/20/13 09:00	11/20/13 18:40	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	10.9	2.8	1	11/20/13 09:00	11/20/13 18:40	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	10.9	1.6	1	11/20/13 09:00	11/20/13 18:40	207-08-9	
Chrysene	ND	ug/kg	10.9	2.0	1	11/20/13 09:00	11/20/13 18:40	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	10.9	2.0	1	11/20/13 09:00	11/20/13 18:40	53-70-3	
Fluoranthene	ND	ug/kg	10.9	0.91	1	11/20/13 09:00	11/20/13 18:40	206-44-0	
Fluorene	**1.9J**	ug/kg	10.9	1.8	1	11/20/13 09:00	11/20/13 18:40	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	10.9	3.1	1	11/20/13 09:00	11/20/13 18:40	193-39-5	
1-Methylnaphthalene	ND	ug/kg	10.9	1.3	1	11/20/13 09:00	11/20/13 18:40	90-12-0	
2-Methylnaphthalene	ND	ug/kg	10.9	1.2	1	11/20/13 09:00	11/20/13 18:40	91-57-6	
Naphthalene	ND	ug/kg	10.9	2.5	1	11/20/13 09:00	11/20/13 18:40	91-20-3	
Phenanthrene	**26.3**	ug/kg	10.9	1.6	1	11/20/13 09:00	11/20/13 18:40	85-01-8	
Pyrene	ND	ug/kg	10.9	2.0	1	11/20/13 09:00	11/20/13 18:40	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	48	%	10-128		1	11/20/13 09:00	11/20/13 18:40	4165-60-0	
2-Fluorobiphenyl (S)	59	%	10-110		1	11/20/13 09:00	11/20/13 18:40	321-60-8	
Terphenyl-d14 (S)	78	%	39-119		1	11/20/13 09:00	11/20/13 18:40	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	108	10.8	1		11/22/13 16:00	67-64-1	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-23-14-15 **Lab ID: 92180022014** Collected: 11/18/13 15:25 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Benzene	ND	ug/kg	5.4	1.7	1		11/22/13 16:00	71-43-2	
Bromochloromethane	ND	ug/kg	5.4	1.8	1		11/22/13 16:00	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	2.1	1		11/22/13 16:00	75-27-4	
Bromoform	ND	ug/kg	5.4	2.5	1		11/22/13 16:00	75-25-2	
Bromomethane	ND	ug/kg	10.8	2.7	1		11/22/13 16:00	74-83-9	
2-Butanone (MEK)	ND	ug/kg	108	3.1	1		11/22/13 16:00	78-93-3	
Carbon disulfide	ND	ug/kg	10.8	3.2	1		11/22/13 16:00	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.4	2.8	1		11/22/13 16:00	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	2.1	1		11/22/13 16:00	108-90-7	
Chloroethane	ND	ug/kg	10.8	2.6	1		11/22/13 16:00	75-00-3	
Chloroform	ND	ug/kg	5.4	1.7	1		11/22/13 16:00	67-66-3	
Chloromethane	ND	ug/kg	10.8	2.6	1		11/22/13 16:00	74-87-3	
Cyclohexane	ND	ug/kg	5.4	1.7	1		11/22/13 16:00	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.4	3.9	1		11/22/13 16:00	96-12-8	
Dibromochloromethane	ND	ug/kg	5.4	1.9	1		11/22/13 16:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	1.9	1		11/22/13 16:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.4	2.1	1		11/22/13 16:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	2.2	1		11/22/13 16:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	1.8	1		11/22/13 16:00	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.8	3.9	1		11/22/13 16:00	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.4	1.6	1		11/22/13 16:00	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	2.4	1		11/22/13 16:00	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.4	1.9	1		11/22/13 16:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1.5	1		11/22/13 16:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	2.1	1		11/22/13 16:00	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1.8	1		11/22/13 16:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1.9	1		11/22/13 16:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1.6	1		11/22/13 16:00	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	162	130	1		11/22/13 16:00	123-91-1	
Ethylbenzene	ND	ug/kg	5.4	1.9	1		11/22/13 16:00	100-41-4	
2-Hexanone	ND	ug/kg	54.2	4.2	1		11/22/13 16:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	2.1	1		11/22/13 16:00	98-82-8	
Methyl acetate	**4.7J**	ug/kg	10.8	1.5	1		11/22/13 16:00	79-20-9	
Methylcyclohexane	ND	ug/kg	10.8	1.6	1		11/22/13 16:00	108-87-2	
Methylene Chloride	ND	ug/kg	21.7	3.2	1		11/22/13 16:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	54.2	4.0	1		11/22/13 16:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	1.6	1		11/22/13 16:00	1634-04-4	
Styrene	ND	ug/kg	5.4	1.9	1		11/22/13 16:00	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	2.1	1		11/22/13 16:00	79-34-5	
Tetrachloroethene	ND	ug/kg	5.4	1.8	1		11/22/13 16:00	127-18-4	
Toluene	ND	ug/kg	5.4	1.9	1		11/22/13 16:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	2.4	1		11/22/13 16:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1.7	1		11/22/13 16:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.4	1.9	1		11/22/13 16:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	2.3	1		11/22/13 16:00	79-00-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Sample: CTS-SB-23-14-15 **Lab ID: 92180022014** Collected: 11/18/13 15:25 Received: 11/19/13 12:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Trichloroethene	ND	ug/kg	5.4	2.3	1		11/22/13 16:00	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.4	2.4	1		11/22/13 16:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.4	2.1	1		11/22/13 16:00	76-13-1	
Vinyl chloride	ND	ug/kg	10.8	1.9	1		11/22/13 16:00	75-01-4	
m&p-Xylene	ND	ug/kg	10.8	3.9	1		11/22/13 16:00	179601-23-1	
o-Xylene	ND	ug/kg	5.4	2.1	1		11/22/13 16:00	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		11/22/13 16:00	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		11/22/13 16:00	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-132		1		11/22/13 16:00	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.6**	%	0.10	0.10	1		11/22/13 14:27		

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

QC Batch: MSV/24990 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92180022001, 92180022002, 92180022003, 92180022004, 92180022005, 92180022006, 92180022007, 92180022008, 92180022009, 92180022010, 92180022011

METHOD BLANK: 1091640 Matrix: Solid
Associated Lab Samples: 92180022001, 92180022002, 92180022003, 92180022004, 92180022005, 92180022006, 92180022007, 92180022008, 92180022009, 92180022010, 92180022011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.2	11/21/13 21:49	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.2	11/21/13 21:49	
1,1,2-Trichloroethane	ug/kg	ND	5.2	11/21/13 21:49	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	5.2	11/21/13 21:49	
1,1-Dichloroethane	ug/kg	ND	5.2	11/21/13 21:49	
1,1-Dichloroethene	ug/kg	ND	5.2	11/21/13 21:49	
1,2,3-Trichlorobenzene	ug/kg	ND	5.2	11/21/13 21:49	
1,2,4-Trichlorobenzene	ug/kg	ND	5.2	11/21/13 21:49	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.2	11/21/13 21:49	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.2	11/21/13 21:49	
1,2-Dichlorobenzene	ug/kg	ND	5.2	11/21/13 21:49	
1,2-Dichloroethane	ug/kg	ND	5.2	11/21/13 21:49	
1,2-Dichloropropane	ug/kg	ND	5.2	11/21/13 21:49	
1,3-Dichlorobenzene	ug/kg	ND	5.2	11/21/13 21:49	
1,4-Dichlorobenzene	ug/kg	ND	5.2	11/21/13 21:49	
1,4-Dioxane (p-Dioxane)	ug/kg	ND	155	11/21/13 21:49	
2-Butanone (MEK)	ug/kg	ND	103	11/21/13 21:49	
2-Hexanone	ug/kg	ND	51.7	11/21/13 21:49	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	51.7	11/21/13 21:49	
Acetone	ug/kg	ND	103	11/21/13 21:49	
Benzene	ug/kg	ND	5.2	11/21/13 21:49	
Bromochloromethane	ug/kg	ND	5.2	11/21/13 21:49	
Bromodichloromethane	ug/kg	ND	5.2	11/21/13 21:49	
Bromoform	ug/kg	ND	5.2	11/21/13 21:49	
Bromomethane	ug/kg	ND	10.3	11/21/13 21:49	
Carbon disulfide	ug/kg	ND	10.3	11/21/13 21:49	
Carbon tetrachloride	ug/kg	ND	5.2	11/21/13 21:49	
Chlorobenzene	ug/kg	ND	5.2	11/21/13 21:49	
Chloroethane	ug/kg	ND	10.3	11/21/13 21:49	
Chloroform	ug/kg	ND	5.2	11/21/13 21:49	
Chloromethane	ug/kg	ND	10.3	11/21/13 21:49	
cis-1,2-Dichloroethene	ug/kg	ND	5.2	11/21/13 21:49	
cis-1,3-Dichloropropene	ug/kg	ND	5.2	11/21/13 21:49	
Cyclohexane	ug/kg	ND	5.2	11/21/13 21:49	
Dibromochloromethane	ug/kg	ND	5.2	11/21/13 21:49	
Dichlorodifluoromethane	ug/kg	ND	10.3	11/21/13 21:49	
Ethylbenzene	ug/kg	ND	5.2	11/21/13 21:49	
Isopropylbenzene (Cumene)	ug/kg	ND	5.2	11/21/13 21:49	
m&p-Xylene	ug/kg	ND	10.3	11/21/13 21:49	
Methyl acetate	ug/kg	ND	10.3	11/21/13 21:49	
Methyl-tert-butyl ether	ug/kg	ND	5.2	11/21/13 21:49	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

METHOD BLANK: 1091640 Matrix: Solid

Associated Lab Samples: 92180022001, 92180022002, 92180022003, 92180022004, 92180022005, 92180022006, 92180022007, 92180022008, 92180022009, 92180022010, 92180022011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methylcyclohexane	ug/kg	ND	10.3	11/21/13 21:49	
Methylene Chloride	ug/kg	ND	20.7	11/21/13 21:49	
o-Xylene	ug/kg	ND	5.2	11/21/13 21:49	
Styrene	ug/kg	ND	5.2	11/21/13 21:49	
Tetrachloroethene	ug/kg	ND	5.2	11/21/13 21:49	
Toluene	ug/kg	ND	5.2	11/21/13 21:49	
trans-1,2-Dichloroethene	ug/kg	ND	5.2	11/21/13 21:49	
trans-1,3-Dichloropropene	ug/kg	ND	5.2	11/21/13 21:49	
Trichloroethene	ug/kg	ND	5.2	11/21/13 21:49	
Trichlorofluoromethane	ug/kg	ND	5.2	11/21/13 21:49	
Vinyl chloride	ug/kg	ND	10.3	11/21/13 21:49	
1,2-Dichloroethane-d4 (S)	%	102	70-132	11/21/13 21:49	
4-Bromofluorobenzene (S)	%	99	70-130	11/21/13 21:49	
Toluene-d8 (S)	%	100	70-130	11/21/13 21:49	

LABORATORY CONTROL SAMPLE: 1091641

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50.9	50.6	99	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	50.9	57.8	113	70-130	
1,1,2-Trichloroethane	ug/kg	50.9	59.8	118	70-132	
1,1,2-Trichlorotrifluoroethane	ug/kg	50.9	54.1	106	70-130	
1,1-Dichloroethane	ug/kg	50.9	50.4	99	70-143	
1,1-Dichloroethene	ug/kg	50.9	48.0	94	70-137	
1,2,3-Trichlorobenzene	ug/kg	50.9	58.2	114	69-153	
1,2,4-Trichlorobenzene	ug/kg	50.9	57.6	113	55-171	
1,2-Dibromo-3-chloropropane	ug/kg	50.9	58.1	114	68-141	
1,2-Dibromoethane (EDB)	ug/kg	50.9	58.6	115	70-130	
1,2-Dichlorobenzene	ug/kg	50.9	58.4	115	70-140	
1,2-Dichloroethane	ug/kg	50.9	54.0	106	70-137	
1,2-Dichloropropane	ug/kg	50.9	58.6	115	70-133	
1,3-Dichlorobenzene	ug/kg	50.9	55.4	109	70-144	
1,4-Dichlorobenzene	ug/kg	50.9	56.5	111	70-142	
1,4-Dioxane (p-Dioxane)	ug/kg	1020	1300	127	70-130	
2-Butanone (MEK)	ug/kg	102	117	114	70-149	
2-Hexanone	ug/kg	102	125	123	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	102	121	119	70-153	
Acetone	ug/kg	102	107	105	70-157	
Benzene	ug/kg	50.9	53.2	104	70-130	
Bromochloromethane	ug/kg	50.9	53.1	104	70-149	
Bromodichloromethane	ug/kg	50.9	56.6	111	70-130	
Bromoform	ug/kg	50.9	60.1	118	70-131	
Bromomethane	ug/kg	50.9	46.0	90	64-136	
Carbon disulfide	ug/kg	50.9	49.0	96	70-130	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

LABORATORY CONTROL SAMPLE: 1091641

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	50.9	49.1	96	70-154	
Chlorobenzene	ug/kg	50.9	52.9	104	70-135	
Chloroethane	ug/kg	50.9	46.8	92	68-151	
Chloroform	ug/kg	50.9	50.0	98	70-130	
Chloromethane	ug/kg	50.9	44.3	87	70-132	
cis-1,2-Dichloroethene	ug/kg	50.9	51.3	101	70-140	
cis-1,3-Dichloropropene	ug/kg	50.9	61.2	120	70-137	
Cyclohexane	ug/kg	50.9	54.9	108	70-130	
Dibromochloromethane	ug/kg	50.9	58.9	116	70-130	
Dichlorodifluoromethane	ug/kg	50.9	47.3	93	36-148	
Ethylbenzene	ug/kg	50.9	52.7	103	70-137	
Isopropylbenzene (Cumene)	ug/kg	50.9	57.7	113	70-141	
m&p-Xylene	ug/kg	102	110	108	70-140	
Methyl acetate	ug/kg	50.9	39.0	77	70-130	
Methyl-tert-butyl ether	ug/kg	50.9	56.5	111	45-150	
Methylcyclohexane	ug/kg	50.9	59.5	117	70-130	
Methylene Chloride	ug/kg	50.9	50.1	98	70-133	
o-Xylene	ug/kg	50.9	57.3	112	70-141	
Styrene	ug/kg	50.9	56.8	112	70-138	
Tetrachloroethene	ug/kg	50.9	51.4	101	70-140	
Toluene	ug/kg	50.9	52.7	104	70-130	
trans-1,2-Dichloroethene	ug/kg	50.9	47.3	93	70-136	
trans-1,3-Dichloropropene	ug/kg	50.9	66.6	131	70-138	F3
Trichloroethene	ug/kg	50.9	51.9	102	70-132	
Trichlorofluoromethane	ug/kg	50.9	44.5	87	69-134	
Vinyl chloride	ug/kg	50.9	40.8	80	55-140	
1,2-Dichloroethane-d4 (S)	%			95	70-132	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1091642 1091643

Parameter	Units	92180022010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	ND	58.6	54.7	58.8	49.9	100	91	70-130	16	30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	58.6	54.7	68.5	61.1	117	112	70-130	11	30	
1,1,2-Trichloroethane	ug/kg	ND	58.6	54.7	70.1	61.4	120	112	70-130	13	30	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	58.6	54.7	69.0	56.8	118	104	70-130	19	30	
1,1-Dichloroethane	ug/kg	ND	58.6	54.7	58.7	49.9	100	91	70-130	16	30	
1,1-Dichloroethene	ug/kg	ND	58.6	54.7	58.9	48.8	101	89	49-180	19	30	
1,2,3-Trichlorobenzene	ug/kg	ND	58.6	54.7	66.2	59.5	113	109	70-130	11	30	
1,2,4-Trichlorobenzene	ug/kg	ND	58.6	54.7	63.3	55.2	108	101	70-130	14	30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	58.6	54.7	70.1	60.6	120	111	70-130	15	30	
1,2-Dibromoethane (EDB)	ug/kg	ND	58.6	54.7	69.3	61.0	118	112	70-130	13	30	
1,2-Dichlorobenzene	ug/kg	ND	58.6	54.7	68.3	61.6	117	113	70-130	10	30	
1,2-Dichloroethane	ug/kg	ND	58.6	54.7	65.4	57.8	112	106	70-130	12	30	
1,2-Dichloropropane	ug/kg	ND	58.6	54.7	67.7	58.6	115	107	70-130	14	30	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1091642 1091643

Parameter	Units	92180022010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3-Dichlorobenzene	ug/kg	ND	58.6	54.7	64.5	57.2	110	104	70-130	12	30	
1,4-Dichlorobenzene	ug/kg	ND	58.6	54.7	64.1	58.1	109	106	70-130	10	30	
1,4-Dioxane (p-Dioxane)	ug/kg	ND	1170	1090	1350	1060	115	97	70-130	24	30	
2-Butanone (MEK)	ug/kg	19.5J	117	109	151	124	113	96	70-130	20	30	
2-Hexanone	ug/kg	4.7J	117	109	150	135	124	119	70-130	10	30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	117	109	144	128	123	117	70-130	12	30	
Acetone	ug/kg	43.1J	117	109	166	129	105	78	70-130	25	30	
Benzene	ug/kg	ND	58.6	54.7	61.5	52.2	105	95	50-166	16	30	
Bromochloromethane	ug/kg	ND	58.6	54.7	65.1	54.9	111	100	70-130	17	30	
Bromodichloromethane	ug/kg	ND	58.6	54.7	64.2	57.9	110	106	70-130	10	30	
Bromoform	ug/kg	ND	58.6	54.7	70.4	65.3	120	119	70-130	8	30	
Bromomethane	ug/kg	ND	58.6	54.7	55.8	50.2	95	92	70-130	11	30	
Carbon disulfide	ug/kg	ND	58.6	54.7	60.7	50.2	104	92	70-130	19	30	
Carbon tetrachloride	ug/kg	ND	58.6	54.7	57.1	47.4	98	87	70-130	19	30	
Chlorobenzene	ug/kg	ND	58.6	54.7	61.9	54.6	106	100	43-169	13	30	
Chloroethane	ug/kg	ND	58.6	54.7	54.7	46.5	93	85	70-130	16	30	
Chloroform	ug/kg	ND	58.6	54.7	61.5	51.7	105	94	70-130	17	30	
Chloromethane	ug/kg	ND	58.6	54.7	47.8	44.6	82	82	70-130	7	30	
cis-1,2-Dichloroethene	ug/kg	ND	58.6	54.7	62.0	51.2	106	94	70-130	19	30	
cis-1,3-Dichloropropene	ug/kg	ND	58.6	54.7	69.2	60.0	118	110	70-130	14	30	
Cyclohexane	ug/kg	ND	58.6	54.7	63.0	55.6	108	102	70-130	12	30	
Dibromochloromethane	ug/kg	ND	58.6	54.7	68.6	60.6	117	111	70-130	12	30	
Dichlorodifluoromethane	ug/kg	ND	58.6	54.7	61.4	49.2	105	90	70-130	22	30	
Ethylbenzene	ug/kg	ND	58.6	54.7	61.2	54.4	104	100	70-130	12	30	
Isopropylbenzene (Cumene)	ug/kg	ND	58.6	54.7	65.8	58.0	112	106	70-130	13	30	
m&p-Xylene	ug/kg	ND	117	109	126	113	108	103	70-130	11	30	
Methyl acetate	ug/kg	ND	58.6	54.7	31.2	24.5	53	45	70-130	24	30	M1
Methyl-tert-butyl ether	ug/kg	ND	58.6	54.7	69.1	58.7	118	107	70-130	16	30	
Methylcyclohexane	ug/kg	ND	58.6	54.7	69.3	60.7	118	111	70-130	13	30	
Methylene Chloride	ug/kg	ND	58.6	54.7	65.3	54.7	112	100	70-130	18	30	
o-Xylene	ug/kg	ND	58.6	54.7	65.9	58.5	113	107	70-130	12	30	
Styrene	ug/kg	ND	58.6	54.7	39.7	31.0	68	57	70-130	24	30	M1
Tetrachloroethene	ug/kg	ND	58.6	54.7	61.6	53.6	105	98	70-130	14	30	
Toluene	ug/kg	ND	58.6	54.7	60.3	51.3	103	94	52-163	16	30	
trans-1,2-Dichloroethene	ug/kg	ND	58.6	54.7	57.3	49.8	98	91	70-130	14	30	
trans-1,3-Dichloropropene	ug/kg	ND	58.6	54.7	76.9	66.7	131	122	70-130	14	30	M1
Trichloroethene	ug/kg	ND	58.6	54.7	59.2	51.7	101	95	49-167	13	30	
Trichlorofluoromethane	ug/kg	ND	58.6	54.7	53.8	45.4	92	83	70-130	17	30	
Vinyl chloride	ug/kg	ND	58.6	54.7	47.8	39.9	82	73	70-130	18	30	
1,2-Dichloroethane-d4 (S)	%						98	95	70-132			
4-Bromofluorobenzene (S)	%						100	98	70-130			
Toluene-d8 (S)	%						100	100	70-130			

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

QC Batch: MSV/24999 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92180022012, 92180022013, 92180022014

METHOD BLANK: 1092490 Matrix: Solid
Associated Lab Samples: 92180022012, 92180022013, 92180022014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	4.3	11/22/13 14:22	
1,1,2,2-Tetrachloroethane	ug/kg	ND	4.3	11/22/13 14:22	
1,1,2-Trichloroethane	ug/kg	ND	4.3	11/22/13 14:22	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	4.3	11/22/13 14:22	
1,1-Dichloroethane	ug/kg	ND	4.3	11/22/13 14:22	
1,1-Dichloroethene	ug/kg	ND	4.3	11/22/13 14:22	
1,2,3-Trichlorobenzene	ug/kg	ND	4.3	11/22/13 14:22	
1,2,4-Trichlorobenzene	ug/kg	ND	4.3	11/22/13 14:22	
1,2-Dibromo-3-chloropropane	ug/kg	ND	4.3	11/22/13 14:22	
1,2-Dibromoethane (EDB)	ug/kg	ND	4.3	11/22/13 14:22	
1,2-Dichlorobenzene	ug/kg	ND	4.3	11/22/13 14:22	
1,2-Dichloroethane	ug/kg	ND	4.3	11/22/13 14:22	
1,2-Dichloropropane	ug/kg	ND	4.3	11/22/13 14:22	
1,3-Dichlorobenzene	ug/kg	ND	4.3	11/22/13 14:22	
1,4-Dichlorobenzene	ug/kg	ND	4.3	11/22/13 14:22	
1,4-Dioxane (p-Dioxane)	ug/kg	ND	129	11/22/13 14:22	
2-Butanone (MEK)	ug/kg	ND	85.8	11/22/13 14:22	
2-Hexanone	ug/kg	ND	42.9	11/22/13 14:22	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	42.9	11/22/13 14:22	
Acetone	ug/kg	ND	85.8	11/22/13 14:22	
Benzene	ug/kg	ND	4.3	11/22/13 14:22	
Bromochloromethane	ug/kg	ND	4.3	11/22/13 14:22	
Bromodichloromethane	ug/kg	ND	4.3	11/22/13 14:22	
Bromoform	ug/kg	ND	4.3	11/22/13 14:22	
Bromomethane	ug/kg	ND	8.6	11/22/13 14:22	
Carbon disulfide	ug/kg	ND	8.6	11/22/13 14:22	
Carbon tetrachloride	ug/kg	ND	4.3	11/22/13 14:22	
Chlorobenzene	ug/kg	ND	4.3	11/22/13 14:22	
Chloroethane	ug/kg	ND	8.6	11/22/13 14:22	
Chloroform	ug/kg	ND	4.3	11/22/13 14:22	
Chloromethane	ug/kg	ND	8.6	11/22/13 14:22	
cis-1,2-Dichloroethene	ug/kg	ND	4.3	11/22/13 14:22	
cis-1,3-Dichloropropene	ug/kg	ND	4.3	11/22/13 14:22	
Cyclohexane	ug/kg	ND	4.3	11/22/13 14:22	
Dibromochloromethane	ug/kg	ND	4.3	11/22/13 14:22	
Dichlorodifluoromethane	ug/kg	ND	8.6	11/22/13 14:22	
Ethylbenzene	ug/kg	ND	4.3	11/22/13 14:22	
Isopropylbenzene (Cumene)	ug/kg	ND	4.3	11/22/13 14:22	
m&p-Xylene	ug/kg	ND	8.6	11/22/13 14:22	
Methyl acetate	ug/kg	ND	8.6	11/22/13 14:22	
Methyl-tert-butyl ether	ug/kg	ND	4.3	11/22/13 14:22	
Methylcyclohexane	ug/kg	ND	8.6	11/22/13 14:22	
Methylene Chloride	ug/kg	ND	17.2	11/22/13 14:22	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

METHOD BLANK: 1092490 Matrix: Solid
Associated Lab Samples: 92180022012, 92180022013, 92180022014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
o-Xylene	ug/kg	ND	4.3	11/22/13 14:22	
Styrene	ug/kg	ND	4.3	11/22/13 14:22	
Tetrachloroethene	ug/kg	ND	4.3	11/22/13 14:22	
Toluene	ug/kg	ND	4.3	11/22/13 14:22	
trans-1,2-Dichloroethene	ug/kg	ND	4.3	11/22/13 14:22	
trans-1,3-Dichloropropene	ug/kg	ND	4.3	11/22/13 14:22	
Trichloroethene	ug/kg	ND	4.3	11/22/13 14:22	
Trichlorofluoromethane	ug/kg	ND	4.3	11/22/13 14:22	
Vinyl chloride	ug/kg	ND	8.6	11/22/13 14:22	
1,2-Dichloroethane-d4 (S)	%	96	70-132	11/22/13 14:22	
4-Bromofluorobenzene (S)	%	97	70-130	11/22/13 14:22	
Toluene-d8 (S)	%	100	70-130	11/22/13 14:22	

LABORATORY CONTROL SAMPLE: 1092491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	48.4	47.7	98	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	48.4	51.7	107	70-130	
1,1,2-Trichloroethane	ug/kg	48.4	52.2	108	70-132	
1,1,2-Trichlorotrifluoroethane	ug/kg	48.4	47.4	98	70-130	
1,1-Dichloroethane	ug/kg	48.4	45.3	93	70-143	
1,1-Dichloroethene	ug/kg	48.4	46.0	95	70-137	
1,2,3-Trichlorobenzene	ug/kg	48.4	49.7	103	69-153	
1,2,4-Trichlorobenzene	ug/kg	48.4	49.8	103	55-171	
1,2-Dibromo-3-chloropropane	ug/kg	48.4	56.3	116	68-141	
1,2-Dibromoethane (EDB)	ug/kg	48.4	51.4	106	70-130	
1,2-Dichlorobenzene	ug/kg	48.4	53.1	110	70-140	
1,2-Dichloroethane	ug/kg	48.4	47.0	97	70-137	
1,2-Dichloropropane	ug/kg	48.4	51.3	106	70-133	
1,3-Dichlorobenzene	ug/kg	48.4	50.0	103	70-144	
1,4-Dichlorobenzene	ug/kg	48.4	54.9	113	70-142	
1,4-Dioxane (p-Dioxane)	ug/kg	969	1210	124	70-130	
2-Butanone (MEK)	ug/kg	96.9	94.7J	98	70-149	
2-Hexanone	ug/kg	96.9	108	112	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	96.9	107	111	70-153	
Acetone	ug/kg	96.9	91.8J	95	70-157	
Benzene	ug/kg	48.4	48.2	99	70-130	
Bromochloromethane	ug/kg	48.4	47.9	99	70-149	
Bromodichloromethane	ug/kg	48.4	50.6	104	70-130	
Bromoform	ug/kg	48.4	53.6	111	70-131	
Bromomethane	ug/kg	48.4	45.4	94	64-136	
Carbon disulfide	ug/kg	48.4	41.8	86	70-130	
Carbon tetrachloride	ug/kg	48.4	46.6	96	70-154	
Chlorobenzene	ug/kg	48.4	49.0	101	70-135	
Chloroethane	ug/kg	48.4	48.4	100	68-151	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

LABORATORY CONTROL SAMPLE: 1092491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/kg	48.4	47.7	98	70-130	
Chloromethane	ug/kg	48.4	44.3	91	70-132	
cis-1,2-Dichloroethene	ug/kg	48.4	47.4	98	70-140	
cis-1,3-Dichloropropene	ug/kg	48.4	52.7	109	70-137	
Cyclohexane	ug/kg	48.4	50.1	103	70-130	
Dibromochloromethane	ug/kg	48.4	52.5	108	70-130	
Dichlorodifluoromethane	ug/kg	48.4	48.4	100	36-148	
Ethylbenzene	ug/kg	48.4	48.6	100	70-137	
Isopropylbenzene (Cumene)	ug/kg	48.4	53.4	110	70-141	
m&p-Xylene	ug/kg	96.9	109	112	70-140	
Methyl acetate	ug/kg	48.4	41.6	86	70-130	
Methyl-tert-butyl ether	ug/kg	48.4	49.0	101	45-150	
Methylcyclohexane	ug/kg	48.4	53.1	110	70-130	
Methylene Chloride	ug/kg	48.4	43.8	90	70-133	
o-Xylene	ug/kg	48.4	53.8	111	70-141	
Styrene	ug/kg	48.4	52.9	109	70-138	
Tetrachloroethene	ug/kg	48.4	49.3	102	70-140	
Toluene	ug/kg	48.4	48.3	100	70-130	
trans-1,2-Dichloroethene	ug/kg	48.4	45.0	93	70-136	
trans-1,3-Dichloropropene	ug/kg	48.4	56.8	117	70-138	
Trichloroethene	ug/kg	48.4	46.5	96	70-132	
Trichlorofluoromethane	ug/kg	48.4	43.9	91	69-134	
Vinyl chloride	ug/kg	48.4	43.5	90	55-140	
1,2-Dichloroethane-d4 (S)	%			95	70-132	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE SAMPLE: 1093318

Parameter	Units	92179910001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	40.3	27.3	68	49-180	
Benzene	ug/kg	ND	40.3	29.0	72	50-166	
Chlorobenzene	ug/kg	ND	40.3	33.7	84	43-169	
Toluene	ug/kg	ND	40.3	30.2	74	52-163	
Trichloroethene	ug/kg	ND	40.3	35.9	89	49-167	
1,2-Dichloroethane-d4 (S)	%				83	70-132	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				94	70-130	

SAMPLE DUPLICATE: 1093319

Parameter	Units	92180396065 Result	Dup Result	RPD	Max RPD	Qualifiers
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	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

SAMPLE DUPLICATE: 1093319

Parameter	Units	92180396065 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	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-Dichlorobenzene	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
1,4-Dioxane (p-Dioxane)	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Hexanone	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	
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 disulfide	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	
Cyclohexane	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	
Methyl acetate	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylcyclohexane	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
Styrene	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	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

SAMPLE DUPLICATE: 1093319

Parameter	Units	92180396065 Result	Dup Result	RPD	Max RPD	Qualifiers
Vinyl chloride	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	94	84	7		
4-Bromofluorobenzene (S)	%	94	103	12		
Toluene-d8 (S)	%	98	95	0		

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

QC Batch: OEXT/24825 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92180022002, 92180022003, 92180022004, 92180022005, 92180022006, 92180022007, 92180022008, 92180022009, 92180022010, 92180022011, 92180022012, 92180022013, 92180022014

METHOD BLANK: 1090117 Matrix: Solid
Associated Lab Samples: 92180022002, 92180022003, 92180022004, 92180022005, 92180022006, 92180022007, 92180022008, 92180022009, 92180022010, 92180022011, 92180022012, 92180022014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	ND	330	11/23/13 10:28	
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	330	11/23/13 10:28	
2,3,4,6-Tetrachlorophenol	ug/kg	ND	330	11/23/13 10:28	
2,4,5-Trichlorophenol	ug/kg	ND	330	11/23/13 10:28	
2,4,6-Trichlorophenol	ug/kg	ND	330	11/23/13 10:28	
2,4-Dichlorophenol	ug/kg	ND	330	11/23/13 10:28	
2,4-Dimethylphenol	ug/kg	ND	330	11/23/13 10:28	
2,4-Dinitrophenol	ug/kg	ND	1650	11/23/13 10:28	
2,4-Dinitrotoluene	ug/kg	ND	330	11/23/13 10:28	
2,6-Dinitrotoluene	ug/kg	ND	330	11/23/13 10:28	
2-Chloronaphthalene	ug/kg	ND	330	11/23/13 10:28	
2-Chlorophenol	ug/kg	ND	330	11/23/13 10:28	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	11/23/13 10:28	
2-Nitroaniline	ug/kg	ND	1650	11/23/13 10:28	
2-Nitrophenol	ug/kg	ND	330	11/23/13 10:28	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	11/23/13 10:28	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	11/23/13 10:28	
3-Nitroaniline	ug/kg	ND	1650	11/23/13 10:28	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	11/23/13 10:28	
4-Bromophenylphenyl ether	ug/kg	ND	330	11/23/13 10:28	
4-Chloro-3-methylphenol	ug/kg	ND	660	11/23/13 10:28	
4-Chloroaniline	ug/kg	ND	1650	11/23/13 10:28	
4-Chlorophenylphenyl ether	ug/kg	ND	330	11/23/13 10:28	
4-Nitroaniline	ug/kg	ND	660	11/23/13 10:28	
4-Nitrophenol	ug/kg	ND	1650	11/23/13 10:28	
Acetophenone	ug/kg	ND	330	11/23/13 10:28	
Atrazine	ug/kg	ND	660	11/23/13 10:28	
Benzaldehyde	ug/kg	ND	660	11/23/13 10:28	
Biphenyl (Diphenyl)	ug/kg	ND	330	11/23/13 10:28	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	11/23/13 10:28	
bis(2-Chloroethyl) ether	ug/kg	ND	330	11/23/13 10:28	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	11/23/13 10:28	
Butylbenzylphthalate	ug/kg	ND	330	11/23/13 10:28	
Caprolactam	ug/kg	ND	330	11/23/13 10:28	
Carbazole	ug/kg	ND	330	11/23/13 10:28	
Di-n-butylphthalate	ug/kg	ND	330	11/23/13 10:28	
Di-n-octylphthalate	ug/kg	ND	330	11/23/13 10:28	
Dibenzofuran	ug/kg	ND	330	11/23/13 10:28	
Diethylphthalate	ug/kg	ND	330	11/23/13 10:28	
Dimethylphthalate	ug/kg	ND	330	11/23/13 10:28	
Hexachloro-1,3-butadiene	ug/kg	ND	330	11/23/13 10:28	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

METHOD BLANK: 1090117 Matrix: Solid

Associated Lab Samples: 92180022002, 92180022003, 92180022004, 92180022005, 92180022006, 92180022007, 92180022008, 92180022009, 92180022010, 92180022011, 92180022012, 92180022014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachlorobenzene	ug/kg	ND	330	11/23/13 10:28	
Hexachlorocyclopentadiene	ug/kg	ND	330	11/23/13 10:28	
Hexachloroethane	ug/kg	ND	330	11/23/13 10:28	
Isophorone	ug/kg	ND	330	11/23/13 10:28	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	11/23/13 10:28	
N-Nitrosodiphenylamine	ug/kg	ND	330	11/23/13 10:28	
Nitrobenzene	ug/kg	ND	330	11/23/13 10:28	
Pentachlorophenol	ug/kg	ND	1650	11/23/13 10:28	
Phenol	ug/kg	ND	330	11/23/13 10:28	
2,4,6-Tribromophenol (S)	%	97	27-110	11/23/13 10:28	
2-Fluorobiphenyl (S)	%	82	30-110	11/23/13 10:28	
2-Fluorophenol (S)	%	77	13-110	11/23/13 10:28	
Nitrobenzene-d5 (S)	%	76	23-110	11/23/13 10:28	
Phenol-d6 (S)	%	77	22-110	11/23/13 10:28	
Terphenyl-d14 (S)	%	84	28-110	11/23/13 10:28	

LABORATORY CONTROL SAMPLE: 1090118

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	1670	1690	102	39-112	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1030	62	21-110	
2,3,4,6-Tetrachlorophenol	ug/kg	1670	4000	240	39-112	L3
2,4,5-Trichlorophenol	ug/kg	1670	1710	103	48-109	
2,4,6-Trichlorophenol	ug/kg	1670	1530	92	45-111	
2,4-Dichlorophenol	ug/kg	1670	1140	68	51-116	
2,4-Dimethylphenol	ug/kg	1670	1160	70	42-103	
2,4-Dinitrophenol	ug/kg	8330	10000	120	28-103	L3
2,4-Dinitrotoluene	ug/kg	1670	1850	111	46-114	
2,6-Dinitrotoluene	ug/kg	1670	1890	113	48-112	L3
2-Chloronaphthalene	ug/kg	1670	1420	85	44-105	
2-Chlorophenol	ug/kg	1670	1380	83	36-110	
2-Methylphenol(o-Cresol)	ug/kg	1670	1390	83	39-101	
2-Nitroaniline	ug/kg	3330	3280	98	44-111	
2-Nitrophenol	ug/kg	1670	1370	82	41-100	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1250	75	43-103	
3,3'-Dichlorobenzidine	ug/kg	8330	3360	40	10-150	
3-Nitroaniline	ug/kg	3330	3600	108	35-110	
4,6-Dinitro-2-methylphenol	ug/kg	3330	3130	94	38-118	
4-Bromophenylphenyl ether	ug/kg	1670	1630	98	47-115	
4-Chloro-3-methylphenol	ug/kg	3330	2340	70	43-127	
4-Chloroaniline	ug/kg	3330	2210	66	34-109	
4-Chlorophenylphenyl ether	ug/kg	1670	1760	106	44-115	
4-Nitroaniline	ug/kg	3330	4130	124	37-111	L3
4-Nitrophenol	ug/kg	8330	9030	108	21-152	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

LABORATORY CONTROL SAMPLE: 1090118

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acetophenone	ug/kg	1670	1090	65	39-112	
Atrazine	ug/kg	1670	2170	130	39-112	L3
Benzaldehyde	ug/kg	1670	ND	0	39-112	L2
Biphenyl (Diphenyl)	ug/kg	1670	1240	75	39-112	
bis(2-Chloroethoxy)methane	ug/kg	1670	1430	86	39-110	
bis(2-Chloroethyl) ether	ug/kg	1670	1430	86	19-119	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1210	73	35-116	
Butylbenzylphthalate	ug/kg	1670	1370	82	38-110	
Caprolactam	ug/kg	1670	1600	96	39-112	
Carbazole	ug/kg	1670	1710	102	39-112	
Di-n-butylphthalate	ug/kg	1670	1340	80	43-109	
Di-n-octylphthalate	ug/kg	1670	1190	71	37-109	
Dibenzofuran	ug/kg	1670	1350	81	45-106	
Diethylphthalate	ug/kg	1670	1410	85	41-114	
Dimethylphthalate	ug/kg	1670	1390	84	43-110	
Hexachloro-1,3-butadiene	ug/kg	1670	1170	70	28-111	
Hexachlorobenzene	ug/kg	1670	1330	80	46-120	
Hexachlorocyclopentadiene	ug/kg	1670	1910	114	18-119	
Hexachloroethane	ug/kg	1670	1410	84	33-110	
Isophorone	ug/kg	1670	1130	68	44-109	
N-Nitroso-di-n-propylamine	ug/kg	1670	1020	61	43-104	
N-Nitrosodiphenylamine	ug/kg	1670	1130	68	48-113	
Nitrobenzene	ug/kg	1670	1120	67	38-110	
Pentachlorophenol	ug/kg	8330	3760	45	32-128	
Phenol	ug/kg	1670	1450	87	28-106	
2,4,6-Tribromophenol (S)	%			109	27-110	
2-Fluorobiphenyl (S)	%			86	30-110	
2-Fluorophenol (S)	%			84	13-110	
Nitrobenzene-d5 (S)	%			66	23-110	
Phenol-d6 (S)	%			80	22-110	
Terphenyl-d14 (S)	%			83	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1090119 1090120

Parameter	Units	92180022010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4,5-Tetrachlorobenzene	ug/kg	ND	1990	1990	1170	1220	59	62	50-150	4	30	
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	1990	1990	784	856	39	43	50-150	9	30	M1
2,3,4,6-Tetrachlorophenol	ug/kg	ND	1990	1990	3000	3650	151	184	50-150	20	30	M1
2,4,5-Trichlorophenol	ug/kg	ND	1990	1990	1270	1470	64	74	28-110	15	30	
2,4,6-Trichlorophenol	ug/kg	ND	1990	1990	1100	1230	55	62	17-117	12	30	
2,4-Dichlorophenol	ug/kg	ND	1990	1990	908	983	46	49	21-128	8	30	
2,4-Dimethylphenol	ug/kg	ND	1990	1990	464	459	23	23	10-120	1	30	
2,4-Dinitrophenol	ug/kg	ND	9930	9930	7720	9850	78	99	10-107	24	30	
2,4-Dinitrotoluene	ug/kg	ND	1990	1990	1390	1670	70	84	36-109	18	30	
2,6-Dinitrotoluene	ug/kg	ND	1990	1990	1420	1630	71	82	32-110	14	30	
2-Chloronaphthalene	ug/kg	ND	1990	1990	998	1100	50	55	30-107	10	30	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1090119 1090120

Parameter	Units	92180022010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Chlorophenol	ug/kg	ND	1990	1990	1010	1110	51	56	14-106	9	30	
2-Methylphenol(o-Cresol)	ug/kg	ND	1990	1990	908	915	46	46	10-124	1	30	
2-Nitroaniline	ug/kg	ND	3970	3970	2360	2740	59	69	26-116	15	30	
2-Nitrophenol	ug/kg	ND	1990	1990	1060	1120	53	56	28-103	5	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1990	1990	838	972	42	49	10-109	15	30	
3,3'-Dichlorobenzidine	ug/kg	ND	9930	9930	1860J	2170	19	22	10-150		30	
3-Nitroaniline	ug/kg	ND	3970	3970	2670	3160	67	79	22-110	17	30	
4,6-Dinitro-2-methylphenol	ug/kg	ND	3970	3970	2680	3020	67	76	13-121	12	30	
4-Bromophenylphenyl ether	ug/kg	ND	1990	1990	1240	1400	62	70	31-109	12	30	
4-Chloro-3-methylphenol	ug/kg	ND	3970	3970	1990	2240	50	56	13-128	12	30	
4-Chloroaniline	ug/kg	ND	3970	3970	1660J	1870J	42	47	18-102		30	
4-Chlorophenylphenyl ether	ug/kg	ND	1990	1990	1330	1510	67	76	29-112	12	30	
4-Nitroaniline	ug/kg	ND	3970	3970	3050	3740	77	94	16-111	20	30	
4-Nitrophenol	ug/kg	ND	9930	9930	6730	8240	68	83	14-135	20	30	
Acetophenone	ug/kg	ND	1990	1990	852	960	43	48	50-150	12	30	M1
Atrazine	ug/kg	ND	1990	1990	1540	1730	77	87	50-150	12	30	
Benzaldehyde	ug/kg	ND	1990	1990	ND	ND	9	6	50-150		30	M0
Biphenyl (Diphenyl)	ug/kg	ND	1990	1990	880	966	44	49	50-150	9	30	M1
bis(2-Chloroethoxy)methane	ug/kg	ND	1990	1990	1090	1190	55	60	13-119	8	30	
bis(2-Chloroethyl) ether	ug/kg	ND	1990	1990	1040	1120	52	56	10-134	8	30	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1990	1990	907	1030	46	52	10-125	12	30	
Butylbenzylphthalate	ug/kg	ND	1990	1990	1020	1130	51	57	18-110	11	30	
Caprolactam	ug/kg	ND	1990	1990	1390	1680	70	85	50-150	19	30	
Carbazole	ug/kg	ND	1990	1990	1290	1510	65	76	50-150	15	30	
Di-n-butylphthalate	ug/kg	ND	1990	1990	1030	1150	52	58	19-112	11	30	
Di-n-octylphthalate	ug/kg	ND	1990	1990	965	1030	49	52	17-105	7	30	
Dibenzofuran	ug/kg	ND	1990	1990	1010	1140	51	57	35-103	13	30	
Diethylphthalate	ug/kg	ND	1990	1990	1100	1270	55	64	27-113	14	30	
Dimethylphthalate	ug/kg	ND	1990	1990	1060	1230	53	62	26-111	15	30	
Hexachloro-1,3-butadiene	ug/kg	ND	1990	1990	864	881	43	44	16-116	2	30	
Hexachlorobenzene	ug/kg	ND	1990	1990	1000	1120	50	56	27-120	11	30	
Hexachlorocyclopentadiene	ug/kg	ND	1990	1990	1270	1390	64	70	10-108	9	30	
Hexachloroethane	ug/kg	ND	1990	1990	1020	1120	51	56	10-117	9	30	
Isophorone	ug/kg	ND	1990	1990	894	957	45	48	28-114	7	30	
N-Nitroso-di-n-propylamine	ug/kg	ND	1990	1990	806	898	41	45	27-113	11	30	
N-Nitrosodiphenylamine	ug/kg	ND	1990	1990	850	926	43	47	10-128	9	30	
Nitrobenzene	ug/kg	ND	1990	1990	871	911	44	46	18-114	4	30	
Pentachlorophenol	ug/kg	ND	9930	9930	2760	3170	28	32	10-122	14	30	
Phenol	ug/kg	ND	1990	1990	997	1100	50	55	11-102	10	30	
2,4,6-Tribromophenol (S)	%						66	74	27-110			
2-Fluorobiphenyl (S)	%						50	53	30-110			
2-Fluorophenol (S)	%						47	51	13-110			
Nitrobenzene-d5 (S)	%						41	44	23-110			
Phenol-d6 (S)	%						48	52	22-110			
Terphenyl-d14 (S)	%						52	56	28-110			

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

QC Batch: OEXT/24817 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV PAH by SIM
Associated Lab Samples: 92180022002, 92180022003, 92180022004, 92180022005, 92180022006, 92180022007, 92180022008, 92180022009, 92180022010, 92180022011, 92180022012, 92180022013, 92180022014

METHOD BLANK: 1089635 Matrix: Solid
Associated Lab Samples: 92180022002, 92180022003, 92180022004, 92180022005, 92180022006, 92180022007, 92180022008, 92180022009, 92180022010, 92180022011, 92180022012, 92180022013, 92180022014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	10.0	11/20/13 12:18	
2-Methylnaphthalene	ug/kg	ND	10.0	11/20/13 12:18	
Acenaphthene	ug/kg	ND	10.0	11/20/13 12:18	
Acenaphthylene	ug/kg	ND	10.0	11/20/13 12:18	
Anthracene	ug/kg	ND	10.0	11/20/13 12:18	
Benzo(a)anthracene	ug/kg	ND	10.0	11/20/13 12:18	
Benzo(a)pyrene	ug/kg	ND	10.0	11/20/13 12:18	
Benzo(b)fluoranthene	ug/kg	ND	10.0	11/20/13 12:18	
Benzo(g,h,i)perylene	ug/kg	ND	10.0	11/20/13 12:18	
Benzo(k)fluoranthene	ug/kg	ND	10.0	11/20/13 12:18	
Chrysene	ug/kg	ND	10.0	11/20/13 12:18	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	11/20/13 12:18	
Fluoranthene	ug/kg	ND	10.0	11/20/13 12:18	
Fluorene	ug/kg	ND	10.0	11/20/13 12:18	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	11/20/13 12:18	
Naphthalene	ug/kg	ND	10.0	11/20/13 12:18	
Phenanthrene	ug/kg	ND	10.0	11/20/13 12:18	
Pyrene	ug/kg	ND	10.0	11/20/13 12:18	
2-Fluorobiphenyl (S)	%	98	10-110	11/20/13 12:18	
Nitrobenzene-d5 (S)	%	99	10-128	11/20/13 12:18	
Terphenyl-d14 (S)	%	114	39-119	11/20/13 12:18	

LABORATORY CONTROL SAMPLE & LCSD: 1089636 1089637

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/kg	33.3	32.6	32.2	98	97	29-108	1	30	
2-Methylnaphthalene	ug/kg	33.3	33.0	34.6	99	104	30-104	5	30	
Acenaphthene	ug/kg	33.3	30.3	32.8	91	98	38-109	8	30	
Acenaphthylene	ug/kg	33.3	28.3	30.7	85	92	41-109	8	30	
Anthracene	ug/kg	33.3	32.8	35.5	98	106	45-114	8	30	
Benzo(a)anthracene	ug/kg	33.3	37.0	35.1	111	105	45-109	5	30	L3
Benzo(a)pyrene	ug/kg	33.3	37.2	36.8	112	110	47-117	1	30	
Benzo(b)fluoranthene	ug/kg	33.3	38.5	37.6	116	113	32-113	2	30	L3
Benzo(g,h,i)perylene	ug/kg	33.3	36.2	35.4	108	106	10-149	2	30	
Benzo(k)fluoranthene	ug/kg	33.3	38.7	36.2	116	109	41-104	7	30	L3
Chrysene	ug/kg	33.3	36.3	35.0	109	105	35-116	4	30	
Dibenz(a,h)anthracene	ug/kg	33.3	41.9	39.0	126	117	13-139	7	30	
Fluoranthene	ug/kg	33.3	37.7	38.2	113	115	43-110	1	30	L3
Fluorene	ug/kg	33.3	31.8	34.0	95	102	45-111	7	30	
Indeno(1,2,3-cd)pyrene	ug/kg	33.3	42.4	40.7	127	122	17-135	4	30	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

LABORATORY CONTROL SAMPLE & LCSD: 1089636 1089637

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Naphthalene	ug/kg	33.3	29.5	32.8	88	99	26-120	11	30	
Phenanthrene	ug/kg	33.3	32.3	35.1	97	105	45-110	8	30	
Pyrene	ug/kg	33.3	37.6	38.0	113	114	38-114	1	30	
2-Fluorobiphenyl (S)	%				79	83	10-110			
Nitrobenzene-d5 (S)	%				79	83	10-128			
Terphenyl-d14 (S)	%				108	101	39-119			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1090067 1090068

Parameter	Units	92180022010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	ND	39.7	39.7	22.5	35.1	54	86	50-150	44	30	R1
2-Methylnaphthalene	ug/kg	1.7J	39.7	39.7	22.0	35.0	51	84	50-150	46	30	R1
Acenaphthene	ug/kg	ND	39.7	39.7	22.3	33.8	56	85	50-150	41	30	R1
Acenaphthylene	ug/kg	ND	39.7	39.7	19.6	31.6	49	80	50-150	47	30	M1,R1
Anthracene	ug/kg	ND	39.7	39.7	22.9	35.4	58	89	50-150	43	30	R1
Benzo(a)anthracene	ug/kg	ND	39.7	39.7	26.4	33.5	66	84	50-150	24	30	
Benzo(a)pyrene	ug/kg	ND	39.7	39.7	27.9	34.5	70	87	50-150	21	30	
Benzo(b)fluoranthene	ug/kg	ND	39.7	39.7	29.4	35.1	74	88	50-150	18	30	
Benzo(g,h,i)perylene	ug/kg	ND	39.7	39.7	23.4	27.7	59	70	50-150	17	30	
Benzo(k)fluoranthene	ug/kg	ND	39.7	39.7	24.6	31.5	62	79	50-150	25	30	
Chrysene	ug/kg	ND	39.7	39.7	26.4	33.7	66	85	50-150	24	30	
Dibenz(a,h)anthracene	ug/kg	ND	39.7	39.7	28.5	35.1	72	88	50-150	21	30	
Fluoranthene	ug/kg	ND	39.7	39.7	26.9	36.8	68	93	50-150	31	30	R1
Fluorene	ug/kg	ND	39.7	39.7	20.6	34.6	52	87	50-150	51	30	R1
Indeno(1,2,3-cd)pyrene	ug/kg	ND	39.7	39.7	28.4	34.7	71	87	50-150	20	30	
Naphthalene	ug/kg	ND	39.7	39.7	20.5	31.9	52	80	50-150	44	30	R1
Phenanthrene	ug/kg	ND	39.7	39.7	22.5	35.9	57	90	50-150	46	30	R1
Pyrene	ug/kg	ND	39.7	39.7	26.9	36.2	68	91	50-150	29	30	
2-Fluorobiphenyl (S)	%						49	76	10-110			
Nitrobenzene-d5 (S)	%						47	72	10-128			
Terphenyl-d14 (S)	%						66	85	39-119			

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

QC Batch: PMST/6022 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92180022002, 92180022003, 92180022004, 92180022005, 92180022006, 92180022007, 92180022008, 92180022009, 92180022010, 92180022011, 92180022012, 92180022013, 92180022014

SAMPLE DUPLICATE: 1091061

Parameter	Units	92180008004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.8	18.7	5	25	

SAMPLE DUPLICATE: 1091062

Parameter	Units	92180051005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	27.0	25.4	6	25	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

SG - Silica Gel - Clean-Up

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

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

A+	The reaction of the soil preservative, sodium bisulfate, is known to react with humic acid in soils to produce ketones. Based upon method blank results, the laboratory feels the ketones in this sample are a result of that reaction.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
IO	The internal standard response was outside the laboratory acceptance limits confirmed by reanalysis. The results reported are from the most QC compliant analysis.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
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.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N	Tentatively identified compound (TIC) based on mass spectral library search
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.
S1	Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
S2	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALIFIERS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

ANALYTE QUALIFIERS

S5 Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92180022002	**CTS-STB-5-02**	EPA 3546	OEXT/24825	EPA 8270	MSSV/8470
92180022003	**CTS-SB-24-3-4**	EPA 3546	OEXT/24825	EPA 8270	MSSV/8470
92180022004	**CTS-SB-24-8-9**	EPA 3546	OEXT/24825	EPA 8270	MSSV/8470
92180022005	**CTS-SB-24-14-15**	EPA 3546	OEXT/24825	EPA 8270	MSSV/8470
92180022006	**CTS-SB-04-3-4**	EPA 3546	OEXT/24825	EPA 8270	MSSV/8470
92180022007	**CTS-SB-04-6-7**	EPA 3546	OEXT/24825	EPA 8270	MSSV/8470
92180022008	**CTS-SB-04-11-12**	EPA 3546	OEXT/24825	EPA 8270	MSSV/8470
92180022009	**CTS-CSS-SB-206-4-5**	EPA 3546	OEXT/24825	EPA 8270	MSSV/8470
92180022010	**CTS-CSS-SB-206-8-10**	EPA 3546	OEXT/24825	EPA 8270	MSSV/8470
92180022011	**CTS-CSS-SB-206-14-15**	EPA 3546	OEXT/24825	EPA 8270	MSSV/8470
92180022012	**CTS-SB-23-0-1**	EPA 3546	OEXT/24825	EPA 8270	MSSV/8470
92180022013	**CTS-SB-23-9-10**	EPA 3546	OEXT/24825	EPA 8270	MSSV/8470
92180022014	**CTS-SB-23-14-15**	EPA 3546	OEXT/24825	EPA 8270	MSSV/8470
92180022002	**CTS-STB-5-02**	EPA 3546	OEXT/24817	EPA 8270 by SIM	MSSV/8458
92180022003	**CTS-SB-24-3-4**	EPA 3546	OEXT/24817	EPA 8270 by SIM	MSSV/8458
92180022004	**CTS-SB-24-8-9**	EPA 3546	OEXT/24817	EPA 8270 by SIM	MSSV/8458
92180022005	**CTS-SB-24-14-15**	EPA 3546	OEXT/24817	EPA 8270 by SIM	MSSV/8458
92180022006	**CTS-SB-04-3-4**	EPA 3546	OEXT/24817	EPA 8270 by SIM	MSSV/8458
92180022007	**CTS-SB-04-6-7**	EPA 3546	OEXT/24817	EPA 8270 by SIM	MSSV/8458
92180022008	**CTS-SB-04-11-12**	EPA 3546	OEXT/24817	EPA 8270 by SIM	MSSV/8458
92180022009	**CTS-CSS-SB-206-4-5**	EPA 3546	OEXT/24817	EPA 8270 by SIM	MSSV/8458
92180022010	**CTS-CSS-SB-206-8-10**	EPA 3546	OEXT/24817	EPA 8270 by SIM	MSSV/8458
92180022011	**CTS-CSS-SB-206-14-15**	EPA 3546	OEXT/24817	EPA 8270 by SIM	MSSV/8458
92180022012	**CTS-SB-23-0-1**	EPA 3546	OEXT/24817	EPA 8270 by SIM	MSSV/8458
92180022013	**CTS-SB-23-9-10**	EPA 3546	OEXT/24817	EPA 8270 by SIM	MSSV/8458
92180022014	**CTS-SB-23-14-15**	EPA 3546	OEXT/24817	EPA 8270 by SIM	MSSV/8458
92180022001	**CTS-STB-03**	EPA 8260	MSV/24990		
92180022002	**CTS-STB-5-02**	EPA 8260	MSV/24990		
92180022003	**CTS-SB-24-3-4**	EPA 8260	MSV/24990		
92180022004	**CTS-SB-24-8-9**	EPA 8260	MSV/24990		
92180022005	**CTS-SB-24-14-15**	EPA 8260	MSV/24990		
92180022006	**CTS-SB-04-3-4**	EPA 8260	MSV/24990		
92180022007	**CTS-SB-04-6-7**	EPA 8260	MSV/24990		
92180022008	**CTS-SB-04-11-12**	EPA 8260	MSV/24990		
92180022009	**CTS-CSS-SB-206-4-5**	EPA 8260	MSV/24990		
92180022010	**CTS-CSS-SB-206-8-10**	EPA 8260	MSV/24990		
92180022011	**CTS-CSS-SB-206-14-15**	EPA 8260	MSV/24990		
92180022012	**CTS-SB-23-0-1**	EPA 8260	MSV/24999		
92180022013	**CTS-SB-23-9-10**	EPA 8260	MSV/24999		
92180022014	**CTS-SB-23-14-15**	EPA 8260	MSV/24999		
92180022002	**CTS-STB-5-02**	ASTM D2974-87	PMST/6022		
92180022003	**CTS-SB-24-3-4**	ASTM D2974-87	PMST/6022		
92180022004	**CTS-SB-24-8-9**	ASTM D2974-87	PMST/6022		
92180022005	**CTS-SB-24-14-15**	ASTM D2974-87	PMST/6022		
92180022006	**CTS-SB-04-3-4**	ASTM D2974-87	PMST/6022		
92180022007	**CTS-SB-04-6-7**	ASTM D2974-87	PMST/6022		
92180022008	**CTS-SB-04-11-12**	ASTM D2974-87	PMST/6022		

REPORT OF LABORATORY ANALYSIS

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205 East Meadow Road - Suite A
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(336)623-8921

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 CROSS REFERENCE TABLE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180022

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92180022009	**CTS-CSS-SB-206-4-5**	ASTM D2974-87	PMST/6022		
92180022010	**CTS-CSS-SB-206-8-10**	ASTM D2974-87	PMST/6022		
92180022011	**CTS-CSS-SB-206-14-15**	ASTM D2974-87	PMST/6022		
92180022012	**CTS-SB-23-0-1**	ASTM D2974-87	PMST/6022		
92180022013	**CTS-SB-23-9-10**	ASTM D2974-87	PMST/6022		
92180022014	**CTS-SB-23-14-15**	ASTM D2974-87	PMST/6022		

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Pace Analytical www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 4, 2013 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.11	Issuing Authorities: Pace Asheville Quality Office

Client Name: Area

Where Received: ☐ Huntersville ☑ Asheville ☐ Eden ☐ Raleigh

Courier (Circle): 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_____

Circle Thermometer Used: IR Gun#3 -130265963 IR Gun #2- 80344039 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0.1 C

Corrected Cooler Temp.: 3.1/4.3 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: 11/19/13

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	
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):		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: [signature] **Date:** 11/19/13

SRF Review: [signature] **Date:** 11/20/13

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)

WO# : 92180022

92180022

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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 2

1748129

Section A Required Client Information:
- Company: AMEC
- Address: 1308 Patton Ave Asheville NC 28806
- Email To: susan.kelly@amec.com
- Phone: 828 2528130 Fax:
- Requested Due Date/TAT: Std

Section B Required Project Information:
- Report To: Susan Kelly
- Copy To:
- Purchase Order No.: C012203421
- Project Name: CTS of Asheville
- Project Number: 66900394 5D

Section C Invoice Information:
- Attention: Lacy Gonzalez
- Company Name: AMEC
- Address: 1308 Patton Ave Asheville
- Pace Quote Reference:
- Pace Project Manager: Kevin Godwin
- Pace Profile #:

REGULATORY AGENCY
NPDES / GROUND WATER / DRINKING WATER / UST / RCRA / X OTHER EPA

Site Location STATE: NC

Section D Required Client Information

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

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

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	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	TCL 8260	TCL 8270/SIMPAH	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	CTS-STB-03	WT	G	N/A	N/A	11/18/13	labprep		2						X				X			001
2	CTS-SB-502	SL	G			11/18/13	1150		5	X					X	X			X	X		002
3	CTS-SB-24-3-4	SL	G			11/18/13	1030		5	X					X	X			X	X		003
4	CTS-SB-24-8-9	SL	G			11/18/13	1045		5	X					X	X			X	X		004
5	CTS-SB-24-14-15	SL	G			11/18/13	1105		5	X					X	X			X	X		005
6	CTS-SB-04-3-4	SL	G			11/18/13	1125		5	X					X	X			X	X		006
7	CTS-SB-04-6-7	SL	G			11/18/13	1140		5	X					X	X			X	X		007
8	CTS-SB-04-11-12	SL	G			11/18/13	1150		5	X					X	X			X	X		008
9	CTSCSS-SB-206-4-5	SL	G			11/18/13	1315		5	X					X	X			X	X		009
10	CTSCSS-SB-206-8-10	SL	G			11/18/13	1330		15	X					X	X			X	X		MS/MSD 010
11	CTSCSS-SB-206-14-15	SL	G			11/18/13	1355		5	X					X	X			X	X		011
12	CTS-SB-23-01	SL	G	N/A	N/A	11/18/13	1505		5	X					X	X			X	X		012

92180022

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Level IV QA package	Susan Kelly / AMEC	11/19/13	1245	[signature]	11/19/13	12:45	2.1/4.5	X	X	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Susan Kelly
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 11/18/13

*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

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 4, 2013 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.11	Issuing Authorities: Pace Asheville Quality Office

Client Name: Amec

Where Received: ☐ Huntersville ☑ Asheville ☐ Eden ☐ Raleigh

Courier (Circle): 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_____

Circle Thermometer Used: IR Gun#3 -130265963 IR Gun #2- 80344039 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0.1 C

Corrected Cooler Temp.: 3.1 / 4.5 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C **Comments:**

Date and Initials of person examining contents: 11/19/13

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	
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):_____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: JD **Date:** 11/19/13

SRF Review: JD **Date:** 11/20/13

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)

Place label here

92180022

OR

Handwrite project number (if no label available)

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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: 2 of 2

1732[illegible]

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AMEC	Report To: Susan Kelly	Attention: Lacy Gonzalez
Address: 1308 Patton Ave Asheville NC 28806	Copy To:	Company Name: AMEC
		Address: 1308 Patton Ave, Asheville
Email To: Susan.kelly@amec.com	Purchase Order No: C012203421	Pace Quote Reference:
Phone: 828.252.8130 Fax:	Project Name: CTS of Asheville	Pace Project Manager: Kevin Godwin
Requested Due Date/TAT: std	Project Number: 6690039450	Pace Profile #:

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | X OTHER EPA

Site Location STATE: NC

Section D Required Client Information

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

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

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	Analysis Test (Y/N)	TCL 8260	TCL 8270/SIMPAH	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	CTS-SB-23-9-10	SL	G	N/A	N/A	11/18/13	1515		5	X					X	X			X	X		013
2	CTS-SB-23-14-15	SL	G	N/A	N/A	11/18/13	1525		5	X					X	X			X	X		014
3																			Per Susan Kelly			
4																			KG 11/20/13			
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

92180022

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Level IV QA package	Susan Kelly / AMEC	11/19/13	1245	[signature]	11/19/13	12:45	3.1/4.5	X	X	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Susan Kelly

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 11/18/13

ORIGINAL

*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.

F-ALL-Q-020rev.07, 15-May-2007

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(704)875-9092

December 04, 2013

Ms. Susan Kelly
AMEC- Asheville
1308 Patton Avenue
Asheville, NC 28806

RE: Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Dear Ms. Kelly:
Enclosed are the analytical results for sample(s) received by the laboratory on November 21, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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Huntersville, NC 28078
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CERTIFICATIONS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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SAMPLE SUMMARY

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92180392001	**CTS-STB-04**	Solid	11/19/13 00:00	11/21/13 07:50
92180392002	**CTS-STB-05**	Solid	11/20/13 00:00	11/21/13 07:50
92180392003	**CTS-SB-503**	Solid	11/19/13 16:15	11/21/13 07:50
92180392004	**CTS-SB-504**	Solid	11/20/13 14:45	11/21/13 07:50
92180392005	**CTS-SB-13-2-3**	Solid	11/19/13 09:30	11/21/13 07:50
92180392006	**CTS-SB-13-5-6**	Solid	11/19/13 09:45	11/21/13 07:50
92180392007	**CTS-SB-13-10-11**	Solid	11/19/13 09:55	11/21/13 07:50
92180392008	**CTS-SB-16-4-5**	Solid	11/19/13 10:15	11/21/13 07:50
92180392009	**CTS-SB-16-7-8**	Solid	11/19/13 10:30	11/21/13 07:50
92180392010	**CTS-SB-16-10-11**	Solid	11/19/13 10:40	11/21/13 07:50
92180392011	**CTS-SB-01-4-5**	Solid	11/19/13 11:35	11/21/13 07:50
92180392012	**CTS-SB-01-7-8**	Solid	11/19/13 11:50	11/21/13 07:50
92180392013	**CTS-SB-01-11-12**	Solid	11/19/13 12:00	11/21/13 07:50
92180392014	**CTS-SB-15-4-5**	Solid	11/19/13 13:25	11/21/13 07:50
92180392015	**CTS-SB-15-7-8**	Solid	11/19/13 13:40	11/21/13 07:50
92180392016	**CTS-SB-15-11-12**	Solid	11/19/13 13:50	11/21/13 07:50
92180392017	**CTS-SB-14-3-4**	Solid	11/19/13 14:05	11/21/13 07:50
92180392018	**CTS-SB-14-7-8**	Solid	11/19/13 14:20	11/21/13 07:50
92180392019	**CTS-SB-14-10-11**	Solid	11/19/13 14:35	11/21/13 07:50
92180392020	**CTS-SB-11-3-5**	Solid	11/19/13 15:40	11/21/13 07:50
92180392021	**CTS-SB-11-7-8**	Solid	11/19/13 16:00	11/21/13 07:50
92180392022	**CTS-SB-11-14-15**	Solid	11/19/13 16:15	11/21/13 07:50
92180392023	**CTS-SB-20-3-4**	Solid	11/20/13 08:00	11/21/13 07:50
92180392024	**CTS-SB-20-9-10**	Solid	11/20/13 08:20	11/21/13 07:50
92180392025	**CTS-SB-20-14-15**	Solid	11/20/13 08:35	11/21/13 07:50
92180392026	**CTS-SB-22-4-5**	Solid	11/20/13 08:50	11/21/13 07:50
92180392027	**CTS-SB-22-9-10**	Solid	11/20/13 09:05	11/21/13 07:50
92180392028	**CTS-SB-22-12-13**	Solid	11/20/13 09:15	11/21/13 07:50
92180392029	**CTS-SB-07-0-1**	Solid	11/20/13 10:20	11/21/13 07:50
92180392030	**CTS-SB-07-9-10**	Solid	11/20/13 10:35	11/21/13 07:50
92180392031	**CTS-SB-07-13-14**	Solid	11/20/13 10:50	11/21/13 07:50
92180392032	**CTSCSS-SB-208-4-5**	Solid	11/20/13 11:00	11/21/13 07:50
92180392033	**CTSCSS-SB-208-12-13**	Solid	11/20/13 11:30	11/21/13 07:50
92180392034	**CTSCSS-SB-208-7-9**	Solid	11/20/13 11:15	11/21/13 07:50
92180392035	**CTS-SB-12-2-3**	Solid	11/20/13 14:25	11/21/13 07:50
92180392036	**CTS-SB-12-9-10**	Solid	11/20/13 14:35	11/21/13 07:50
92180392037	**CTS-SB-12-14-15**	Solid	11/20/13 14:45	11/21/13 07:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92180392038	**CTSCSS-SB-204-0-1**	Solid	11/20/13 15:25	11/21/13 07:50
92180392039	**CTSCSS-SB-204-9-10**	Solid	11/20/13 15:40	11/21/13 07:50
92180392040	**CTSCSS-SB-204-11-12**	Solid	11/20/13 15:50	11/21/13 07:50
92180392041	**CTSCSS-SB-205-0-1**	Solid	11/20/13 16:05	11/21/13 07:50
92180392042	**CTSCSS-SB-205-6-7**	Solid	11/20/13 16:20	11/21/13 07:50
92180392043	**CTSCSS-SB-205-14-15**	Solid	11/20/13 16:30	11/21/13 07:50

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Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92180392001	**CTS-STB-04**	EPA 8260	DLK	55	PASI-C
92180392002	**CTS-STB-05**	EPA 8260	DLK	55	PASI-C
92180392003	**CTS-SB-503**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392004	**CTS-SB-504**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392005	**CTS-SB-13-2-3**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392006	**CTS-SB-13-5-6**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392007	**CTS-SB-13-10-11**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392008	**CTS-SB-16-4-5**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392009	**CTS-SB-16-7-8**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392010	**CTS-SB-16-10-11**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392011	**CTS-SB-01-4-5**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974-87	KDF	1	PASI-C
92180392012	**CTS-SB-01-7-8**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392013	**CTS-SB-01-11-12**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392014	**CTS-SB-15-4-5**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392015	**CTS-SB-15-7-8**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392016	**CTS-SB-15-11-12**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392017	**CTS-SB-14-3-4**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392018	**CTS-SB-14-7-8**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392019	**CTS-SB-14-10-11**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392020	**CTS-SB-11-3-5**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C

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SAMPLE ANALYTE COUNT

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92180392021	**CTS-SB-11-7-8**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392022	**CTS-SB-11-14-15**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392023	**CTS-SB-20-3-4**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392024	**CTS-SB-20-9-10**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392025	**CTS-SB-20-14-15**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392026	**CTS-SB-22-4-5**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392027	**CTS-SB-22-9-10**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392028	**CTS-SB-22-12-13**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392029	**CTS-SB-07-0-1**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392030	**CTS-SB-07-9-10**	EPA 8270	RES	56	PASI-C

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SAMPLE ANALYTE COUNT

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	KDF	1	PASI-C
92180392031	**CTS-SB-07-13-14**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	LLW	1	PASI-C
92180392032	**CTSCSS-SB-208-4-5**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	LLW	1	PASI-C
92180392033	**CTSCSS-SB-208-12-13**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	LLW	1	PASI-C
92180392034	**CTSCSS-SB-208-7-9**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	LLW	1	PASI-C
92180392035	**CTS-SB-12-2-3**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	LLW	1	PASI-C
92180392036	**CTS-SB-12-9-10**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	LLW	1	PASI-C
92180392037	**CTS-SB-12-14-15**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	LLW	1	PASI-C
92180392038	**CTSCSS-SB-204-0-1**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	LLW	1	PASI-C
92180392039	**CTSCSS-SB-204-9-10**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C

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SAMPLE ANALYTE COUNT

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	LLW	1	PASI-C
92180392040	**CTSCSS-SB-204-11-12**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	LLW	1	PASI-C
92180392041	**CTSCSS-SB-205-0-1**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	LLW	1	PASI-C
92180392042	**CTSCSS-SB-205-6-7**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	LLW	1	PASI-C
92180392043	**CTSCSS-SB-205-14-15**	EPA 8270	RES	56	PASI-C
		EPA 8270 by SIM	RES	21	PASI-C
		EPA 8260	DLK	55	PASI-C
		ASTM D2974-87	LLW	1	PASI-C

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SUMMARY OF DETECTION

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92180392003	**CTS-SB-503**					
EPA 8260	Acetone	34.7J	ug/kg	106	11/27/13 15:35	
EPA 8260	Chloroform	2.6J	ug/kg	5.3	11/27/13 15:35	
EPA 8260	Trichloroethene	67.8	ug/kg	5.3	11/27/13 15:35	
ASTM D2974-87	Percent Moisture	20.9	%	0.10	12/02/13 16:57	
92180392004	**CTS-SB-504**					
EPA 8270 by SIM	Pyrene	15.4	ug/kg	12.8	11/26/13 12:14	
EPA 8260	Acetone	279	ug/kg	109	11/27/13 15:55	A+
EPA 8260	2-Butanone (MEK)	38.2J	ug/kg	109	11/27/13 15:55	
EPA 8260	1,1,1-Trichloroethane	2.7J	ug/kg	5.5	11/27/13 15:55	
EPA 8260	Trichloroethene	16.2	ug/kg	5.5	11/27/13 15:55	
ASTM D2974-87	Percent Moisture	21.8	%	0.10	12/02/13 16:57	
92180392005	**CTS-SB-13-2-3**					
EPA 8260	Acetone	46.5J	ug/kg	107	11/27/13 16:14	
EPA 8260	Methylcyclohexane	1.6J	ug/kg	10.7	11/27/13 16:14	
EPA 8260	Trichloroethene	17.3	ug/kg	5.4	11/27/13 16:14	
ASTM D2974-87	Percent Moisture	17.9	%	0.10	12/02/13 16:57	
92180392006	**CTS-SB-13-5-6**					
EPA 8260	Acetone	29.5J	ug/kg	97.2	11/27/13 16:34	
ASTM D2974-87	Percent Moisture	14.7	%	0.10	12/02/13 16:57	
92180392007	**CTS-SB-13-10-11**					
EPA 8270 by SIM	Benzo(a)anthracene	0.94J	ug/kg	12.0	11/26/13 13:41	
EPA 8260	Acetone	22.1J	ug/kg	108	11/27/13 16:54	
EPA 8260	Trichloroethene	3.3J	ug/kg	5.4	11/27/13 16:54	
ASTM D2974-87	Percent Moisture	17.0	%	0.10	12/02/13 16:57	
92180392008	**CTS-SB-16-4-5**					
EPA 8260	Acetone	44.5J	ug/kg	106	11/27/13 17:13	
EPA 8260	cis-1,2-Dichloroethene	7.1	ug/kg	5.3	11/27/13 17:13	
EPA 8260	Trichloroethene	1010	ug/kg	131	12/01/13 13:00	
ASTM D2974-87	Percent Moisture	13.7	%	0.10	12/02/13 16:57	
92180392009	**CTS-SB-16-7-8**					
EPA 8260	Acetone	72.4J	ug/kg	97.4	11/27/13 17:33	
EPA 8260	cis-1,2-Dichloroethene	12.2	ug/kg	4.9	11/27/13 17:33	
EPA 8260	Trichloroethene	972	ug/kg	479	12/01/13 13:19	
ASTM D2974-87	Percent Moisture	18.3	%	0.10	12/02/13 16:57	
92180392010	**CTS-SB-16-10-11**					
EPA 8260	Acetone	80.7J	ug/kg	109	11/27/13 17:53	
EPA 8260	cis-1,2-Dichloroethene	4.7J	ug/kg	5.4	11/27/13 17:53	
EPA 8260	Trichloroethene	495	ug/kg	139	12/01/13 13:39	
ASTM D2974-87	Percent Moisture	22.4	%	0.10	12/02/13 16:57	
92180392011	**CTS-SB-01-4-5**					
EPA 8260	Acetone	130	ug/kg	101	11/27/13 18:12	A+
EPA 8260	2-Butanone (MEK)	30.8J	ug/kg	101	11/27/13 18:12	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92180392011	**CTS-SB-01-4-5**					
EPA 8260	2-Hexanone	6.3J	ug/kg	50.6	11/27/13 18:12	
EPA 8260	Trichloroethene	34.9	ug/kg	5.1	11/27/13 18:12	
ASTM D2974-87	Percent Moisture	10.5	%	0.10	12/02/13 16:45	
92180392012	**CTS-SB-01-7-8**					
EPA 8260	Acetone	80.3J	ug/kg	92.7	11/27/13 18:32	
EPA 8260	2-Butanone (MEK)	14.3J	ug/kg	92.7	11/27/13 18:32	
EPA 8260	Trichloroethene	75.3	ug/kg	4.6	11/27/13 18:32	
ASTM D2974-87	Percent Moisture	8.5	%	0.10	12/02/13 16:45	
92180392013	**CTS-SB-01-11-12**					
EPA 8260	Acetone	76.4J	ug/kg	107	11/27/13 18:52	
EPA 8260	cis-1,2-Dichloroethene	10.2	ug/kg	5.4	11/27/13 18:52	
EPA 8260	Trichloroethene	2630	ug/kg	532	12/01/13 13:59	
ASTM D2974-87	Percent Moisture	20.2	%	0.10	12/02/13 16:46	
92180392014	**CTS-SB-15-4-5**					
EPA 8260	Acetone	476J	ug/kg	2690	11/27/13 19:11	
EPA 8260	cis-1,2-Dichloroethene	219	ug/kg	135	11/27/13 19:11	
EPA 8260	Methyl acetate	760	ug/kg	269	11/27/13 19:11	
EPA 8260	Tetrachloroethene	299	ug/kg	135	11/27/13 19:11	
EPA 8260	1,1,1-Trichloroethane	432	ug/kg	135	11/27/13 19:11	
EPA 8260	Trichloroethene	14800	ug/kg	1080	12/01/13 14:18	
ASTM D2974-87	Percent Moisture	12.5	%	0.10	12/02/13 16:46	
92180392015	**CTS-SB-15-7-8**					
EPA 8260	Acetone	498	ug/kg	100	11/29/13 17:22	E
EPA 8260	2-Butanone (MEK)	101	ug/kg	100	11/29/13 17:22	
EPA 8260	cis-1,2-Dichloroethene	5.8	ug/kg	5.0	11/29/13 17:22	
EPA 8260	2-Hexanone	12.5J	ug/kg	50.0	11/29/13 17:22	
EPA 8260	Trichloroethene	34.7	ug/kg	5.0	11/29/13 17:22	
ASTM D2974-87	Percent Moisture	12.1	%	0.10	12/02/13 16:46	
92180392016	**CTS-SB-15-11-12**					
EPA 8260	Acetone	66.8J	ug/kg	113	11/27/13 19:51	
EPA 8260	cis-1,2-Dichloroethene	19.1	ug/kg	5.7	11/27/13 19:51	
EPA 8260	1,1,1-Trichloroethane	2.5J	ug/kg	5.7	11/27/13 19:51	
EPA 8260	Trichloroethene	127	ug/kg	5.7	11/27/13 19:51	
ASTM D2974-87	Percent Moisture	17.8	%	0.10	12/02/13 16:46	
92180392017	**CTS-SB-14-3-4**					
EPA 8270 by SIM	Benzo(g,h,i)perylene	73.6J	ug/kg	125	11/26/13 17:01	
EPA 8270 by SIM	Dibenz(a,h)anthracene	74.1J	ug/kg	125	11/26/13 17:01	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	70.8J	ug/kg	125	11/26/13 17:01	
EPA 8260	Acetone	72.0J	ug/kg	97.5	11/27/13 20:10	
EPA 8260	cis-1,2-Dichloroethene	6.9	ug/kg	4.9	11/27/13 20:10	
EPA 8260	Trichloroethene	52.0	ug/kg	4.9	11/27/13 20:10	
ASTM D2974-87	Percent Moisture	20.0	%	0.10	12/02/13 16:46	

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SUMMARY OF DETECTION

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92180392018	**CTS-SB-14-7-8**					
EPA 8260	Acetone	30.5J	ug/kg	105	11/27/13 20:30	
EPA 8260	cis-1,2-Dichloroethene	2.2J	ug/kg	5.3	11/27/13 20:30	
EPA 8260	Trichloroethene	7.3	ug/kg	5.3	11/27/13 20:30	
ASTM D2974-87	Percent Moisture	12.9	%	0.10	12/02/13 16:46	
92180392019	**CTS-SB-14-10-11**					
EPA 8260	Acetone	49.8J	ug/kg	105	11/29/13 18:21	
EPA 8260	1,4-Dichlorobenzene	2.1J	ug/kg	5.3	11/29/13 18:21	
EPA 8260	cis-1,2-Dichloroethene	3.8J	ug/kg	5.3	11/29/13 18:21	
EPA 8260	Trichloroethene	7.2	ug/kg	5.3	11/29/13 18:21	
ASTM D2974-87	Percent Moisture	13.6	%	0.10	12/02/13 16:46	
92180392020	**CTS-SB-11-3-5**					
EPA 8260	Acetone	23.2J	ug/kg	116	11/27/13 20:50	
EPA 8260	Trichloroethene	3.3J	ug/kg	5.8	11/27/13 20:50	
ASTM D2974-87	Percent Moisture	13.1	%	0.10	12/02/13 16:47	
92180392021	**CTS-SB-11-7-8**					
EPA 8260	Trichloroethene	3.2J	ug/kg	5.7	11/29/13 18:40	
ASTM D2974-87	Percent Moisture	15.3	%	0.10	12/02/13 16:47	
92180392022	**CTS-SB-11-14-15**					
EPA 8260	Acetone	62.6J	ug/kg	114	11/29/13 19:00	
EPA 8260	Chloroform	2.3J	ug/kg	5.7	11/29/13 19:00	
EPA 8260	1,4-Dioxane (p-Dioxane)	187	ug/kg	171	11/29/13 19:00	
EPA 8260	Trichloroethene	50.1	ug/kg	5.7	11/29/13 19:00	
ASTM D2974-87	Percent Moisture	20.1	%	0.10	12/02/13 16:47	
92180392023	**CTS-SB-20-3-4**					
EPA 8260	Acetone	274	ug/kg	98.8	11/29/13 19:19	A+
EPA 8260	2-Butanone (MEK)	37.5J	ug/kg	98.8	11/29/13 19:19	
EPA 8260	Tetrachloroethene	8.9	ug/kg	4.9	11/29/13 19:19	
EPA 8260	1,1,1-Trichloroethane	193	ug/kg	4.9	11/29/13 19:19	
EPA 8260	Trichloroethene	307	ug/kg	110	12/01/13 12:40	
ASTM D2974-87	Percent Moisture	14.9	%	0.10	12/02/13 16:47	
92180392024	**CTS-SB-20-9-10**					
EPA 8270 by SIM	Benzo(a)anthracene	1.8J	ug/kg	11.1	11/27/13 12:01	
EPA 8270 by SIM	Benzo(k)fluoranthene	2.1J	ug/kg	11.1	11/27/13 12:01	
EPA 8270 by SIM	Chrysene	2.4J	ug/kg	11.1	11/27/13 12:01	
EPA 8260	Acetone	77.3J	ug/kg	86.9	11/29/13 19:39	
EPA 8260	cis-1,2-Dichloroethene	2.0J	ug/kg	4.3	11/29/13 19:39	
EPA 8260	1,1,1-Trichloroethane	2.4J	ug/kg	4.3	11/29/13 19:39	
EPA 8260	Trichloroethene	10.5	ug/kg	4.3	11/29/13 19:39	
ASTM D2974-87	Percent Moisture	10	%	0.10	12/02/13 16:47	
92180392025	**CTS-SB-20-14-15**					
EPA 8270 by SIM	Benzo(a)anthracene	8.7J	ug/kg	59.1	11/27/13 12:21	
EPA 8270 by SIM	Benzo(b)fluoranthene	7.3J	ug/kg	59.1	11/27/13 12:21	
EPA 8270 by SIM	Benzo(k)fluoranthene	11.2J	ug/kg	59.1	11/27/13 12:21	

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SUMMARY OF DETECTION

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92180392025	**CTS-SB-20-14-15**					
EPA 8270 by SIM	Chrysene	11.1J	ug/kg	59.1	11/27/13 12:21	
EPA 8270 by SIM	1-Methylnaphthalene	53.6J	ug/kg	59.1	11/27/13 12:21	
EPA 8270 by SIM	2-Methylnaphthalene	46.2J	ug/kg	59.1	11/27/13 12:21	
EPA 8270 by SIM	Phenanthrene	42.1J	ug/kg	59.1	11/27/13 12:21	
EPA 8270 by SIM	Pyrene	208	ug/kg	59.1	11/27/13 12:21	
EPA 8260	cis-1,2-Dichloroethene	35.8J	ug/kg	117	11/29/13 19:59	
EPA 8260	Methyl acetate	491	ug/kg	234	11/29/13 19:59	
EPA 8260	Tetrachloroethene	153	ug/kg	117	11/29/13 19:59	
EPA 8260	Trichloroethene	712	ug/kg	117	11/29/13 19:59	
ASTM D2974-87	Percent Moisture	15.4	%	0.10	12/02/13 16:47	
92180392026	**CTS-SB-22-4-5**					
EPA 8270 by SIM	Benzo(a)anthracene	1.3J	ug/kg	11.7	11/27/13 12:41	
EPA 8260	Acetone	19.3J	ug/kg	104	11/29/13 20:18	
ASTM D2974-87	Percent Moisture	14.3	%	0.10	12/02/13 16:47	
92180392027	**CTS-SB-22-9-10**					
EPA 8270 by SIM	Benzo(a)anthracene	0.97J	ug/kg	12.0	11/27/13 13:01	
EPA 8270 by SIM	Benzo(b)fluoranthene	1.3J	ug/kg	12.0	11/27/13 13:01	
EPA 8270 by SIM	Benzo(k)fluoranthene	2.2J	ug/kg	12.0	11/27/13 13:01	
EPA 8260	Acetone	112	ug/kg	106	11/29/13 20:38	A+
EPA 8260	2-Butanone (MEK)	19.5J	ug/kg	106	11/29/13 20:38	
ASTM D2974-87	Percent Moisture	16.4	%	0.10	12/02/13 16:47	
92180392028	**CTS-SB-22-12-13**					
EPA 8260	Acetone	50.2J	ug/kg	109	11/29/13 20:58	
ASTM D2974-87	Percent Moisture	16.0	%	0.10	12/02/13 16:47	
92180392029	**CTS-SB-07-0-1**					
EPA 8270 by SIM	Benzo(a)anthracene	0.90J	ug/kg	12.0	11/27/13 14:01	
EPA 8270 by SIM	Fluoranthene	1.1J	ug/kg	12.0	11/27/13 14:01	
EPA 8260	Acetone	81.6J	ug/kg	104	11/29/13 21:17	
ASTM D2974-87	Percent Moisture	16.9	%	0.10	12/02/13 16:48	
92180392030	**CTS-SB-07-9-10**					
EPA 8260	Acetone	439	ug/kg	122	11/29/13 21:37	
EPA 8260	Methyl acetate	15.0	ug/kg	12.2	11/29/13 21:37	
ASTM D2974-87	Percent Moisture	16.9	%	0.10	12/02/13 16:48	
92180392031	**CTS-SB-07-13-14**					
EPA 8260	Acetone	55.7J	ug/kg	102	11/29/13 21:57	
ASTM D2974-87	Percent Moisture	19.2	%	0.10	12/02/13 17:03	
92180392032	**CTSCSS-SB-208-4-5**					
EPA 8270 by SIM	Benzo(a)pyrene	2.8J	ug/kg	12.3	11/27/13 15:01	
EPA 8270 by SIM	Benzo(b)fluoranthene	2.7J	ug/kg	12.3	11/27/13 15:01	
EPA 8270 by SIM	Benzo(g,h,i)perylene	4.1J	ug/kg	12.3	11/27/13 15:01	
EPA 8270 by SIM	Benzo(k)fluoranthene	3.3J	ug/kg	12.3	11/27/13 15:01	
EPA 8270 by SIM	Dibenz(a,h)anthracene	4.1J	ug/kg	12.3	11/27/13 15:01	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	4.1J	ug/kg	12.3	11/27/13 15:01	

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SUMMARY OF DETECTION

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92180392032	**CTSCSS-SB-208-4-5**					
EPA 8260	Acetone	184	ug/kg	99.7	11/29/13 22:16	A+
EPA 8260	Trichloroethene	2.6J	ug/kg	5.0	11/29/13 22:16	
ASTM D2974-87	Percent Moisture	18.9	%	0.10	12/02/13 17:07	
92180392033	**CTSCSS-SB-208-12-13**					
EPA 8260	Acetone	91.7J	ug/kg	101	11/29/13 22:36	
EPA 8260	Methyl acetate	16.8	ug/kg	10.1	11/29/13 22:36	
ASTM D2974-87	Percent Moisture	24.9	%	0.10	12/02/13 17:04	
92180392034	**CTSCSS-SB-208-7-9**					
EPA 8260	Acetone	106	ug/kg	102	11/29/13 22:55	A+
ASTM D2974-87	Percent Moisture	16.6	%	0.10	12/02/13 17:04	
92180392035	**CTS-SB-12-2-3**					
EPA 8260	Acetone	128	ug/kg	97.6	11/29/13 23:15	A+
ASTM D2974-87	Percent Moisture	10.1	%	0.10	12/02/13 17:04	
92180392036	**CTS-SB-12-9-10**					
EPA 8260	Acetone	219	ug/kg	109	11/29/13 23:35	A+
EPA 8260	2-Butanone (MEK)	32.3J	ug/kg	109	11/29/13 23:35	
ASTM D2974-87	Percent Moisture	10.8	%	0.10	12/02/13 17:04	
92180392037	**CTS-SB-12-14-15**					
EPA 8270 by SIM	Acenaphthylene	3.5J	ug/kg	12.8	11/27/13 17:21	
EPA 8270 by SIM	Fluorene	6.3J	ug/kg	12.8	11/27/13 17:21	
EPA 8270 by SIM	Pyrene	13.4	ug/kg	12.8	11/27/13 17:21	
EPA 8260	Methyl acetate	410	ug/kg	272	11/29/13 23:55	
ASTM D2974-87	Percent Moisture	21.7	%	0.10	12/02/13 17:05	
92180392038	**CTSCSS-SB-204-0-1**					
EPA 8260	Acetone	13.8J	ug/kg	105	11/30/13 00:14	
ASTM D2974-87	Percent Moisture	9.7	%	0.10	12/02/13 17:05	
92180392039	**CTSCSS-SB-204-9-10**					
EPA 8260	Acetone	54.4J	ug/kg	113	11/30/13 00:34	
ASTM D2974-87	Percent Moisture	16.9	%	0.10	12/02/13 17:05	
92180392040	**CTSCSS-SB-204-11-12**					
EPA 8260	Acetone	67.7J	ug/kg	101	11/30/13 00:54	
EPA 8260	Trichloroethene	6.0	ug/kg	5.1	11/30/13 00:54	
ASTM D2974-87	Percent Moisture	16.8	%	0.10	12/02/13 17:05	
92180392041	**CTSCSS-SB-205-0-1**					
EPA 8260	Acetone	57.3J	ug/kg	102	11/30/13 01:13	
EPA 8260	Trichloroethene	5.0J	ug/kg	5.1	11/30/13 01:13	
ASTM D2974-87	Percent Moisture	12.4	%	0.10	12/02/13 17:05	
92180392042	**CTSCSS-SB-205-6-7**					
EPA 8260	Acetone	55.9J	ug/kg	95.8	12/01/13 14:57	
EPA 8260	Trichloroethene	7.3	ug/kg	4.8	12/01/13 14:57	
ASTM D2974-87	Percent Moisture	13.9	%	0.10	12/02/13 17:05	

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SUMMARY OF DETECTION

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92180392043	**CTSCSS-SB-205-14-15**					
EPA 8270	Biphenyl (Diphenyl)	2880	ug/kg	414	11/26/13 01:00	
EPA 8270 by SIM	Acenaphthene	414J	ug/kg	628	11/26/13 20:41	
EPA 8270 by SIM	Anthracene	531J	ug/kg	628	11/26/13 20:41	
EPA 8270 by SIM	Fluoranthene	137J	ug/kg	628	11/26/13 20:41	
EPA 8270 by SIM	Fluorene	1140	ug/kg	628	11/26/13 20:41	
EPA 8270 by SIM	1-Methylnaphthalene	28200	ug/kg	628	11/26/13 20:41	
EPA 8270 by SIM	2-Methylnaphthalene	25800	ug/kg	628	11/26/13 20:41	
EPA 8270 by SIM	Phenanthrene	9610	ug/kg	628	11/26/13 20:41	
EPA 8270 by SIM	Pyrene	519J	ug/kg	628	11/26/13 20:41	
EPA 8260	Ethylbenzene	719	ug/kg	564	12/01/13 15:17	
EPA 8260	Isopropylbenzene (Cumene)	706	ug/kg	564	12/01/13 15:17	
EPA 8260	Trichloroethene	19400	ug/kg	564	12/01/13 15:17	
EPA 8260	o-Xylene	1850	ug/kg	564	12/01/13 15:17	
ASTM D2974-87	Percent Moisture	20.3	%	0.10	12/02/13 17:05	

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PROJECT NARRATIVE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Method: **EPA 8270**
Description: 8270 MSSV Microwave
Client: AMEC, Asheville
Date: December 04, 2013

General Information:
41 samples were analyzed for EPA 8270. 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.

QC Batch: OEXT/24872

P3: Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
- CTS-SB-20-3-4 (Lab ID: 92180392023)

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.

QC Batch: OEXT/24868

S0: Surrogate recovery outside laboratory control limits.
- CTS-SB-11-7-8 (Lab ID: 92180392021)
  - 2-Fluorobiphenyl (S)
- CTS-SB-16-10-11 (Lab ID: 92180392010)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- CTS-SB-15-4-5 (Lab ID: 92180392014)
  - 2-Fluorobiphenyl (S)

QC Batch: OEXT/24872

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- CTS-SB-20-3-4 (Lab ID: 92180392023)
  - 2-Fluorobiphenyl (S)

QC Batch: OEXT/24961

S2: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).
- CTS-SB-22-4-5 (Lab ID: 92180392026)

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PROJECT NARRATIVE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Method: **EPA 8270**
Description: 8270 MSSV Microwave
Client: AMEC, Asheville
Date: December 04, 2013

QC Batch: OEXT/24961

S2: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

- 2,4,6-Tribromophenol (S)
- Phenol-d6 (S)

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

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

QC Batch: OEXT/24868

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1092412)
  - 2,3,4,6-Tetrachlorophenol
  - Benzaldehyde

QC Batch: OEXT/24872

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1092638)
  - 2,3,4,6-Tetrachlorophenol
  - 2,4-Dichlorophenol
  - Benzaldehyde
  - Pentachlorophenol

QC Batch: OEXT/24880

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1092803)
  - 2,3,4,6-Tetrachlorophenol
  - Benzaldehyde
  - Pentachlorophenol
- LCSD (Lab ID: 1092804)
  - 2,3,4,6-Tetrachlorophenol
  - Benzaldehyde

QC Batch: OEXT/24961

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1095381)
  - 2,3,4,6-Tetrachlorophenol
  - Atrazine
  - Benzaldehyde
- LCSD (Lab ID: 1095382)
  - 2,3,4,6-Tetrachlorophenol
  - 2,4-Dichlorophenol
  - Benzaldehyde
  - Pentachlorophenol

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PROJECT NARRATIVE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Method: **EPA 8270**
Description: 8270 MSSV Microwave
Client: AMEC, Asheville
Date: December 04, 2013

QC Batch: OEXT/24961

R1: RPD value was outside control limits.

- LCSD (Lab ID: 1095382)
  - 1,2,4,5-Tetrachlorobenzene
  - 2,2'-Oxybis(1-chloropropane)
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Nitrophenol
  - 3&4-Methylphenol(m&p Cresol)
  - Acetophenone
  - Biphenyl (Diphenyl)
  - Hexachloro-1,3-butadiene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Isophorone
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - Phenol
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether

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

QC Batch: OEXT/24868

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92180392020

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

- MS (Lab ID: 1092413)
  - Benzaldehyde
- MSD (Lab ID: 1092414)
  - Benzaldehyde

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 1092414)
  - Biphenyl (Diphenyl)

QC Batch: OEXT/24872

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92180392034

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

- MS (Lab ID: 1092639)
  - Benzaldehyde
- MSD (Lab ID: 1092640)
  - Benzaldehyde

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PROJECT NARRATIVE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Method: **EPA 8270**
Description: 8270 MSSV Microwave
Client: AMEC, Asheville
Date: December 04, 2013

QC Batch: OEXT/24872

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92180392034

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1092639)
  - Biphenyl (Diphenyl)
- MSD (Lab ID: 1092640)
  - Biphenyl (Diphenyl)

Additional Comments:

Analyte Comments:

QC Batch: OEXT/24868

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

- CTS-SB-15-4-5 (Lab ID: 92180392014)
  - 2-Fluorobiphenyl (S)

QC Batch: OEXT/24872

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

- CTS-SB-20-3-4 (Lab ID: 92180392023)
  - 2-Fluorobiphenyl (S)

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PROJECT NARRATIVE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Method: **EPA 8270 by SIM**
Description: 8270 MSSV MW PAH by SIM
Client: AMEC, Asheville
Date: December 04, 2013

General Information:
41 samples were analyzed for EPA 8270 by SIM. 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.

QC Batch: OEXT/24866

P3: Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
- CTS-SB-20-3-4 (Lab ID: 92180392023)

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.

QC Batch: OEXT/24865

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- CTS-SB-14-3-4 (Lab ID: 92180392017)
  - Nitrobenzene-d5 (S)
- CTS-SB-15-4-5 (Lab ID: 92180392014)
  - Nitrobenzene-d5 (S)

QC Batch: OEXT/24866

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- CTS-SB-20-3-4 (Lab ID: 92180392023)
  - Nitrobenzene-d5 (S)

S5: Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).
- CTS-SB-20-14-15 (Lab ID: 92180392025)
  - Nitrobenzene-d5 (S)

QC Batch: OEXT/24878

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- CTSCSS-SB-205-14-15 (Lab ID: 92180392043)
  - Nitrobenzene-d5 (S)

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PROJECT NARRATIVE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Method: **EPA 8270 by SIM**
Description: 8270 MSSV MW PAH by SIM
Client: AMEC, Asheville
Date: December 04, 2013

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

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

QC Batch: OEXT/24866

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1092335)
  - Benzo(k)fluoranthene

QC Batch: OEXT/24878

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1092783)
  - 2-Methylnaphthalene
- LCSD (Lab ID: 1092784)
  - 2-Methylnaphthalene
  - Fluoranthene

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

QC Batch: OEXT/24865

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92180392020

R1: RPD value was outside control limits.

- MSD (Lab ID: 1092279)
  - 1-Methylnaphthalene
  - 2-Methylnaphthalene
  - Acenaphthene
  - Acenaphthylene
  - Fluorene

QC Batch: OEXT/24866

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92180392034

R1: RPD value was outside control limits.

- MSD (Lab ID: 1092337)
  - 1-Methylnaphthalene
  - 2-Methylnaphthalene
  - Acenaphthene
  - Acenaphthylene
  - Fluorene
  - Naphthalene
  - Phenanthrene

Additional Comments:

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PROJECT NARRATIVE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Method: **EPA 8270 by SIM**
Description: 8270 MSSV MW PAH by SIM
Client: AMEC, Asheville
Date: December 04, 2013

Analyte Comments:

QC Batch: OEXT/24865

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- CTS-SB-14-3-4 (Lab ID: 92180392017)
  - Nitrobenzene-d5 (S)
- CTS-SB-15-4-5 (Lab ID: 92180392014)
  - Nitrobenzene-d5 (S)

QC Batch: OEXT/24866

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- CTS-SB-20-14-15 (Lab ID: 92180392025)
  - Nitrobenzene-d5 (S)
- CTS-SB-20-3-4 (Lab ID: 92180392023)
  - Nitrobenzene-d5 (S)

QC Batch: OEXT/24878

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- CTSCSS-SB-205-14-15 (Lab ID: 92180392043)
  - Nitrobenzene-d5 (S)

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PROJECT NARRATIVE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Method: **EPA 8260**
Description: 8260/5035A Volatile Organics
Client: AMEC, Asheville
Date: December 04, 2013

General Information:
43 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, where applicable, 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/25095

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: 1096502)
  - Cyclohexane
  - Methyl acetate

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

QC Batch: MSV/25057

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92180392020

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

- MS (Lab ID: 1095420)
  - Tetrachloroethene

QC Batch: MSV/25086

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92180392034

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

- MS (Lab ID: 1096332)
  - Acetone

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Method: **EPA 8260**
Description: 8260/5035A Volatile Organics
Client: AMEC, Asheville
Date: December 04, 2013

QC Batch: MSV/25086

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92180392034

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

- Styrene
- MSD (Lab ID: 1096333)
  - Styrene

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

QC Batch: MSV/25095

R1: RPD value was outside control limits.

- DUP (Lab ID: 1096618)
  - Acetone

Additional Comments:

Analyte Comments:

QC Batch: MSV/25086

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

- CTS-SB-20-14-15 (Lab ID: 92180392025)
  - Dichlorodifluoromethane

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- CTS-SB-15-7-8 (Lab ID: 92180392015)
  - Acetone

QC Batch: MSV/25088

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

- CTS-SB-12-14-15 (Lab ID: 92180392037)
  - Dichlorodifluoromethane

QC Batch: MSV/25095

1g: The internal standard response is below criteria. No hits associated with this internal standard. Results unaffected by high bias.

- CTSCSS-SB-205-14-15 (Lab ID: 92180392043)
  - Dichlorodifluoromethane

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

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-STB-04 **Lab ID: 92180392001** Collected: 11/19/13 00:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	100	10.0	1		11/27/13 13:37	67-64-1	
Benzene	ND	ug/kg	5.0	1.6	1		11/27/13 13:37	71-43-2	
Bromochloromethane	ND	ug/kg	5.0	1.7	1		11/27/13 13:37	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1.9	1		11/27/13 13:37	75-27-4	
Bromoform	ND	ug/kg	5.0	2.3	1		11/27/13 13:37	75-25-2	
Bromomethane	ND	ug/kg	10.0	2.5	1		11/27/13 13:37	74-83-9	
2-Butanone (MEK)	ND	ug/kg	100	2.9	1		11/27/13 13:37	78-93-3	
Carbon disulfide	ND	ug/kg	10.0	3.0	1		11/27/13 13:37	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	2.6	1		11/27/13 13:37	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1.9	1		11/27/13 13:37	108-90-7	
Chloroethane	ND	ug/kg	10.0	2.4	1		11/27/13 13:37	75-00-3	
Chloroform	ND	ug/kg	5.0	1.6	1		11/27/13 13:37	67-66-3	
Chloromethane	ND	ug/kg	10.0	2.4	1		11/27/13 13:37	74-87-3	
Cyclohexane	ND	ug/kg	5.0	1.6	1		11/27/13 13:37	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	3.6	1		11/27/13 13:37	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1.8	1		11/27/13 13:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1.8	1		11/27/13 13:37	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1.9	1		11/27/13 13:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	2.0	1		11/27/13 13:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1.7	1		11/27/13 13:37	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.0	3.6	1		11/27/13 13:37	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1.5	1		11/27/13 13:37	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	2.2	1		11/27/13 13:37	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1.8	1		11/27/13 13:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1.4	1		11/27/13 13:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1.9	1		11/27/13 13:37	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1.7	1		11/27/13 13:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1.8	1		11/27/13 13:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1.5	1		11/27/13 13:37	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	150	120	1		11/27/13 13:37	123-91-1	
Ethylbenzene	ND	ug/kg	5.0	1.8	1		11/27/13 13:37	100-41-4	
2-Hexanone	ND	ug/kg	50.0	3.9	1		11/27/13 13:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1.9	1		11/27/13 13:37	98-82-8	
Methyl acetate	ND	ug/kg	10.0	1.4	1		11/27/13 13:37	79-20-9	
Methylcyclohexane	ND	ug/kg	10.0	1.5	1		11/27/13 13:37	108-87-2	
Methylene Chloride	ND	ug/kg	20.0	3.0	1		11/27/13 13:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.0	3.7	1		11/27/13 13:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1.5	1		11/27/13 13:37	1634-04-4	
Styrene	ND	ug/kg	5.0	1.8	1		11/27/13 13:37	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1.9	1		11/27/13 13:37	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1.7	1		11/27/13 13:37	127-18-4	
Toluene	ND	ug/kg	5.0	1.8	1		11/27/13 13:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	2.2	1		11/27/13 13:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1.6	1		11/27/13 13:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1.8	1		11/27/13 13:37	71-55-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-STB-04 **Lab ID: 92180392001** Collected: 11/19/13 00:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/kg	5.0	2.1	1		11/27/13 13:37	79-00-5	
Trichloroethene	ND	ug/kg	5.0	2.1	1		11/27/13 13:37	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	2.2	1		11/27/13 13:37	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.0	1.9	1		11/27/13 13:37	76-13-1	
Vinyl chloride	ND	ug/kg	10.0	1.8	1		11/27/13 13:37	75-01-4	
m&p-Xylene	ND	ug/kg	10.0	3.6	1		11/27/13 13:37	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1.9	1		11/27/13 13:37	95-47-6	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		11/27/13 13:37	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		11/27/13 13:37	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-132		1		11/27/13 13:37	17060-07-0	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-STB-05 **Lab ID: 92180392002** Collected: 11/20/13 00:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	100	10.0	1		11/27/13 13:57	67-64-1	
Benzene	ND	ug/kg	5.0	1.6	1		11/27/13 13:57	71-43-2	
Bromochloromethane	ND	ug/kg	5.0	1.7	1		11/27/13 13:57	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1.9	1		11/27/13 13:57	75-27-4	
Bromoform	ND	ug/kg	5.0	2.3	1		11/27/13 13:57	75-25-2	
Bromomethane	ND	ug/kg	10.0	2.5	1		11/27/13 13:57	74-83-9	
2-Butanone (MEK)	ND	ug/kg	100	2.9	1		11/27/13 13:57	78-93-3	
Carbon disulfide	ND	ug/kg	10.0	3.0	1		11/27/13 13:57	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	2.6	1		11/27/13 13:57	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1.9	1		11/27/13 13:57	108-90-7	
Chloroethane	ND	ug/kg	10.0	2.4	1		11/27/13 13:57	75-00-3	
Chloroform	ND	ug/kg	5.0	1.6	1		11/27/13 13:57	67-66-3	
Chloromethane	ND	ug/kg	10.0	2.4	1		11/27/13 13:57	74-87-3	
Cyclohexane	ND	ug/kg	5.0	1.6	1		11/27/13 13:57	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	3.6	1		11/27/13 13:57	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1.8	1		11/27/13 13:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1.8	1		11/27/13 13:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1.9	1		11/27/13 13:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	2.0	1		11/27/13 13:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1.7	1		11/27/13 13:57	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.0	3.6	1		11/27/13 13:57	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1.5	1		11/27/13 13:57	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	2.2	1		11/27/13 13:57	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1.8	1		11/27/13 13:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1.4	1		11/27/13 13:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1.9	1		11/27/13 13:57	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1.7	1		11/27/13 13:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1.8	1		11/27/13 13:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1.5	1		11/27/13 13:57	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	150	120	1		11/27/13 13:57	123-91-1	
Ethylbenzene	ND	ug/kg	5.0	1.8	1		11/27/13 13:57	100-41-4	
2-Hexanone	ND	ug/kg	50.0	3.9	1		11/27/13 13:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1.9	1		11/27/13 13:57	98-82-8	
Methyl acetate	ND	ug/kg	10.0	1.4	1		11/27/13 13:57	79-20-9	
Methylcyclohexane	ND	ug/kg	10.0	1.5	1		11/27/13 13:57	108-87-2	
Methylene Chloride	ND	ug/kg	20.0	3.0	1		11/27/13 13:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.0	3.7	1		11/27/13 13:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1.5	1		11/27/13 13:57	1634-04-4	
Styrene	ND	ug/kg	5.0	1.8	1		11/27/13 13:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1.9	1		11/27/13 13:57	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1.7	1		11/27/13 13:57	127-18-4	
Toluene	ND	ug/kg	5.0	1.8	1		11/27/13 13:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	2.2	1		11/27/13 13:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1.6	1		11/27/13 13:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1.8	1		11/27/13 13:57	71-55-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-STB-05 **Lab ID: 92180392002** Collected: 11/20/13 00:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
1,1,2-Trichloroethane	ND	ug/kg	5.0	2.1	1		11/27/13 13:57	79-00-5	
Trichloroethene	ND	ug/kg	5.0	2.1	1		11/27/13 13:57	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	2.2	1		11/27/13 13:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.0	1.9	1		11/27/13 13:57	76-13-1	
Vinyl chloride	ND	ug/kg	10.0	1.8	1		11/27/13 13:57	75-01-4	
m&p-Xylene	ND	ug/kg	10.0	3.6	1		11/27/13 13:57	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1.9	1		11/27/13 13:57	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/27/13 13:57	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-130		1		11/27/13 13:57	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-132		1		11/27/13 13:57	17060-07-0	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-503 **Lab ID: 92180392003** Collected: 11/19/13 16:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	417	215	1	11/22/13 10:50	11/25/13 13:36	98-86-2	
Atrazine	ND	ug/kg	834	164	1	11/22/13 10:50	11/25/13 13:36	1912-24-9	
Benzaldehyde	ND	ug/kg	834	417	1	11/22/13 10:50	11/25/13 13:36	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	417	131	1	11/22/13 10:50	11/25/13 13:36	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	417	75.8	1	11/22/13 10:50	11/25/13 13:36	101-55-3	
Butylbenzylphthalate	ND	ug/kg	417	88.5	1	11/22/13 10:50	11/25/13 13:36	85-68-7	
Caprolactam	ND	ug/kg	417	72.1	1	11/22/13 10:50	11/25/13 13:36	105-60-2	
Carbazole	ND	ug/kg	417	79.6	1	11/22/13 10:50	11/25/13 13:36	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	834	86.0	1	11/22/13 10:50	11/25/13 13:36	59-50-7	
4-Chloroaniline	ND	ug/kg	2090	116	1	11/22/13 10:50	11/25/13 13:36	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	417	97.3	1	11/22/13 10:50	11/25/13 13:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	417	106	1	11/22/13 10:50	11/25/13 13:36	111-44-4	
2-Chloronaphthalene	ND	ug/kg	417	82.2	1	11/22/13 10:50	11/25/13 13:36	91-58-7	
2-Chlorophenol	ND	ug/kg	417	114	1	11/22/13 10:50	11/25/13 13:36	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	417	86.0	1	11/22/13 10:50	11/25/13 13:36	7005-72-3	
Dibenzofuran	ND	ug/kg	417	68.3	1	11/22/13 10:50	11/25/13 13:36	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2090	91.0	1	11/22/13 10:50	11/25/13 13:36	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	417	91.0	1	11/22/13 10:50	11/25/13 13:36	120-83-2	
Diethylphthalate	ND	ug/kg	417	64.5	1	11/22/13 10:50	11/25/13 13:36	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	417	164	1	11/22/13 10:50	11/25/13 13:36	105-67-9	
Dimethylphthalate	ND	ug/kg	417	84.7	1	11/22/13 10:50	11/25/13 13:36	131-11-3	
Di-n-butylphthalate	ND	ug/kg	417	68.3	1	11/22/13 10:50	11/25/13 13:36	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	834	83.4	1	11/22/13 10:50	11/25/13 13:36	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2090	68.3	1	11/22/13 10:50	11/25/13 13:36	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	417	78.4	1	11/22/13 10:50	11/25/13 13:36	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	417	87.2	1	11/22/13 10:50	11/25/13 13:36	606-20-2	
Di-n-octylphthalate	ND	ug/kg	417	87.2	1	11/22/13 10:50	11/25/13 13:36	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	417	114	1	11/22/13 10:50	11/25/13 13:36	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	417	72.1	1	11/22/13 10:50	11/25/13 13:36	87-68-3	
Hexachlorobenzene	ND	ug/kg	417	53.1	1	11/22/13 10:50	11/25/13 13:36	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	417	77.1	1	11/22/13 10:50	11/25/13 13:36	77-47-4	
Hexachloroethane	ND	ug/kg	417	110	1	11/22/13 10:50	11/25/13 13:36	67-72-1	
Isophorone	ND	ug/kg	417	93.5	1	11/22/13 10:50	11/25/13 13:36	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	417	126	1	11/22/13 10:50	11/25/13 13:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	417	164	1	11/22/13 10:50	11/25/13 13:36		
2-Nitroaniline	ND	ug/kg	2090	129	1	11/22/13 10:50	11/25/13 13:36	88-74-4	
3-Nitroaniline	ND	ug/kg	2090	114	1	11/22/13 10:50	11/25/13 13:36	99-09-2	
4-Nitroaniline	ND	ug/kg	834	118	1	11/22/13 10:50	11/25/13 13:36	100-01-6	
Nitrobenzene	ND	ug/kg	417	114	1	11/22/13 10:50	11/25/13 13:36	98-95-3	
2-Nitrophenol	ND	ug/kg	417	101	1	11/22/13 10:50	11/25/13 13:36	88-75-5	
4-Nitrophenol	ND	ug/kg	2090	74.6	1	11/22/13 10:50	11/25/13 13:36	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	417	79.6	1	11/22/13 10:50	11/25/13 13:36	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	417	124	1	11/22/13 10:50	11/25/13 13:36	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	417	111	1	11/22/13 10:50	11/25/13 13:36	108-60-1	
Pentachlorophenol	ND	ug/kg	2090	75.8	1	11/22/13 10:50	11/25/13 13:36	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-503 **Lab ID: 92180392003** Collected: 11/19/13 16:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	417	125	1	11/22/13 10:50	11/25/13 13:36	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	417	152	1	11/22/13 10:50	11/25/13 13:36	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	417	164	1	11/22/13 10:50	11/25/13 13:36	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	417	129	1	11/22/13 10:50	11/25/13 13:36	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	417	92.3	1	11/22/13 10:50	11/25/13 13:36	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	56	%	30-110		1	11/22/13 10:50	11/25/13 13:36	321-60-8	
Terphenyl-d14 (S)	57	%	28-110		1	11/22/13 10:50	11/25/13 13:36	1718-51-0	
Phenol-d6 (S)	47	%	22-110		1	11/22/13 10:50	11/25/13 13:36	13127-88-3	
2-Fluorophenol (S)	47	%	13-110		1	11/22/13 10:50	11/25/13 13:36	367-12-4	
2,4,6-Tribromophenol (S)	48	%	27-110		1	11/22/13 10:50	11/25/13 13:36	118-79-6	
Nitrobenzene-d5 (S)	56	%	23-110		1	11/22/13 10:50	11/25/13 13:36	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.6	1.9	1	11/22/13 09:15	11/26/13 11:53	83-32-9	
Acenaphthylene	ND	ug/kg	12.6	1.6	1	11/22/13 09:15	11/26/13 11:53	208-96-8	
Anthracene	ND	ug/kg	12.6	1.8	1	11/22/13 09:15	11/26/13 11:53	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.6	0.90	1	11/22/13 09:15	11/26/13 11:53	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.6	1.4	1	11/22/13 09:15	11/26/13 11:53	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.6	0.85	1	11/22/13 09:15	11/26/13 11:53	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.6	3.3	1	11/22/13 09:15	11/26/13 11:53	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.6	1.9	1	11/22/13 09:15	11/26/13 11:53	207-08-9	
Chrysene	ND	ug/kg	12.6	2.3	1	11/22/13 09:15	11/26/13 11:53	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.6	2.3	1	11/22/13 09:15	11/26/13 11:53	53-70-3	
Fluoranthene	ND	ug/kg	12.6	1.0	1	11/22/13 09:15	11/26/13 11:53	206-44-0	
Fluorene	ND	ug/kg	12.6	2.0	1	11/22/13 09:15	11/26/13 11:53	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.6	3.5	1	11/22/13 09:15	11/26/13 11:53	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.6	1.5	1	11/22/13 09:15	11/26/13 11:53	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.6	1.4	1	11/22/13 09:15	11/26/13 11:53	91-57-6	
Naphthalene	ND	ug/kg	12.6	2.9	1	11/22/13 09:15	11/26/13 11:53	91-20-3	
Phenanthrene	ND	ug/kg	12.6	1.9	1	11/22/13 09:15	11/26/13 11:53	85-01-8	
Pyrene	ND	ug/kg	12.6	2.3	1	11/22/13 09:15	11/26/13 11:53	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	50	%	10-128		1	11/22/13 09:15	11/26/13 11:53	4165-60-0	
2-Fluorobiphenyl (S)	49	%	10-110		1	11/22/13 09:15	11/26/13 11:53	321-60-8	
Terphenyl-d14 (S)	74	%	39-119		1	11/22/13 09:15	11/26/13 11:53	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**34.7J**	ug/kg	106	10.6	1		11/27/13 15:35	67-64-1	
Benzene	ND	ug/kg	5.3	1.7	1		11/27/13 15:35	71-43-2	
Bromochloromethane	ND	ug/kg	5.3	1.8	1		11/27/13 15:35	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	2.0	1		11/27/13 15:35	75-27-4	
Bromoform	ND	ug/kg	5.3	2.4	1		11/27/13 15:35	75-25-2	
Bromomethane	ND	ug/kg	10.6	2.7	1		11/27/13 15:35	74-83-9	
2-Butanone (MEK)	ND	ug/kg	106	3.1	1		11/27/13 15:35	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-503 **Lab ID: 92180392003** Collected: 11/19/13 16:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.6	3.2	1		11/27/13 15:35	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	2.8	1		11/27/13 15:35	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	2.0	1		11/27/13 15:35	108-90-7	
Chloroethane	ND	ug/kg	10.6	2.5	1		11/27/13 15:35	75-00-3	
Chloroform	**2.6J**	ug/kg	5.3	1.7	1		11/27/13 15:35	67-66-3	
Chloromethane	ND	ug/kg	10.6	2.5	1		11/27/13 15:35	74-87-3	
Cyclohexane	ND	ug/kg	5.3	1.7	1		11/27/13 15:35	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	3.8	1		11/27/13 15:35	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1.9	1		11/27/13 15:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1.9	1		11/27/13 15:35	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.3	2.0	1		11/27/13 15:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	2.1	1		11/27/13 15:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1.8	1		11/27/13 15:35	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.6	3.8	1		11/27/13 15:35	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1.6	1		11/27/13 15:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	2.3	1		11/27/13 15:35	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1.9	1		11/27/13 15:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1.5	1		11/27/13 15:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	2.0	1		11/27/13 15:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1.8	1		11/27/13 15:35	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1.9	1		11/27/13 15:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1.6	1		11/27/13 15:35	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	159	127	1		11/27/13 15:35	123-91-1	
Ethylbenzene	ND	ug/kg	5.3	1.9	1		11/27/13 15:35	100-41-4	
2-Hexanone	ND	ug/kg	53.0	4.1	1		11/27/13 15:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	2.0	1		11/27/13 15:35	98-82-8	
Methyl acetate	ND	ug/kg	10.6	1.5	1		11/27/13 15:35	79-20-9	
Methylcyclohexane	ND	ug/kg	10.6	1.6	1		11/27/13 15:35	108-87-2	
Methylene Chloride	ND	ug/kg	21.2	3.2	1		11/27/13 15:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	53.0	3.9	1		11/27/13 15:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1.6	1		11/27/13 15:35	1634-04-4	
Styrene	ND	ug/kg	5.3	1.9	1		11/27/13 15:35	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	2.0	1		11/27/13 15:35	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1.8	1		11/27/13 15:35	127-18-4	
Toluene	ND	ug/kg	5.3	1.9	1		11/27/13 15:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	2.3	1		11/27/13 15:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1.7	1		11/27/13 15:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1.9	1		11/27/13 15:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	2.2	1		11/27/13 15:35	79-00-5	
Trichloroethene	**67.8**	ug/kg	5.3	2.2	1		11/27/13 15:35	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	2.3	1		11/27/13 15:35	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.3	2.0	1		11/27/13 15:35	76-13-1	
Vinyl chloride	ND	ug/kg	10.6	1.9	1		11/27/13 15:35	75-01-4	
m&p-Xylene	ND	ug/kg	10.6	3.8	1		11/27/13 15:35	179601-23-1	
o-Xylene	ND	ug/kg	5.3	2.0	1		11/27/13 15:35	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-503 **Lab ID: 92180392003** Collected: 11/19/13 16:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/27/13 15:35	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		1		11/27/13 15:35	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-132		1		11/27/13 15:35	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.9**	%	0.10	0.10	1		12/02/13 16:57		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-504 **Lab ID: 92180392004** Collected: 11/20/13 14:45 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	422	217	1	11/22/13 10:50	11/25/13 16:10	98-86-2	
Atrazine	ND	ug/kg	844	166	1	11/22/13 10:50	11/25/13 16:10	1912-24-9	
Benzaldehyde	ND	ug/kg	844	422	1	11/22/13 10:50	11/25/13 16:10	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	422	133	1	11/22/13 10:50	11/25/13 16:10	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	422	76.7	1	11/22/13 10:50	11/25/13 16:10	101-55-3	
Butylbenzylphthalate	ND	ug/kg	422	89.5	1	11/22/13 10:50	11/25/13 16:10	85-68-7	
Caprolactam	ND	ug/kg	422	72.9	1	11/22/13 10:50	11/25/13 16:10	105-60-2	
Carbazole	ND	ug/kg	422	80.5	1	11/22/13 10:50	11/25/13 16:10	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	844	86.9	1	11/22/13 10:50	11/25/13 16:10	59-50-7	
4-Chloroaniline	ND	ug/kg	2110	118	1	11/22/13 10:50	11/25/13 16:10	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	422	98.4	1	11/22/13 10:50	11/25/13 16:10	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	422	107	1	11/22/13 10:50	11/25/13 16:10	111-44-4	
2-Chloronaphthalene	ND	ug/kg	422	83.1	1	11/22/13 10:50	11/25/13 16:10	91-58-7	
2-Chlorophenol	ND	ug/kg	422	115	1	11/22/13 10:50	11/25/13 16:10	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	422	86.9	1	11/22/13 10:50	11/25/13 16:10	7005-72-3	
Dibenzofuran	ND	ug/kg	422	69.0	1	11/22/13 10:50	11/25/13 16:10	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2110	92.0	1	11/22/13 10:50	11/25/13 16:10	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	422	92.0	1	11/22/13 10:50	11/25/13 16:10	120-83-2	
Diethylphthalate	ND	ug/kg	422	65.2	1	11/22/13 10:50	11/25/13 16:10	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	422	166	1	11/22/13 10:50	11/25/13 16:10	105-67-9	
Dimethylphthalate	ND	ug/kg	422	85.7	1	11/22/13 10:50	11/25/13 16:10	131-11-3	
Di-n-butylphthalate	ND	ug/kg	422	69.0	1	11/22/13 10:50	11/25/13 16:10	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	844	84.4	1	11/22/13 10:50	11/25/13 16:10	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2110	69.0	1	11/22/13 10:50	11/25/13 16:10	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	422	79.3	1	11/22/13 10:50	11/25/13 16:10	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	422	88.2	1	11/22/13 10:50	11/25/13 16:10	606-20-2	
Di-n-octylphthalate	ND	ug/kg	422	88.2	1	11/22/13 10:50	11/25/13 16:10	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	422	115	1	11/22/13 10:50	11/25/13 16:10	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	422	72.9	1	11/22/13 10:50	11/25/13 16:10	87-68-3	
Hexachlorobenzene	ND	ug/kg	422	53.7	1	11/22/13 10:50	11/25/13 16:10	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	422	78.0	1	11/22/13 10:50	11/25/13 16:10	77-47-4	
Hexachloroethane	ND	ug/kg	422	111	1	11/22/13 10:50	11/25/13 16:10	67-72-1	
Isophorone	ND	ug/kg	422	94.6	1	11/22/13 10:50	11/25/13 16:10	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	422	128	1	11/22/13 10:50	11/25/13 16:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	422	166	1	11/22/13 10:50	11/25/13 16:10		
2-Nitroaniline	ND	ug/kg	2110	130	1	11/22/13 10:50	11/25/13 16:10	88-74-4	
3-Nitroaniline	ND	ug/kg	2110	115	1	11/22/13 10:50	11/25/13 16:10	99-09-2	
4-Nitroaniline	ND	ug/kg	844	119	1	11/22/13 10:50	11/25/13 16:10	100-01-6	
Nitrobenzene	ND	ug/kg	422	115	1	11/22/13 10:50	11/25/13 16:10	98-95-3	
2-Nitrophenol	ND	ug/kg	422	102	1	11/22/13 10:50	11/25/13 16:10	88-75-5	
4-Nitrophenol	ND	ug/kg	2110	75.4	1	11/22/13 10:50	11/25/13 16:10	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	422	80.5	1	11/22/13 10:50	11/25/13 16:10	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	422	125	1	11/22/13 10:50	11/25/13 16:10	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	422	112	1	11/22/13 10:50	11/25/13 16:10	108-60-1	
Pentachlorophenol	ND	ug/kg	2110	76.7	1	11/22/13 10:50	11/25/13 16:10	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-504 **Lab ID: 92180392004** Collected: 11/20/13 14:45 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	422	127	1	11/22/13 10:50	11/25/13 16:10	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	422	153	1	11/22/13 10:50	11/25/13 16:10	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	422	166	1	11/22/13 10:50	11/25/13 16:10	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	422	130	1	11/22/13 10:50	11/25/13 16:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	422	93.3	1	11/22/13 10:50	11/25/13 16:10	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	54	%	30-110		1	11/22/13 10:50	11/25/13 16:10	321-60-8	
Terphenyl-d14 (S)	49	%	28-110		1	11/22/13 10:50	11/25/13 16:10	1718-51-0	
Phenol-d6 (S)	48	%	22-110		1	11/22/13 10:50	11/25/13 16:10	13127-88-3	
2-Fluorophenol (S)	46	%	13-110		1	11/22/13 10:50	11/25/13 16:10	367-12-4	
2,4,6-Tribromophenol (S)	57	%	27-110		1	11/22/13 10:50	11/25/13 16:10	118-79-6	
Nitrobenzene-d5 (S)	53	%	23-110		1	11/22/13 10:50	11/25/13 16:10	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.8	1.9	1	11/22/13 09:15	11/26/13 12:14	83-32-9	
Acenaphthylene	ND	ug/kg	12.8	1.7	1	11/22/13 09:15	11/26/13 12:14	208-96-8	
Anthracene	ND	ug/kg	12.8	1.8	1	11/22/13 09:15	11/26/13 12:14	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.8	0.91	1	11/22/13 09:15	11/26/13 12:14	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.8	1.4	1	11/22/13 09:15	11/26/13 12:14	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.8	0.86	1	11/22/13 09:15	11/26/13 12:14	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.8	3.3	1	11/22/13 09:15	11/26/13 12:14	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.8	1.9	1	11/22/13 09:15	11/26/13 12:14	207-08-9	
Chrysene	ND	ug/kg	12.8	2.3	1	11/22/13 09:15	11/26/13 12:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.8	2.3	1	11/22/13 09:15	11/26/13 12:14	53-70-3	
Fluoranthene	ND	ug/kg	12.8	1.1	1	11/22/13 09:15	11/26/13 12:14	206-44-0	
Fluorene	ND	ug/kg	12.8	2.0	1	11/22/13 09:15	11/26/13 12:14	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.8	3.6	1	11/22/13 09:15	11/26/13 12:14	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.8	1.5	1	11/22/13 09:15	11/26/13 12:14	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.8	1.4	1	11/22/13 09:15	11/26/13 12:14	91-57-6	
Naphthalene	ND	ug/kg	12.8	2.9	1	11/22/13 09:15	11/26/13 12:14	91-20-3	
Phenanthrene	ND	ug/kg	12.8	1.9	1	11/22/13 09:15	11/26/13 12:14	85-01-8	
Pyrene	**15.4**	ug/kg	12.8	2.3	1	11/22/13 09:15	11/26/13 12:14	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	65	%	10-128		1	11/22/13 09:15	11/26/13 12:14	4165-60-0	
2-Fluorobiphenyl (S)	54	%	10-110		1	11/22/13 09:15	11/26/13 12:14	321-60-8	
Terphenyl-d14 (S)	68	%	39-119		1	11/22/13 09:15	11/26/13 12:14	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**279**	ug/kg	109	10.9	1		11/27/13 15:55	67-64-1	A+
Benzene	ND	ug/kg	5.5	1.7	1		11/27/13 15:55	71-43-2	
Bromochloromethane	ND	ug/kg	5.5	1.9	1		11/27/13 15:55	74-97-5	
Bromodichloromethane	ND	ug/kg	5.5	2.1	1		11/27/13 15:55	75-27-4	
Bromoform	ND	ug/kg	5.5	2.5	1		11/27/13 15:55	75-25-2	
Bromomethane	ND	ug/kg	10.9	2.7	1		11/27/13 15:55	74-83-9	
2-Butanone (MEK)	**38.2J**	ug/kg	109	3.2	1		11/27/13 15:55	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-504 **Lab ID: 92180392004** Collected: 11/20/13 14:45 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.9	3.3	1		11/27/13 15:55	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.5	2.8	1		11/27/13 15:55	56-23-5	
Chlorobenzene	ND	ug/kg	5.5	2.1	1		11/27/13 15:55	108-90-7	
Chloroethane	ND	ug/kg	10.9	2.6	1		11/27/13 15:55	75-00-3	
Chloroform	ND	ug/kg	5.5	1.7	1		11/27/13 15:55	67-66-3	
Chloromethane	ND	ug/kg	10.9	2.6	1		11/27/13 15:55	74-87-3	
Cyclohexane	ND	ug/kg	5.5	1.7	1		11/27/13 15:55	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.5	3.9	1		11/27/13 15:55	96-12-8	
Dibromochloromethane	ND	ug/kg	5.5	2.0	1		11/27/13 15:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.5	2.0	1		11/27/13 15:55	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.5	2.1	1		11/27/13 15:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.5	2.2	1		11/27/13 15:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.5	1.9	1		11/27/13 15:55	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.9	3.9	1		11/27/13 15:55	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.5	1.6	1		11/27/13 15:55	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.5	2.4	1		11/27/13 15:55	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.5	2.0	1		11/27/13 15:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.5	1.5	1		11/27/13 15:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.5	2.1	1		11/27/13 15:55	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.5	1.9	1		11/27/13 15:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.5	2.0	1		11/27/13 15:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.5	1.6	1		11/27/13 15:55	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	164	131	1		11/27/13 15:55	123-91-1	
Ethylbenzene	ND	ug/kg	5.5	2.0	1		11/27/13 15:55	100-41-4	
2-Hexanone	ND	ug/kg	54.6	4.3	1		11/27/13 15:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.5	2.1	1		11/27/13 15:55	98-82-8	
Methyl acetate	ND	ug/kg	10.9	1.5	1		11/27/13 15:55	79-20-9	
Methylcyclohexane	ND	ug/kg	10.9	1.6	1		11/27/13 15:55	108-87-2	
Methylene Chloride	ND	ug/kg	21.9	3.3	1		11/27/13 15:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	54.6	4.0	1		11/27/13 15:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.5	1.6	1		11/27/13 15:55	1634-04-4	
Styrene	ND	ug/kg	5.5	2.0	1		11/27/13 15:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.5	2.1	1		11/27/13 15:55	79-34-5	
Tetrachloroethene	ND	ug/kg	5.5	1.9	1		11/27/13 15:55	127-18-4	
Toluene	ND	ug/kg	5.5	2.0	1		11/27/13 15:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.5	2.4	1		11/27/13 15:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.5	1.7	1		11/27/13 15:55	120-82-1	
1,1,1-Trichloroethane	**2.7J**	ug/kg	5.5	2.0	1		11/27/13 15:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.5	2.3	1		11/27/13 15:55	79-00-5	
Trichloroethene	**16.2**	ug/kg	5.5	2.3	1		11/27/13 15:55	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.5	2.4	1		11/27/13 15:55	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.5	2.1	1		11/27/13 15:55	76-13-1	
Vinyl chloride	ND	ug/kg	10.9	2.0	1		11/27/13 15:55	75-01-4	
m&p-Xylene	ND	ug/kg	10.9	3.9	1		11/27/13 15:55	179601-23-1	
o-Xylene	ND	ug/kg	5.5	2.1	1		11/27/13 15:55	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-504 **Lab ID: 92180392004** Collected: 11/20/13 14:45 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		11/27/13 15:55	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130		1		11/27/13 15:55	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-132		1		11/27/13 15:55	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.8**	%	0.10	0.10	1		12/02/13 16:57		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-13-2-3 **Lab ID: 92180392005** Collected: 11/19/13 09:30 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	402	207	1	11/22/13 10:50	11/25/13 14:31	98-86-2	
Atrazine	ND	ug/kg	804	158	1	11/22/13 10:50	11/25/13 14:31	1912-24-9	
Benzaldehyde	ND	ug/kg	804	402	1	11/22/13 10:50	11/25/13 14:31	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	402	127	1	11/22/13 10:50	11/25/13 14:31	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	402	73.1	1	11/22/13 10:50	11/25/13 14:31	101-55-3	
Butylbenzylphthalate	ND	ug/kg	402	85.3	1	11/22/13 10:50	11/25/13 14:31	85-68-7	
Caprolactam	ND	ug/kg	402	69.4	1	11/22/13 10:50	11/25/13 14:31	105-60-2	
Carbazole	ND	ug/kg	402	76.7	1	11/22/13 10:50	11/25/13 14:31	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	804	82.8	1	11/22/13 10:50	11/25/13 14:31	59-50-7	
4-Chloroaniline	ND	ug/kg	2010	112	1	11/22/13 10:50	11/25/13 14:31	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	402	93.8	1	11/22/13 10:50	11/25/13 14:31	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	402	102	1	11/22/13 10:50	11/25/13 14:31	111-44-4	
2-Chloronaphthalene	ND	ug/kg	402	79.2	1	11/22/13 10:50	11/25/13 14:31	91-58-7	
2-Chlorophenol	ND	ug/kg	402	110	1	11/22/13 10:50	11/25/13 14:31	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	402	82.8	1	11/22/13 10:50	11/25/13 14:31	7005-72-3	
Dibenzofuran	ND	ug/kg	402	65.8	1	11/22/13 10:50	11/25/13 14:31	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2010	87.7	1	11/22/13 10:50	11/25/13 14:31	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	402	87.7	1	11/22/13 10:50	11/25/13 14:31	120-83-2	
Diethylphthalate	ND	ug/kg	402	62.1	1	11/22/13 10:50	11/25/13 14:31	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	402	158	1	11/22/13 10:50	11/25/13 14:31	105-67-9	
Dimethylphthalate	ND	ug/kg	402	81.6	1	11/22/13 10:50	11/25/13 14:31	131-11-3	
Di-n-butylphthalate	ND	ug/kg	402	65.8	1	11/22/13 10:50	11/25/13 14:31	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	804	80.4	1	11/22/13 10:50	11/25/13 14:31	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2010	65.8	1	11/22/13 10:50	11/25/13 14:31	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	402	75.5	1	11/22/13 10:50	11/25/13 14:31	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	402	84.1	1	11/22/13 10:50	11/25/13 14:31	606-20-2	
Di-n-octylphthalate	ND	ug/kg	402	84.1	1	11/22/13 10:50	11/25/13 14:31	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	402	110	1	11/22/13 10:50	11/25/13 14:31	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	402	69.4	1	11/22/13 10:50	11/25/13 14:31	87-68-3	
Hexachlorobenzene	ND	ug/kg	402	51.2	1	11/22/13 10:50	11/25/13 14:31	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	402	74.3	1	11/22/13 10:50	11/25/13 14:31	77-47-4	
Hexachloroethane	ND	ug/kg	402	106	1	11/22/13 10:50	11/25/13 14:31	67-72-1	
Isophorone	ND	ug/kg	402	90.1	1	11/22/13 10:50	11/25/13 14:31	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	402	122	1	11/22/13 10:50	11/25/13 14:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	402	158	1	11/22/13 10:50	11/25/13 14:31		
2-Nitroaniline	ND	ug/kg	2010	124	1	11/22/13 10:50	11/25/13 14:31	88-74-4	
3-Nitroaniline	ND	ug/kg	2010	110	1	11/22/13 10:50	11/25/13 14:31	99-09-2	
4-Nitroaniline	ND	ug/kg	804	113	1	11/22/13 10:50	11/25/13 14:31	100-01-6	
Nitrobenzene	ND	ug/kg	402	110	1	11/22/13 10:50	11/25/13 14:31	98-95-3	
2-Nitrophenol	ND	ug/kg	402	97.5	1	11/22/13 10:50	11/25/13 14:31	88-75-5	
4-Nitrophenol	ND	ug/kg	2010	71.9	1	11/22/13 10:50	11/25/13 14:31	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	402	76.7	1	11/22/13 10:50	11/25/13 14:31	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	402	119	1	11/22/13 10:50	11/25/13 14:31	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	402	107	1	11/22/13 10:50	11/25/13 14:31	108-60-1	
Pentachlorophenol	ND	ug/kg	2010	73.1	1	11/22/13 10:50	11/25/13 14:31	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-13-2-3 **Lab ID: 92180392005** Collected: 11/19/13 09:30 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	402	121	1	11/22/13 10:50	11/25/13 14:31	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	402	146	1	11/22/13 10:50	11/25/13 14:31	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	402	158	1	11/22/13 10:50	11/25/13 14:31	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	402	124	1	11/22/13 10:50	11/25/13 14:31	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	402	88.9	1	11/22/13 10:50	11/25/13 14:31	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	54	%	30-110		1	11/22/13 10:50	11/25/13 14:31	321-60-8	
Terphenyl-d14 (S)	59	%	28-110		1	11/22/13 10:50	11/25/13 14:31	1718-51-0	
Phenol-d6 (S)	49	%	22-110		1	11/22/13 10:50	11/25/13 14:31	13127-88-3	
2-Fluorophenol (S)	47	%	13-110		1	11/22/13 10:50	11/25/13 14:31	367-12-4	
2,4,6-Tribromophenol (S)	46	%	27-110		1	11/22/13 10:50	11/25/13 14:31	118-79-6	
Nitrobenzene-d5 (S)	53	%	23-110		1	11/22/13 10:50	11/25/13 14:31	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.2	1.8	1	11/22/13 09:15	11/26/13 12:34	83-32-9	
Acenaphthylene	ND	ug/kg	12.2	1.6	1	11/22/13 09:15	11/26/13 12:34	208-96-8	
Anthracene	ND	ug/kg	12.2	1.7	1	11/22/13 09:15	11/26/13 12:34	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.2	0.86	1	11/22/13 09:15	11/26/13 12:34	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.2	1.3	1	11/22/13 09:15	11/26/13 12:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.2	0.82	1	11/22/13 09:15	11/26/13 12:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.2	3.2	1	11/22/13 09:15	11/26/13 12:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.2	1.8	1	11/22/13 09:15	11/26/13 12:34	207-08-9	
Chrysene	ND	ug/kg	12.2	2.2	1	11/22/13 09:15	11/26/13 12:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.2	2.2	1	11/22/13 09:15	11/26/13 12:34	53-70-3	
Fluoranthene	ND	ug/kg	12.2	1.0	1	11/22/13 09:15	11/26/13 12:34	206-44-0	
Fluorene	ND	ug/kg	12.2	1.9	1	11/22/13 09:15	11/26/13 12:34	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.2	3.4	1	11/22/13 09:15	11/26/13 12:34	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.2	1.5	1	11/22/13 09:15	11/26/13 12:34	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.2	1.3	1	11/22/13 09:15	11/26/13 12:34	91-57-6	
Naphthalene	ND	ug/kg	12.2	2.8	1	11/22/13 09:15	11/26/13 12:34	91-20-3	
Phenanthrene	ND	ug/kg	12.2	1.8	1	11/22/13 09:15	11/26/13 12:34	85-01-8	
Pyrene	ND	ug/kg	12.2	2.2	1	11/22/13 09:15	11/26/13 12:34	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	55	%	10-128		1	11/22/13 09:15	11/26/13 12:34	4165-60-0	
2-Fluorobiphenyl (S)	54	%	10-110		1	11/22/13 09:15	11/26/13 12:34	321-60-8	
Terphenyl-d14 (S)	63	%	39-119		1	11/22/13 09:15	11/26/13 12:34	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**46.5J**	ug/kg	107	10.7	1		11/27/13 16:14	67-64-1	
Benzene	ND	ug/kg	5.4	1.7	1		11/27/13 16:14	71-43-2	
Bromochloromethane	ND	ug/kg	5.4	1.8	1		11/27/13 16:14	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	2.0	1		11/27/13 16:14	75-27-4	
Bromoform	ND	ug/kg	5.4	2.5	1		11/27/13 16:14	75-25-2	
Bromomethane	ND	ug/kg	10.7	2.7	1		11/27/13 16:14	74-83-9	
2-Butanone (MEK)	ND	ug/kg	107	3.1	1		11/27/13 16:14	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-13-2-3 **Lab ID: 92180392005** Collected: 11/19/13 09:30 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.7	3.2	1		11/27/13 16:14	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.4	2.8	1		11/27/13 16:14	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	2.0	1		11/27/13 16:14	108-90-7	
Chloroethane	ND	ug/kg	10.7	2.6	1		11/27/13 16:14	75-00-3	
Chloroform	ND	ug/kg	5.4	1.7	1		11/27/13 16:14	67-66-3	
Chloromethane	ND	ug/kg	10.7	2.6	1		11/27/13 16:14	74-87-3	
Cyclohexane	ND	ug/kg	5.4	1.7	1		11/27/13 16:14	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.4	3.9	1		11/27/13 16:14	96-12-8	
Dibromochloromethane	ND	ug/kg	5.4	1.9	1		11/27/13 16:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	1.9	1		11/27/13 16:14	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.4	2.0	1		11/27/13 16:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	2.1	1		11/27/13 16:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	1.8	1		11/27/13 16:14	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.7	3.9	1		11/27/13 16:14	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.4	1.6	1		11/27/13 16:14	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	2.4	1		11/27/13 16:14	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.4	1.9	1		11/27/13 16:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1.5	1		11/27/13 16:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	2.0	1		11/27/13 16:14	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1.8	1		11/27/13 16:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1.9	1		11/27/13 16:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1.6	1		11/27/13 16:14	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	161	129	1		11/27/13 16:14	123-91-1	
Ethylbenzene	ND	ug/kg	5.4	1.9	1		11/27/13 16:14	100-41-4	
2-Hexanone	ND	ug/kg	53.6	4.2	1		11/27/13 16:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	2.0	1		11/27/13 16:14	98-82-8	
Methyl acetate	ND	ug/kg	10.7	1.5	1		11/27/13 16:14	79-20-9	
Methylcyclohexane	**1.6J**	ug/kg	10.7	1.6	1		11/27/13 16:14	108-87-2	
Methylene Chloride	ND	ug/kg	21.4	3.2	1		11/27/13 16:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	53.6	4.0	1		11/27/13 16:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	1.6	1		11/27/13 16:14	1634-04-4	
Styrene	ND	ug/kg	5.4	1.9	1		11/27/13 16:14	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	2.0	1		11/27/13 16:14	79-34-5	
Tetrachloroethene	ND	ug/kg	5.4	1.8	1		11/27/13 16:14	127-18-4	
Toluene	ND	ug/kg	5.4	1.9	1		11/27/13 16:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	2.4	1		11/27/13 16:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1.7	1		11/27/13 16:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.4	1.9	1		11/27/13 16:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	2.3	1		11/27/13 16:14	79-00-5	
Trichloroethene	**17.3**	ug/kg	5.4	2.3	1		11/27/13 16:14	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.4	2.4	1		11/27/13 16:14	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.4	2.0	1		11/27/13 16:14	76-13-1	
Vinyl chloride	ND	ug/kg	10.7	1.9	1		11/27/13 16:14	75-01-4	
m&p-Xylene	ND	ug/kg	10.7	3.9	1		11/27/13 16:14	179601-23-1	
o-Xylene	ND	ug/kg	5.4	2.0	1		11/27/13 16:14	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-13-2-3 **Lab ID: 92180392005** Collected: 11/19/13 09:30 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		11/27/13 16:14	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		11/27/13 16:14	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-132		1		11/27/13 16:14	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.9**	%	0.10	0.10	1		12/02/13 16:57		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-13-5-6 **Lab ID: 92180392006** Collected: 11/19/13 09:45 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	387	199	1	11/22/13 10:50	11/25/13 16:39	98-86-2	
Atrazine	ND	ug/kg	774	152	1	11/22/13 10:50	11/25/13 16:39	1912-24-9	
Benzaldehyde	ND	ug/kg	774	387	1	11/22/13 10:50	11/25/13 16:39	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	387	122	1	11/22/13 10:50	11/25/13 16:39	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	387	70.3	1	11/22/13 10:50	11/25/13 16:39	101-55-3	
Butylbenzylphthalate	ND	ug/kg	387	82.1	1	11/22/13 10:50	11/25/13 16:39	85-68-7	
Caprolactam	ND	ug/kg	387	66.8	1	11/22/13 10:50	11/25/13 16:39	105-60-2	
Carbazole	ND	ug/kg	387	73.8	1	11/22/13 10:50	11/25/13 16:39	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	774	79.7	1	11/22/13 10:50	11/25/13 16:39	59-50-7	
4-Chloroaniline	ND	ug/kg	1930	108	1	11/22/13 10:50	11/25/13 16:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	387	90.3	1	11/22/13 10:50	11/25/13 16:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	387	98.5	1	11/22/13 10:50	11/25/13 16:39	111-44-4	
2-Chloronaphthalene	ND	ug/kg	387	76.2	1	11/22/13 10:50	11/25/13 16:39	91-58-7	
2-Chlorophenol	ND	ug/kg	387	105	1	11/22/13 10:50	11/25/13 16:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	387	79.7	1	11/22/13 10:50	11/25/13 16:39	7005-72-3	
Dibenzofuran	ND	ug/kg	387	63.3	1	11/22/13 10:50	11/25/13 16:39	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1930	84.4	1	11/22/13 10:50	11/25/13 16:39	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	387	84.4	1	11/22/13 10:50	11/25/13 16:39	120-83-2	
Diethylphthalate	ND	ug/kg	387	59.8	1	11/22/13 10:50	11/25/13 16:39	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	387	152	1	11/22/13 10:50	11/25/13 16:39	105-67-9	
Dimethylphthalate	ND	ug/kg	387	78.5	1	11/22/13 10:50	11/25/13 16:39	131-11-3	
Di-n-butylphthalate	ND	ug/kg	387	63.3	1	11/22/13 10:50	11/25/13 16:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	774	77.4	1	11/22/13 10:50	11/25/13 16:39	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1930	63.3	1	11/22/13 10:50	11/25/13 16:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	387	72.7	1	11/22/13 10:50	11/25/13 16:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	387	80.9	1	11/22/13 10:50	11/25/13 16:39	606-20-2	
Di-n-octylphthalate	ND	ug/kg	387	80.9	1	11/22/13 10:50	11/25/13 16:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	387	105	1	11/22/13 10:50	11/25/13 16:39	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	387	66.8	1	11/22/13 10:50	11/25/13 16:39	87-68-3	
Hexachlorobenzene	ND	ug/kg	387	49.2	1	11/22/13 10:50	11/25/13 16:39	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	387	71.5	1	11/22/13 10:50	11/25/13 16:39	77-47-4	
Hexachloroethane	ND	ug/kg	387	102	1	11/22/13 10:50	11/25/13 16:39	67-72-1	
Isophorone	ND	ug/kg	387	86.7	1	11/22/13 10:50	11/25/13 16:39	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	387	117	1	11/22/13 10:50	11/25/13 16:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	387	152	1	11/22/13 10:50	11/25/13 16:39		
2-Nitroaniline	ND	ug/kg	1930	120	1	11/22/13 10:50	11/25/13 16:39	88-74-4	
3-Nitroaniline	ND	ug/kg	1930	105	1	11/22/13 10:50	11/25/13 16:39	99-09-2	
4-Nitroaniline	ND	ug/kg	774	109	1	11/22/13 10:50	11/25/13 16:39	100-01-6	
Nitrobenzene	ND	ug/kg	387	105	1	11/22/13 10:50	11/25/13 16:39	98-95-3	
2-Nitrophenol	ND	ug/kg	387	93.8	1	11/22/13 10:50	11/25/13 16:39	88-75-5	
4-Nitrophenol	ND	ug/kg	1930	69.2	1	11/22/13 10:50	11/25/13 16:39	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	387	73.8	1	11/22/13 10:50	11/25/13 16:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	387	115	1	11/22/13 10:50	11/25/13 16:39	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	387	103	1	11/22/13 10:50	11/25/13 16:39	108-60-1	
Pentachlorophenol	ND	ug/kg	1930	70.3	1	11/22/13 10:50	11/25/13 16:39	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-13-5-6 **Lab ID: 92180392006** Collected: 11/19/13 09:45 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	387	116	1	11/22/13 10:50	11/25/13 16:39	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	387	141	1	11/22/13 10:50	11/25/13 16:39	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	387	152	1	11/22/13 10:50	11/25/13 16:39	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	387	120	1	11/22/13 10:50	11/25/13 16:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	387	85.6	1	11/22/13 10:50	11/25/13 16:39	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	48	%	30-110		1	11/22/13 10:50	11/25/13 16:39	321-60-8	
Terphenyl-d14 (S)	54	%	28-110		1	11/22/13 10:50	11/25/13 16:39	1718-51-0	
Phenol-d6 (S)	45	%	22-110		1	11/22/13 10:50	11/25/13 16:39	13127-88-3	
2-Fluorophenol (S)	42	%	13-110		1	11/22/13 10:50	11/25/13 16:39	367-12-4	
2,4,6-Tribromophenol (S)	40	%	27-110		1	11/22/13 10:50	11/25/13 16:39	118-79-6	
Nitrobenzene-d5 (S)	45	%	23-110		1	11/22/13 10:50	11/25/13 16:39	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.7	1.8	1	11/22/13 09:15	11/26/13 12:54	83-32-9	
Acenaphthylene	ND	ug/kg	11.7	1.5	1	11/22/13 09:15	11/26/13 12:54	208-96-8	
Anthracene	ND	ug/kg	11.7	1.6	1	11/22/13 09:15	11/26/13 12:54	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.7	0.83	1	11/22/13 09:15	11/26/13 12:54	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.7	1.3	1	11/22/13 09:15	11/26/13 12:54	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.7	0.79	1	11/22/13 09:15	11/26/13 12:54	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.7	3.0	1	11/22/13 09:15	11/26/13 12:54	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.7	1.8	1	11/22/13 09:15	11/26/13 12:54	207-08-9	
Chrysene	ND	ug/kg	11.7	2.1	1	11/22/13 09:15	11/26/13 12:54	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.7	2.1	1	11/22/13 09:15	11/26/13 12:54	53-70-3	
Fluoranthene	ND	ug/kg	11.7	0.97	1	11/22/13 09:15	11/26/13 12:54	206-44-0	
Fluorene	ND	ug/kg	11.7	1.9	1	11/22/13 09:15	11/26/13 12:54	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.7	3.3	1	11/22/13 09:15	11/26/13 12:54	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.7	1.4	1	11/22/13 09:15	11/26/13 12:54	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.7	1.3	1	11/22/13 09:15	11/26/13 12:54	91-57-6	
Naphthalene	ND	ug/kg	11.7	2.7	1	11/22/13 09:15	11/26/13 12:54	91-20-3	
Phenanthrene	ND	ug/kg	11.7	1.8	1	11/22/13 09:15	11/26/13 12:54	85-01-8	
Pyrene	ND	ug/kg	11.7	2.1	1	11/22/13 09:15	11/26/13 12:54	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	52	%	10-128		1	11/22/13 09:15	11/26/13 12:54	4165-60-0	
2-Fluorobiphenyl (S)	53	%	10-110		1	11/22/13 09:15	11/26/13 12:54	321-60-8	
Terphenyl-d14 (S)	66	%	39-119		1	11/22/13 09:15	11/26/13 12:54	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**29.5J**	ug/kg	97.2	9.7	1		11/27/13 16:34	67-64-1	
Benzene	ND	ug/kg	4.9	1.6	1		11/27/13 16:34	71-43-2	
Bromochloromethane	ND	ug/kg	4.9	1.7	1		11/27/13 16:34	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1.8	1		11/27/13 16:34	75-27-4	
Bromoform	ND	ug/kg	4.9	2.2	1		11/27/13 16:34	75-25-2	
Bromomethane	ND	ug/kg	9.7	2.4	1		11/27/13 16:34	74-83-9	
2-Butanone (MEK)	ND	ug/kg	97.2	2.8	1		11/27/13 16:34	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-13-5-6 **Lab ID: 92180392006** Collected: 11/19/13 09:45 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	9.7	2.9	1		11/27/13 16:34	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	2.5	1		11/27/13 16:34	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1.8	1		11/27/13 16:34	108-90-7	
Chloroethane	ND	ug/kg	9.7	2.3	1		11/27/13 16:34	75-00-3	
Chloroform	ND	ug/kg	4.9	1.6	1		11/27/13 16:34	67-66-3	
Chloromethane	ND	ug/kg	9.7	2.3	1		11/27/13 16:34	74-87-3	
Cyclohexane	ND	ug/kg	4.9	1.6	1		11/27/13 16:34	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	3.5	1		11/27/13 16:34	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1.7	1		11/27/13 16:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1.7	1		11/27/13 16:34	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1.8	1		11/27/13 16:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1.9	1		11/27/13 16:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1.7	1		11/27/13 16:34	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.7	3.5	1		11/27/13 16:34	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1.5	1		11/27/13 16:34	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	2.1	1		11/27/13 16:34	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1.7	1		11/27/13 16:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1.4	1		11/27/13 16:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1.8	1		11/27/13 16:34	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		11/27/13 16:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1.7	1		11/27/13 16:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1.5	1		11/27/13 16:34	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	146	117	1		11/27/13 16:34	123-91-1	
Ethylbenzene	ND	ug/kg	4.9	1.7	1		11/27/13 16:34	100-41-4	
2-Hexanone	ND	ug/kg	48.6	3.8	1		11/27/13 16:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1.8	1		11/27/13 16:34	98-82-8	
Methyl acetate	ND	ug/kg	9.7	1.4	1		11/27/13 16:34	79-20-9	
Methylcyclohexane	ND	ug/kg	9.7	1.5	1		11/27/13 16:34	108-87-2	
Methylene Chloride	ND	ug/kg	19.4	2.9	1		11/27/13 16:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.6	3.6	1		11/27/13 16:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1.5	1		11/27/13 16:34	1634-04-4	
Styrene	ND	ug/kg	4.9	1.7	1		11/27/13 16:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1.8	1		11/27/13 16:34	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1.7	1		11/27/13 16:34	127-18-4	
Toluene	ND	ug/kg	4.9	1.7	1		11/27/13 16:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	2.1	1		11/27/13 16:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1.6	1		11/27/13 16:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1.7	1		11/27/13 16:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	2.0	1		11/27/13 16:34	79-00-5	
Trichloroethene	ND	ug/kg	4.9	2.0	1		11/27/13 16:34	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	2.1	1		11/27/13 16:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.9	1.8	1		11/27/13 16:34	76-13-1	
Vinyl chloride	ND	ug/kg	9.7	1.7	1		11/27/13 16:34	75-01-4	
m&p-Xylene	ND	ug/kg	9.7	3.5	1		11/27/13 16:34	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1.8	1		11/27/13 16:34	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-13-5-6 **Lab ID: 92180392006** Collected: 11/19/13 09:45 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	96	%	70-130		1		11/27/13 16:34	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		11/27/13 16:34	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-132		1		11/27/13 16:34	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.7**	%	0.10	0.10	1		12/02/13 16:57		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-13-10-11 **Lab ID: 92180392007** Collected: 11/19/13 09:55 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	397	205	1	11/22/13 10:50	11/25/13 17:07	98-86-2	
Atrazine	ND	ug/kg	795	157	1	11/22/13 10:50	11/25/13 17:07	1912-24-9	
Benzaldehyde	ND	ug/kg	795	397	1	11/22/13 10:50	11/25/13 17:07	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	397	125	1	11/22/13 10:50	11/25/13 17:07	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	397	72.3	1	11/22/13 10:50	11/25/13 17:07	101-55-3	
Butylbenzylphthalate	ND	ug/kg	397	84.3	1	11/22/13 10:50	11/25/13 17:07	85-68-7	
Caprolactam	ND	ug/kg	397	68.7	1	11/22/13 10:50	11/25/13 17:07	105-60-2	
Carbazole	ND	ug/kg	397	75.9	1	11/22/13 10:50	11/25/13 17:07	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	795	81.9	1	11/22/13 10:50	11/25/13 17:07	59-50-7	
4-Chloroaniline	ND	ug/kg	1990	111	1	11/22/13 10:50	11/25/13 17:07	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	397	92.7	1	11/22/13 10:50	11/25/13 17:07	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	397	101	1	11/22/13 10:50	11/25/13 17:07	111-44-4	
2-Chloronaphthalene	ND	ug/kg	397	78.3	1	11/22/13 10:50	11/25/13 17:07	91-58-7	
2-Chlorophenol	ND	ug/kg	397	108	1	11/22/13 10:50	11/25/13 17:07	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	397	81.9	1	11/22/13 10:50	11/25/13 17:07	7005-72-3	
Dibenzofuran	ND	ug/kg	397	65.0	1	11/22/13 10:50	11/25/13 17:07	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1990	86.7	1	11/22/13 10:50	11/25/13 17:07	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	397	86.7	1	11/22/13 10:50	11/25/13 17:07	120-83-2	
Diethylphthalate	ND	ug/kg	397	61.4	1	11/22/13 10:50	11/25/13 17:07	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	397	157	1	11/22/13 10:50	11/25/13 17:07	105-67-9	
Dimethylphthalate	ND	ug/kg	397	80.7	1	11/22/13 10:50	11/25/13 17:07	131-11-3	
Di-n-butylphthalate	ND	ug/kg	397	65.0	1	11/22/13 10:50	11/25/13 17:07	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	795	79.5	1	11/22/13 10:50	11/25/13 17:07	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1990	65.0	1	11/22/13 10:50	11/25/13 17:07	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	397	74.7	1	11/22/13 10:50	11/25/13 17:07	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	397	83.1	1	11/22/13 10:50	11/25/13 17:07	606-20-2	
Di-n-octylphthalate	ND	ug/kg	397	83.1	1	11/22/13 10:50	11/25/13 17:07	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	397	108	1	11/22/13 10:50	11/25/13 17:07	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	397	68.7	1	11/22/13 10:50	11/25/13 17:07	87-68-3	
Hexachlorobenzene	ND	ug/kg	397	50.6	1	11/22/13 10:50	11/25/13 17:07	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	397	73.5	1	11/22/13 10:50	11/25/13 17:07	77-47-4	
Hexachloroethane	ND	ug/kg	397	105	1	11/22/13 10:50	11/25/13 17:07	67-72-1	
Isophorone	ND	ug/kg	397	89.1	1	11/22/13 10:50	11/25/13 17:07	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	397	120	1	11/22/13 10:50	11/25/13 17:07	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	397	157	1	11/22/13 10:50	11/25/13 17:07		
2-Nitroaniline	ND	ug/kg	1990	123	1	11/22/13 10:50	11/25/13 17:07	88-74-4	
3-Nitroaniline	ND	ug/kg	1990	108	1	11/22/13 10:50	11/25/13 17:07	99-09-2	
4-Nitroaniline	ND	ug/kg	795	112	1	11/22/13 10:50	11/25/13 17:07	100-01-6	
Nitrobenzene	ND	ug/kg	397	108	1	11/22/13 10:50	11/25/13 17:07	98-95-3	
2-Nitrophenol	ND	ug/kg	397	96.4	1	11/22/13 10:50	11/25/13 17:07	88-75-5	
4-Nitrophenol	ND	ug/kg	1990	71.1	1	11/22/13 10:50	11/25/13 17:07	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	397	75.9	1	11/22/13 10:50	11/25/13 17:07	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	397	118	1	11/22/13 10:50	11/25/13 17:07	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	397	106	1	11/22/13 10:50	11/25/13 17:07	108-60-1	
Pentachlorophenol	ND	ug/kg	1990	72.3	1	11/22/13 10:50	11/25/13 17:07	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-13-10-11 **Lab ID: 92180392007** Collected: 11/19/13 09:55 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	397	119	1	11/22/13 10:50	11/25/13 17:07	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	397	145	1	11/22/13 10:50	11/25/13 17:07	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	397	157	1	11/22/13 10:50	11/25/13 17:07	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	397	123	1	11/22/13 10:50	11/25/13 17:07	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	397	87.9	1	11/22/13 10:50	11/25/13 17:07	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	42	%	30-110		1	11/22/13 10:50	11/25/13 17:07	321-60-8	
Terphenyl-d14 (S)	42	%	28-110		1	11/22/13 10:50	11/25/13 17:07	1718-51-0	
Phenol-d6 (S)	43	%	22-110		1	11/22/13 10:50	11/25/13 17:07	13127-88-3	
2-Fluorophenol (S)	41	%	13-110		1	11/22/13 10:50	11/25/13 17:07	367-12-4	
2,4,6-Tribromophenol (S)	34	%	27-110		1	11/22/13 10:50	11/25/13 17:07	118-79-6	
Nitrobenzene-d5 (S)	40	%	23-110		1	11/22/13 10:50	11/25/13 17:07	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.0	1.8	1	11/22/13 09:15	11/26/13 13:41	83-32-9	
Acenaphthylene	ND	ug/kg	12.0	1.6	1	11/22/13 09:15	11/26/13 13:41	208-96-8	
Anthracene	ND	ug/kg	12.0	1.7	1	11/22/13 09:15	11/26/13 13:41	120-12-7	
Benzo(a)anthracene	**0.94J**	ug/kg	12.0	0.86	1	11/22/13 09:15	11/26/13 13:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.0	1.3	1	11/22/13 09:15	11/26/13 13:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.0	0.81	1	11/22/13 09:15	11/26/13 13:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.0	3.1	1	11/22/13 09:15	11/26/13 13:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.0	1.8	1	11/22/13 09:15	11/26/13 13:41	207-08-9	
Chrysene	ND	ug/kg	12.0	2.2	1	11/22/13 09:15	11/26/13 13:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.0	2.2	1	11/22/13 09:15	11/26/13 13:41	53-70-3	
Fluoranthene	ND	ug/kg	12.0	1.0	1	11/22/13 09:15	11/26/13 13:41	206-44-0	
Fluorene	ND	ug/kg	12.0	1.9	1	11/22/13 09:15	11/26/13 13:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.0	3.4	1	11/22/13 09:15	11/26/13 13:41	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.0	1.4	1	11/22/13 09:15	11/26/13 13:41	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.0	1.3	1	11/22/13 09:15	11/26/13 13:41	91-57-6	
Naphthalene	ND	ug/kg	12.0	2.8	1	11/22/13 09:15	11/26/13 13:41	91-20-3	
Phenanthrene	ND	ug/kg	12.0	1.8	1	11/22/13 09:15	11/26/13 13:41	85-01-8	
Pyrene	ND	ug/kg	12.0	2.2	1	11/22/13 09:15	11/26/13 13:41	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	45	%	10-128		1	11/22/13 09:15	11/26/13 13:41	4165-60-0	
2-Fluorobiphenyl (S)	44	%	10-110		1	11/22/13 09:15	11/26/13 13:41	321-60-8	
Terphenyl-d14 (S)	54	%	39-119		1	11/22/13 09:15	11/26/13 13:41	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**22.1J**	ug/kg	108	10.8	1		11/27/13 16:54	67-64-1	
Benzene	ND	ug/kg	5.4	1.7	1		11/27/13 16:54	71-43-2	
Bromochloromethane	ND	ug/kg	5.4	1.8	1		11/27/13 16:54	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	2.1	1		11/27/13 16:54	75-27-4	
Bromoform	ND	ug/kg	5.4	2.5	1		11/27/13 16:54	75-25-2	
Bromomethane	ND	ug/kg	10.8	2.7	1		11/27/13 16:54	74-83-9	
2-Butanone (MEK)	ND	ug/kg	108	3.1	1		11/27/13 16:54	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-13-10-11 **Lab ID: 92180392007** Collected: 11/19/13 09:55 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.8	3.2	1		11/27/13 16:54	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.4	2.8	1		11/27/13 16:54	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	2.1	1		11/27/13 16:54	108-90-7	
Chloroethane	ND	ug/kg	10.8	2.6	1		11/27/13 16:54	75-00-3	
Chloroform	ND	ug/kg	5.4	1.7	1		11/27/13 16:54	67-66-3	
Chloromethane	ND	ug/kg	10.8	2.6	1		11/27/13 16:54	74-87-3	
Cyclohexane	ND	ug/kg	5.4	1.7	1		11/27/13 16:54	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.4	3.9	1		11/27/13 16:54	96-12-8	
Dibromochloromethane	ND	ug/kg	5.4	1.9	1		11/27/13 16:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	1.9	1		11/27/13 16:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.4	2.1	1		11/27/13 16:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	2.2	1		11/27/13 16:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	1.8	1		11/27/13 16:54	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.8	3.9	1		11/27/13 16:54	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.4	1.6	1		11/27/13 16:54	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	2.4	1		11/27/13 16:54	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.4	1.9	1		11/27/13 16:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1.5	1		11/27/13 16:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	2.1	1		11/27/13 16:54	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1.8	1		11/27/13 16:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1.9	1		11/27/13 16:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1.6	1		11/27/13 16:54	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	162	130	1		11/27/13 16:54	123-91-1	
Ethylbenzene	ND	ug/kg	5.4	1.9	1		11/27/13 16:54	100-41-4	
2-Hexanone	ND	ug/kg	54.1	4.2	1		11/27/13 16:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	2.1	1		11/27/13 16:54	98-82-8	
Methyl acetate	ND	ug/kg	10.8	1.5	1		11/27/13 16:54	79-20-9	
Methylcyclohexane	ND	ug/kg	10.8	1.6	1		11/27/13 16:54	108-87-2	
Methylene Chloride	ND	ug/kg	21.6	3.2	1		11/27/13 16:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	54.1	4.0	1		11/27/13 16:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	1.6	1		11/27/13 16:54	1634-04-4	
Styrene	ND	ug/kg	5.4	1.9	1		11/27/13 16:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	2.1	1		11/27/13 16:54	79-34-5	
Tetrachloroethene	ND	ug/kg	5.4	1.8	1		11/27/13 16:54	127-18-4	
Toluene	ND	ug/kg	5.4	1.9	1		11/27/13 16:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	2.4	1		11/27/13 16:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1.7	1		11/27/13 16:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.4	1.9	1		11/27/13 16:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	2.3	1		11/27/13 16:54	79-00-5	
Trichloroethene	**3.3J**	ug/kg	5.4	2.3	1		11/27/13 16:54	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.4	2.4	1		11/27/13 16:54	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.4	2.1	1		11/27/13 16:54	76-13-1	
Vinyl chloride	ND	ug/kg	10.8	1.9	1		11/27/13 16:54	75-01-4	
m&p-Xylene	ND	ug/kg	10.8	3.9	1		11/27/13 16:54	179601-23-1	
o-Xylene	ND	ug/kg	5.4	2.1	1		11/27/13 16:54	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-13-10-11 **Lab ID: 92180392007** Collected: 11/19/13 09:55 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/27/13 16:54	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130		1		11/27/13 16:54	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-132		1		11/27/13 16:54	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.0**	%	0.10	0.10	1		12/02/13 16:57		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-16-4-5 **Lab ID: 92180392008** Collected: 11/19/13 10:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	382	197	1	11/22/13 10:50	11/25/13 17:35	98-86-2	
Atrazine	ND	ug/kg	765	151	1	11/22/13 10:50	11/25/13 17:35	1912-24-9	
Benzaldehyde	ND	ug/kg	765	382	1	11/22/13 10:50	11/25/13 17:35	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	382	120	1	11/22/13 10:50	11/25/13 17:35	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	382	69.5	1	11/22/13 10:50	11/25/13 17:35	101-55-3	
Butylbenzylphthalate	ND	ug/kg	382	81.1	1	11/22/13 10:50	11/25/13 17:35	85-68-7	
Caprolactam	ND	ug/kg	382	66.0	1	11/22/13 10:50	11/25/13 17:35	105-60-2	
Carbazole	ND	ug/kg	382	73.0	1	11/22/13 10:50	11/25/13 17:35	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	765	78.8	1	11/22/13 10:50	11/25/13 17:35	59-50-7	
4-Chloroaniline	ND	ug/kg	1910	107	1	11/22/13 10:50	11/25/13 17:35	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	382	89.2	1	11/22/13 10:50	11/25/13 17:35	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	382	97.3	1	11/22/13 10:50	11/25/13 17:35	111-44-4	
2-Chloronaphthalene	ND	ug/kg	382	75.3	1	11/22/13 10:50	11/25/13 17:35	91-58-7	
2-Chlorophenol	ND	ug/kg	382	104	1	11/22/13 10:50	11/25/13 17:35	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	382	78.8	1	11/22/13 10:50	11/25/13 17:35	7005-72-3	
Dibenzofuran	ND	ug/kg	382	62.6	1	11/22/13 10:50	11/25/13 17:35	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1910	83.4	1	11/22/13 10:50	11/25/13 17:35	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	382	83.4	1	11/22/13 10:50	11/25/13 17:35	120-83-2	
Diethylphthalate	ND	ug/kg	382	59.1	1	11/22/13 10:50	11/25/13 17:35	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	382	151	1	11/22/13 10:50	11/25/13 17:35	105-67-9	
Dimethylphthalate	ND	ug/kg	382	77.6	1	11/22/13 10:50	11/25/13 17:35	131-11-3	
Di-n-butylphthalate	ND	ug/kg	382	62.6	1	11/22/13 10:50	11/25/13 17:35	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	765	76.5	1	11/22/13 10:50	11/25/13 17:35	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1910	62.6	1	11/22/13 10:50	11/25/13 17:35	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	382	71.8	1	11/22/13 10:50	11/25/13 17:35	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	382	79.9	1	11/22/13 10:50	11/25/13 17:35	606-20-2	
Di-n-octylphthalate	ND	ug/kg	382	79.9	1	11/22/13 10:50	11/25/13 17:35	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	382	104	1	11/22/13 10:50	11/25/13 17:35	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	382	66.0	1	11/22/13 10:50	11/25/13 17:35	87-68-3	
Hexachlorobenzene	ND	ug/kg	382	48.7	1	11/22/13 10:50	11/25/13 17:35	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	382	70.7	1	11/22/13 10:50	11/25/13 17:35	77-47-4	
Hexachloroethane	ND	ug/kg	382	101	1	11/22/13 10:50	11/25/13 17:35	67-72-1	
Isophorone	ND	ug/kg	382	85.7	1	11/22/13 10:50	11/25/13 17:35	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	382	116	1	11/22/13 10:50	11/25/13 17:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	382	151	1	11/22/13 10:50	11/25/13 17:35		
2-Nitroaniline	ND	ug/kg	1910	118	1	11/22/13 10:50	11/25/13 17:35	88-74-4	
3-Nitroaniline	ND	ug/kg	1910	104	1	11/22/13 10:50	11/25/13 17:35	99-09-2	
4-Nitroaniline	ND	ug/kg	765	108	1	11/22/13 10:50	11/25/13 17:35	100-01-6	
Nitrobenzene	ND	ug/kg	382	104	1	11/22/13 10:50	11/25/13 17:35	98-95-3	
2-Nitrophenol	ND	ug/kg	382	92.7	1	11/22/13 10:50	11/25/13 17:35	88-75-5	
4-Nitrophenol	ND	ug/kg	1910	68.4	1	11/22/13 10:50	11/25/13 17:35	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	382	73.0	1	11/22/13 10:50	11/25/13 17:35	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	382	114	1	11/22/13 10:50	11/25/13 17:35	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	382	102	1	11/22/13 10:50	11/25/13 17:35	108-60-1	
Pentachlorophenol	ND	ug/kg	1910	69.5	1	11/22/13 10:50	11/25/13 17:35	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-16-4-5 **Lab ID: 92180392008** Collected: 11/19/13 10:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	382	115	1	11/22/13 10:50	11/25/13 17:35	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	382	139	1	11/22/13 10:50	11/25/13 17:35	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	382	151	1	11/22/13 10:50	11/25/13 17:35	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	382	118	1	11/22/13 10:50	11/25/13 17:35	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	382	84.6	1	11/22/13 10:50	11/25/13 17:35	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	36	%	30-110		1	11/22/13 10:50	11/25/13 17:35	321-60-8	
Terphenyl-d14 (S)	40	%	28-110		1	11/22/13 10:50	11/25/13 17:35	1718-51-0	
Phenol-d6 (S)	35	%	22-110		1	11/22/13 10:50	11/25/13 17:35	13127-88-3	
2-Fluorophenol (S)	35	%	13-110		1	11/22/13 10:50	11/25/13 17:35	367-12-4	
2,4,6-Tribromophenol (S)	31	%	27-110		1	11/22/13 10:50	11/25/13 17:35	118-79-6	
Nitrobenzene-d5 (S)	34	%	23-110		1	11/22/13 10:50	11/25/13 17:35	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.6	1.7	1	11/22/13 09:15	11/26/13 14:01	83-32-9	
Acenaphthylene	ND	ug/kg	11.6	1.5	1	11/22/13 09:15	11/26/13 14:01	208-96-8	
Anthracene	ND	ug/kg	11.6	1.6	1	11/22/13 09:15	11/26/13 14:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.6	0.82	1	11/22/13 09:15	11/26/13 14:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.6	1.3	1	11/22/13 09:15	11/26/13 14:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.6	0.78	1	11/22/13 09:15	11/26/13 14:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.6	3.0	1	11/22/13 09:15	11/26/13 14:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.6	1.7	1	11/22/13 09:15	11/26/13 14:01	207-08-9	
Chrysene	ND	ug/kg	11.6	2.1	1	11/22/13 09:15	11/26/13 14:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.6	2.1	1	11/22/13 09:15	11/26/13 14:01	53-70-3	
Fluoranthene	ND	ug/kg	11.6	0.96	1	11/22/13 09:15	11/26/13 14:01	206-44-0	
Fluorene	ND	ug/kg	11.6	1.9	1	11/22/13 09:15	11/26/13 14:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.6	3.2	1	11/22/13 09:15	11/26/13 14:01	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.6	1.4	1	11/22/13 09:15	11/26/13 14:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.6	1.3	1	11/22/13 09:15	11/26/13 14:01	91-57-6	
Naphthalene	ND	ug/kg	11.6	2.7	1	11/22/13 09:15	11/26/13 14:01	91-20-3	
Phenanthrene	ND	ug/kg	11.6	1.7	1	11/22/13 09:15	11/26/13 14:01	85-01-8	
Pyrene	ND	ug/kg	11.6	2.1	1	11/22/13 09:15	11/26/13 14:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	48	%	10-128		1	11/22/13 09:15	11/26/13 14:01	4165-60-0	
2-Fluorobiphenyl (S)	49	%	10-110		1	11/22/13 09:15	11/26/13 14:01	321-60-8	
Terphenyl-d14 (S)	60	%	39-119		1	11/22/13 09:15	11/26/13 14:01	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**44.5J**	ug/kg	106	10.6	1		11/27/13 17:13	67-64-1	
Benzene	ND	ug/kg	5.3	1.7	1		11/27/13 17:13	71-43-2	
Bromochloromethane	ND	ug/kg	5.3	1.8	1		11/27/13 17:13	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	2.0	1		11/27/13 17:13	75-27-4	
Bromoform	ND	ug/kg	5.3	2.4	1		11/27/13 17:13	75-25-2	
Bromomethane	ND	ug/kg	10.6	2.7	1		11/27/13 17:13	74-83-9	
2-Butanone (MEK)	ND	ug/kg	106	3.1	1		11/27/13 17:13	78-93-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-16-4-5 **Lab ID: 92180392008** Collected: 11/19/13 10:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.6	3.2	1		11/27/13 17:13	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	2.8	1		11/27/13 17:13	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	2.0	1		11/27/13 17:13	108-90-7	
Chloroethane	ND	ug/kg	10.6	2.5	1		11/27/13 17:13	75-00-3	
Chloroform	ND	ug/kg	5.3	1.7	1		11/27/13 17:13	67-66-3	
Chloromethane	ND	ug/kg	10.6	2.5	1		11/27/13 17:13	74-87-3	
Cyclohexane	ND	ug/kg	5.3	1.7	1		11/27/13 17:13	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	3.8	1		11/27/13 17:13	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1.9	1		11/27/13 17:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1.9	1		11/27/13 17:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.3	2.0	1		11/27/13 17:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	2.1	1		11/27/13 17:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1.8	1		11/27/13 17:13	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.6	3.8	1		11/27/13 17:13	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1.6	1		11/27/13 17:13	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	2.3	1		11/27/13 17:13	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1.9	1		11/27/13 17:13	75-35-4	
cis-1,2-Dichloroethene	**7.1**	ug/kg	5.3	1.5	1		11/27/13 17:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	2.0	1		11/27/13 17:13	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1.8	1		11/27/13 17:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1.9	1		11/27/13 17:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1.6	1		11/27/13 17:13	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	159	127	1		11/27/13 17:13	123-91-1	
Ethylbenzene	ND	ug/kg	5.3	1.9	1		11/27/13 17:13	100-41-4	
2-Hexanone	ND	ug/kg	53.0	4.1	1		11/27/13 17:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	2.0	1		11/27/13 17:13	98-82-8	
Methyl acetate	ND	ug/kg	10.6	1.5	1		11/27/13 17:13	79-20-9	
Methylcyclohexane	ND	ug/kg	10.6	1.6	1		11/27/13 17:13	108-87-2	
Methylene Chloride	ND	ug/kg	21.2	3.2	1		11/27/13 17:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	53.0	3.9	1		11/27/13 17:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1.6	1		11/27/13 17:13	1634-04-4	
Styrene	ND	ug/kg	5.3	1.9	1		11/27/13 17:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	2.0	1		11/27/13 17:13	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1.8	1		11/27/13 17:13	127-18-4	
Toluene	ND	ug/kg	5.3	1.9	1		11/27/13 17:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	2.3	1		11/27/13 17:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1.7	1		11/27/13 17:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1.9	1		11/27/13 17:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	2.2	1		11/27/13 17:13	79-00-5	
Trichloroethene	**1010**	ug/kg	131	54.9	25		12/01/13 13:00	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	2.3	1		11/27/13 17:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.3	2.0	1		11/27/13 17:13	76-13-1	
Vinyl chloride	ND	ug/kg	10.6	1.9	1		11/27/13 17:13	75-01-4	
m&p-Xylene	ND	ug/kg	10.6	3.8	1		11/27/13 17:13	179601-23-1	
o-Xylene	ND	ug/kg	5.3	2.0	1		11/27/13 17:13	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-16-4-5 **Lab ID: 92180392008** Collected: 11/19/13 10:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	94	%	70-130		1		11/27/13 17:13	2037-26-5	
4-Bromofluorobenzene (S)	109	%	70-130		1		11/27/13 17:13	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-132		1		11/27/13 17:13	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.7**	%	0.10	0.10	1		12/02/13 16:57		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-16-7-8 **Lab ID: 92180392009** Collected: 11/19/13 10:30 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	404	208	1	11/22/13 10:50	11/25/13 18:03	98-86-2	
Atrazine	ND	ug/kg	807	159	1	11/22/13 10:50	11/25/13 18:03	1912-24-9	
Benzaldehyde	ND	ug/kg	807	404	1	11/22/13 10:50	11/25/13 18:03	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	404	127	1	11/22/13 10:50	11/25/13 18:03	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	404	73.4	1	11/22/13 10:50	11/25/13 18:03	101-55-3	
Butylbenzylphthalate	ND	ug/kg	404	85.6	1	11/22/13 10:50	11/25/13 18:03	85-68-7	
Caprolactam	ND	ug/kg	404	69.7	1	11/22/13 10:50	11/25/13 18:03	105-60-2	
Carbazole	ND	ug/kg	404	77.1	1	11/22/13 10:50	11/25/13 18:03	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	807	83.2	1	11/22/13 10:50	11/25/13 18:03	59-50-7	
4-Chloroaniline	ND	ug/kg	2020	113	1	11/22/13 10:50	11/25/13 18:03	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	404	94.2	1	11/22/13 10:50	11/25/13 18:03	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	404	103	1	11/22/13 10:50	11/25/13 18:03	111-44-4	
2-Chloronaphthalene	ND	ug/kg	404	79.5	1	11/22/13 10:50	11/25/13 18:03	91-58-7	
2-Chlorophenol	ND	ug/kg	404	110	1	11/22/13 10:50	11/25/13 18:03	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	404	83.2	1	11/22/13 10:50	11/25/13 18:03	7005-72-3	
Dibenzofuran	ND	ug/kg	404	66.1	1	11/22/13 10:50	11/25/13 18:03	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2020	88.1	1	11/22/13 10:50	11/25/13 18:03	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	404	88.1	1	11/22/13 10:50	11/25/13 18:03	120-83-2	
Diethylphthalate	ND	ug/kg	404	62.4	1	11/22/13 10:50	11/25/13 18:03	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	404	159	1	11/22/13 10:50	11/25/13 18:03	105-67-9	
Dimethylphthalate	ND	ug/kg	404	82.0	1	11/22/13 10:50	11/25/13 18:03	131-11-3	
Di-n-butylphthalate	ND	ug/kg	404	66.1	1	11/22/13 10:50	11/25/13 18:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	807	80.7	1	11/22/13 10:50	11/25/13 18:03	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2020	66.1	1	11/22/13 10:50	11/25/13 18:03	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	404	75.8	1	11/22/13 10:50	11/25/13 18:03	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	404	84.4	1	11/22/13 10:50	11/25/13 18:03	606-20-2	
Di-n-octylphthalate	ND	ug/kg	404	84.4	1	11/22/13 10:50	11/25/13 18:03	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	404	110	1	11/22/13 10:50	11/25/13 18:03	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	404	69.7	1	11/22/13 10:50	11/25/13 18:03	87-68-3	
Hexachlorobenzene	ND	ug/kg	404	51.4	1	11/22/13 10:50	11/25/13 18:03	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	404	74.6	1	11/22/13 10:50	11/25/13 18:03	77-47-4	
Hexachloroethane	ND	ug/kg	404	106	1	11/22/13 10:50	11/25/13 18:03	67-72-1	
Isophorone	ND	ug/kg	404	90.5	1	11/22/13 10:50	11/25/13 18:03	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	404	122	1	11/22/13 10:50	11/25/13 18:03	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	404	159	1	11/22/13 10:50	11/25/13 18:03		
2-Nitroaniline	ND	ug/kg	2020	125	1	11/22/13 10:50	11/25/13 18:03	88-74-4	
3-Nitroaniline	ND	ug/kg	2020	110	1	11/22/13 10:50	11/25/13 18:03	99-09-2	
4-Nitroaniline	ND	ug/kg	807	114	1	11/22/13 10:50	11/25/13 18:03	100-01-6	
Nitrobenzene	ND	ug/kg	404	110	1	11/22/13 10:50	11/25/13 18:03	98-95-3	
2-Nitrophenol	ND	ug/kg	404	97.9	1	11/22/13 10:50	11/25/13 18:03	88-75-5	
4-Nitrophenol	ND	ug/kg	2020	72.2	1	11/22/13 10:50	11/25/13 18:03	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	404	77.1	1	11/22/13 10:50	11/25/13 18:03	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	404	120	1	11/22/13 10:50	11/25/13 18:03	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	404	108	1	11/22/13 10:50	11/25/13 18:03	108-60-1	
Pentachlorophenol	ND	ug/kg	2020	73.4	1	11/22/13 10:50	11/25/13 18:03	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-16-7-8 **Lab ID: 92180392009** Collected: 11/19/13 10:30 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	404	121	1	11/22/13 10:50	11/25/13 18:03	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	404	147	1	11/22/13 10:50	11/25/13 18:03	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	404	159	1	11/22/13 10:50	11/25/13 18:03	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	404	125	1	11/22/13 10:50	11/25/13 18:03	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	404	89.3	1	11/22/13 10:50	11/25/13 18:03	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	42	%	30-110		1	11/22/13 10:50	11/25/13 18:03	321-60-8	
Terphenyl-d14 (S)	43	%	28-110		1	11/22/13 10:50	11/25/13 18:03	1718-51-0	
Phenol-d6 (S)	40	%	22-110		1	11/22/13 10:50	11/25/13 18:03	13127-88-3	
2-Fluorophenol (S)	40	%	13-110		1	11/22/13 10:50	11/25/13 18:03	367-12-4	
2,4,6-Tribromophenol (S)	33	%	27-110		1	11/22/13 10:50	11/25/13 18:03	118-79-6	
Nitrobenzene-d5 (S)	42	%	23-110		1	11/22/13 10:50	11/25/13 18:03	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.2	1.8	1	11/22/13 09:15	11/26/13 14:21	83-32-9	
Acenaphthylene	ND	ug/kg	12.2	1.6	1	11/22/13 09:15	11/26/13 14:21	208-96-8	
Anthracene	ND	ug/kg	12.2	1.7	1	11/22/13 09:15	11/26/13 14:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.2	0.87	1	11/22/13 09:15	11/26/13 14:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.2	1.3	1	11/22/13 09:15	11/26/13 14:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.2	0.82	1	11/22/13 09:15	11/26/13 14:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.2	3.2	1	11/22/13 09:15	11/26/13 14:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.2	1.8	1	11/22/13 09:15	11/26/13 14:21	207-08-9	
Chrysene	ND	ug/kg	12.2	2.2	1	11/22/13 09:15	11/26/13 14:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.2	2.2	1	11/22/13 09:15	11/26/13 14:21	53-70-3	
Fluoranthene	ND	ug/kg	12.2	1.0	1	11/22/13 09:15	11/26/13 14:21	206-44-0	
Fluorene	ND	ug/kg	12.2	2.0	1	11/22/13 09:15	11/26/13 14:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.2	3.4	1	11/22/13 09:15	11/26/13 14:21	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.2	1.5	1	11/22/13 09:15	11/26/13 14:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.2	1.3	1	11/22/13 09:15	11/26/13 14:21	91-57-6	
Naphthalene	ND	ug/kg	12.2	2.8	1	11/22/13 09:15	11/26/13 14:21	91-20-3	
Phenanthrene	ND	ug/kg	12.2	1.8	1	11/22/13 09:15	11/26/13 14:21	85-01-8	
Pyrene	ND	ug/kg	12.2	2.2	1	11/22/13 09:15	11/26/13 14:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	51	%	10-128		1	11/22/13 09:15	11/26/13 14:21	4165-60-0	
2-Fluorobiphenyl (S)	50	%	10-110		1	11/22/13 09:15	11/26/13 14:21	321-60-8	
Terphenyl-d14 (S)	56	%	39-119		1	11/22/13 09:15	11/26/13 14:21	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**72.4J**	ug/kg	97.4	9.7	1		11/27/13 17:33	67-64-1	
Benzene	ND	ug/kg	4.9	1.6	1		11/27/13 17:33	71-43-2	
Bromochloromethane	ND	ug/kg	4.9	1.7	1		11/27/13 17:33	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1.9	1		11/27/13 17:33	75-27-4	
Bromoform	ND	ug/kg	4.9	2.2	1		11/27/13 17:33	75-25-2	
Bromomethane	ND	ug/kg	9.7	2.4	1		11/27/13 17:33	74-83-9	
2-Butanone (MEK)	ND	ug/kg	97.4	2.8	1		11/27/13 17:33	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-16-7-8 **Lab ID: 92180392009** Collected: 11/19/13 10:30 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	9.7	2.9	1		11/27/13 17:33	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	2.5	1		11/27/13 17:33	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1.9	1		11/27/13 17:33	108-90-7	
Chloroethane	ND	ug/kg	9.7	2.3	1		11/27/13 17:33	75-00-3	
Chloroform	ND	ug/kg	4.9	1.6	1		11/27/13 17:33	67-66-3	
Chloromethane	ND	ug/kg	9.7	2.3	1		11/27/13 17:33	74-87-3	
Cyclohexane	ND	ug/kg	4.9	1.6	1		11/27/13 17:33	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	3.5	1		11/27/13 17:33	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1.8	1		11/27/13 17:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1.8	1		11/27/13 17:33	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1.9	1		11/27/13 17:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1.9	1		11/27/13 17:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1.7	1		11/27/13 17:33	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.7	3.5	1		11/27/13 17:33	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1.5	1		11/27/13 17:33	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	2.1	1		11/27/13 17:33	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1.8	1		11/27/13 17:33	75-35-4	
cis-1,2-Dichloroethene	**12.2**	ug/kg	4.9	1.4	1		11/27/13 17:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1.9	1		11/27/13 17:33	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		11/27/13 17:33	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1.8	1		11/27/13 17:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1.5	1		11/27/13 17:33	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	146	117	1		11/27/13 17:33	123-91-1	
Ethylbenzene	ND	ug/kg	4.9	1.8	1		11/27/13 17:33	100-41-4	
2-Hexanone	ND	ug/kg	48.7	3.8	1		11/27/13 17:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1.9	1		11/27/13 17:33	98-82-8	
Methyl acetate	ND	ug/kg	9.7	1.4	1		11/27/13 17:33	79-20-9	
Methylcyclohexane	ND	ug/kg	9.7	1.5	1		11/27/13 17:33	108-87-2	
Methylene Chloride	ND	ug/kg	19.5	2.9	1		11/27/13 17:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.7	3.6	1		11/27/13 17:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1.5	1		11/27/13 17:33	1634-04-4	
Styrene	ND	ug/kg	4.9	1.8	1		11/27/13 17:33	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1.9	1		11/27/13 17:33	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1.7	1		11/27/13 17:33	127-18-4	
Toluene	ND	ug/kg	4.9	1.8	1		11/27/13 17:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	2.1	1		11/27/13 17:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1.6	1		11/27/13 17:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1.8	1		11/27/13 17:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	2.0	1		11/27/13 17:33	79-00-5	
Trichloroethene	**972**	ug/kg	479	201	100		12/01/13 13:19	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	2.1	1		11/27/13 17:33	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.9	1.9	1		11/27/13 17:33	76-13-1	
Vinyl chloride	ND	ug/kg	9.7	1.8	1		11/27/13 17:33	75-01-4	
m&p-Xylene	ND	ug/kg	9.7	3.5	1		11/27/13 17:33	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1.9	1		11/27/13 17:33	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-16-7-8 **Lab ID: 92180392009** Collected: 11/19/13 10:30 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	93	%	70-130		1		11/27/13 17:33	2037-26-5	
4-Bromofluorobenzene (S)	112	%	70-130		1		11/27/13 17:33	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-132		1		11/27/13 17:33	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.3**	%	0.10	0.10	1		12/02/13 16:57		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-16-10-11 **Lab ID: 92180392010** Collected: 11/19/13 10:40 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	426	219	1	11/22/13 10:50	11/25/13 18:30	98-86-2	
Atrazine	ND	ug/kg	851	168	1	11/22/13 10:50	11/25/13 18:30	1912-24-9	
Benzaldehyde	ND	ug/kg	851	426	1	11/22/13 10:50	11/25/13 18:30	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	426	134	1	11/22/13 10:50	11/25/13 18:30	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	426	77.4	1	11/22/13 10:50	11/25/13 18:30	101-55-3	
Butylbenzylphthalate	ND	ug/kg	426	90.3	1	11/22/13 10:50	11/25/13 18:30	85-68-7	
Caprolactam	ND	ug/kg	426	73.5	1	11/22/13 10:50	11/25/13 18:30	105-60-2	
Carbazole	ND	ug/kg	426	81.2	1	11/22/13 10:50	11/25/13 18:30	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	851	87.7	1	11/22/13 10:50	11/25/13 18:30	59-50-7	
4-Chloroaniline	ND	ug/kg	2130	119	1	11/22/13 10:50	11/25/13 18:30	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	426	99.3	1	11/22/13 10:50	11/25/13 18:30	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	426	108	1	11/22/13 10:50	11/25/13 18:30	111-44-4	
2-Chloronaphthalene	ND	ug/kg	426	83.8	1	11/22/13 10:50	11/25/13 18:30	91-58-7	
2-Chlorophenol	ND	ug/kg	426	116	1	11/22/13 10:50	11/25/13 18:30	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	426	87.7	1	11/22/13 10:50	11/25/13 18:30	7005-72-3	
Dibenzofuran	ND	ug/kg	426	69.6	1	11/22/13 10:50	11/25/13 18:30	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2130	92.8	1	11/22/13 10:50	11/25/13 18:30	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	426	92.8	1	11/22/13 10:50	11/25/13 18:30	120-83-2	
Diethylphthalate	ND	ug/kg	426	65.8	1	11/22/13 10:50	11/25/13 18:30	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	426	168	1	11/22/13 10:50	11/25/13 18:30	105-67-9	
Dimethylphthalate	ND	ug/kg	426	86.4	1	11/22/13 10:50	11/25/13 18:30	131-11-3	
Di-n-butylphthalate	ND	ug/kg	426	69.6	1	11/22/13 10:50	11/25/13 18:30	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	851	85.1	1	11/22/13 10:50	11/25/13 18:30	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2130	69.6	1	11/22/13 10:50	11/25/13 18:30	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	426	79.9	1	11/22/13 10:50	11/25/13 18:30	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	426	89.0	1	11/22/13 10:50	11/25/13 18:30	606-20-2	
Di-n-octylphthalate	ND	ug/kg	426	89.0	1	11/22/13 10:50	11/25/13 18:30	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	426	116	1	11/22/13 10:50	11/25/13 18:30	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	426	73.5	1	11/22/13 10:50	11/25/13 18:30	87-68-3	
Hexachlorobenzene	ND	ug/kg	426	54.2	1	11/22/13 10:50	11/25/13 18:30	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	426	78.7	1	11/22/13 10:50	11/25/13 18:30	77-47-4	
Hexachloroethane	ND	ug/kg	426	112	1	11/22/13 10:50	11/25/13 18:30	67-72-1	
Isophorone	ND	ug/kg	426	95.4	1	11/22/13 10:50	11/25/13 18:30	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	426	129	1	11/22/13 10:50	11/25/13 18:30	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	426	168	1	11/22/13 10:50	11/25/13 18:30		
2-Nitroaniline	ND	ug/kg	2130	132	1	11/22/13 10:50	11/25/13 18:30	88-74-4	
3-Nitroaniline	ND	ug/kg	2130	116	1	11/22/13 10:50	11/25/13 18:30	99-09-2	
4-Nitroaniline	ND	ug/kg	851	120	1	11/22/13 10:50	11/25/13 18:30	100-01-6	
Nitrobenzene	ND	ug/kg	426	116	1	11/22/13 10:50	11/25/13 18:30	98-95-3	
2-Nitrophenol	ND	ug/kg	426	103	1	11/22/13 10:50	11/25/13 18:30	88-75-5	
4-Nitrophenol	ND	ug/kg	2130	76.1	1	11/22/13 10:50	11/25/13 18:30	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	426	81.2	1	11/22/13 10:50	11/25/13 18:30	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	426	126	1	11/22/13 10:50	11/25/13 18:30	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	426	113	1	11/22/13 10:50	11/25/13 18:30	108-60-1	
Pentachlorophenol	ND	ug/kg	2130	77.4	1	11/22/13 10:50	11/25/13 18:30	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-16-10-11 **Lab ID: 92180392010** Collected: 11/19/13 10:40 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	426	128	1	11/22/13 10:50	11/25/13 18:30	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	426	155	1	11/22/13 10:50	11/25/13 18:30	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	426	168	1	11/22/13 10:50	11/25/13 18:30	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	426	132	1	11/22/13 10:50	11/25/13 18:30	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	426	94.1	1	11/22/13 10:50	11/25/13 18:30	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	28	%	30-110		1	11/22/13 10:50	11/25/13 18:30	321-60-8	S0
Terphenyl-d14 (S)	30	%	28-110		1	11/22/13 10:50	11/25/13 18:30	1718-51-0	
Phenol-d6 (S)	30	%	22-110		1	11/22/13 10:50	11/25/13 18:30	13127-88-3	
2-Fluorophenol (S)	30	%	13-110		1	11/22/13 10:50	11/25/13 18:30	367-12-4	
2,4,6-Tribromophenol (S)	24	%	27-110		1	11/22/13 10:50	11/25/13 18:30	118-79-6	S0
Nitrobenzene-d5 (S)	29	%	23-110		1	11/22/13 10:50	11/25/13 18:30	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.9	1.9	1	11/22/13 09:15	11/26/13 14:41	83-32-9	
Acenaphthylene	ND	ug/kg	12.9	1.7	1	11/22/13 09:15	11/26/13 14:41	208-96-8	
Anthracene	ND	ug/kg	12.9	1.8	1	11/22/13 09:15	11/26/13 14:41	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.9	0.92	1	11/22/13 09:15	11/26/13 14:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.9	1.4	1	11/22/13 09:15	11/26/13 14:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.9	0.86	1	11/22/13 09:15	11/26/13 14:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.9	3.4	1	11/22/13 09:15	11/26/13 14:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.9	1.9	1	11/22/13 09:15	11/26/13 14:41	207-08-9	
Chrysene	ND	ug/kg	12.9	2.3	1	11/22/13 09:15	11/26/13 14:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.9	2.3	1	11/22/13 09:15	11/26/13 14:41	53-70-3	
Fluoranthene	ND	ug/kg	12.9	1.1	1	11/22/13 09:15	11/26/13 14:41	206-44-0	
Fluorene	ND	ug/kg	12.9	2.1	1	11/22/13 09:15	11/26/13 14:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.9	3.6	1	11/22/13 09:15	11/26/13 14:41	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.9	1.5	1	11/22/13 09:15	11/26/13 14:41	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.9	1.4	1	11/22/13 09:15	11/26/13 14:41	91-57-6	
Naphthalene	ND	ug/kg	12.9	3.0	1	11/22/13 09:15	11/26/13 14:41	91-20-3	
Phenanthrene	ND	ug/kg	12.9	1.9	1	11/22/13 09:15	11/26/13 14:41	85-01-8	
Pyrene	ND	ug/kg	12.9	2.3	1	11/22/13 09:15	11/26/13 14:41	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	48	%	10-128		1	11/22/13 09:15	11/26/13 14:41	4165-60-0	
2-Fluorobiphenyl (S)	51	%	10-110		1	11/22/13 09:15	11/26/13 14:41	321-60-8	
Terphenyl-d14 (S)	67	%	39-119		1	11/22/13 09:15	11/26/13 14:41	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**80.7J**	ug/kg	109	10.9	1		11/27/13 17:53	67-64-1	
Benzene	ND	ug/kg	5.4	1.7	1		11/27/13 17:53	71-43-2	
Bromochloromethane	ND	ug/kg	5.4	1.8	1		11/27/13 17:53	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	2.1	1		11/27/13 17:53	75-27-4	
Bromoform	ND	ug/kg	5.4	2.5	1		11/27/13 17:53	75-25-2	
Bromomethane	ND	ug/kg	10.9	2.7	1		11/27/13 17:53	74-83-9	
2-Butanone (MEK)	ND	ug/kg	109	3.2	1		11/27/13 17:53	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-16-10-11 **Lab ID: 92180392010** Collected: 11/19/13 10:40 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.9	3.3	1		11/27/13 17:53	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.4	2.8	1		11/27/13 17:53	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	2.1	1		11/27/13 17:53	108-90-7	
Chloroethane	ND	ug/kg	10.9	2.6	1		11/27/13 17:53	75-00-3	
Chloroform	ND	ug/kg	5.4	1.7	1		11/27/13 17:53	67-66-3	
Chloromethane	ND	ug/kg	10.9	2.6	1		11/27/13 17:53	74-87-3	
Cyclohexane	ND	ug/kg	5.4	1.7	1		11/27/13 17:53	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.4	3.9	1		11/27/13 17:53	96-12-8	
Dibromochloromethane	ND	ug/kg	5.4	2.0	1		11/27/13 17:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	2.0	1		11/27/13 17:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.4	2.1	1		11/27/13 17:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	2.2	1		11/27/13 17:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	1.8	1		11/27/13 17:53	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.9	3.9	1		11/27/13 17:53	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.4	1.6	1		11/27/13 17:53	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	2.4	1		11/27/13 17:53	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.4	2.0	1		11/27/13 17:53	75-35-4	
cis-1,2-Dichloroethene	**4.7J**	ug/kg	5.4	1.5	1		11/27/13 17:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	2.1	1		11/27/13 17:53	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1.8	1		11/27/13 17:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	2.0	1		11/27/13 17:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1.6	1		11/27/13 17:53	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	163	130	1		11/27/13 17:53	123-91-1	
Ethylbenzene	ND	ug/kg	5.4	2.0	1		11/27/13 17:53	100-41-4	
2-Hexanone	ND	ug/kg	54.4	4.2	1		11/27/13 17:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	2.1	1		11/27/13 17:53	98-82-8	
Methyl acetate	ND	ug/kg	10.9	1.5	1		11/27/13 17:53	79-20-9	
Methylcyclohexane	ND	ug/kg	10.9	1.6	1		11/27/13 17:53	108-87-2	
Methylene Chloride	ND	ug/kg	21.7	3.3	1		11/27/13 17:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	54.4	4.0	1		11/27/13 17:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	1.6	1		11/27/13 17:53	1634-04-4	
Styrene	ND	ug/kg	5.4	2.0	1		11/27/13 17:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	2.1	1		11/27/13 17:53	79-34-5	
Tetrachloroethene	ND	ug/kg	5.4	1.8	1		11/27/13 17:53	127-18-4	
Toluene	ND	ug/kg	5.4	2.0	1		11/27/13 17:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	2.4	1		11/27/13 17:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1.7	1		11/27/13 17:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.4	2.0	1		11/27/13 17:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	2.3	1		11/27/13 17:53	79-00-5	
Trichloroethene	**495**	ug/kg	139	58.4	25		12/01/13 13:39	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.4	2.4	1		11/27/13 17:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.4	2.1	1		11/27/13 17:53	76-13-1	
Vinyl chloride	ND	ug/kg	10.9	2.0	1		11/27/13 17:53	75-01-4	
m&p-Xylene	ND	ug/kg	10.9	3.9	1		11/27/13 17:53	179601-23-1	
o-Xylene	ND	ug/kg	5.4	2.1	1		11/27/13 17:53	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-16-10-11 **Lab ID: 92180392010** Collected: 11/19/13 10:40 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	96	%	70-130		1		11/27/13 17:53	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		1		11/27/13 17:53	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-132		1		11/27/13 17:53	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.4**	%	0.10	0.10	1		12/02/13 16:57		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-01-4-5 **Lab ID: 92180392011** Collected: 11/19/13 11:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	369	190	1	11/22/13 10:50	11/25/13 18:58	98-86-2	
Atrazine	ND	ug/kg	738	145	1	11/22/13 10:50	11/25/13 18:58	1912-24-9	
Benzaldehyde	ND	ug/kg	738	369	1	11/22/13 10:50	11/25/13 18:58	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	369	116	1	11/22/13 10:50	11/25/13 18:58	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	369	67.1	1	11/22/13 10:50	11/25/13 18:58	101-55-3	
Butylbenzylphthalate	ND	ug/kg	369	78.2	1	11/22/13 10:50	11/25/13 18:58	85-68-7	
Caprolactam	ND	ug/kg	369	63.7	1	11/22/13 10:50	11/25/13 18:58	105-60-2	
Carbazole	ND	ug/kg	369	70.4	1	11/22/13 10:50	11/25/13 18:58	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	738	76.0	1	11/22/13 10:50	11/25/13 18:58	59-50-7	
4-Chloroaniline	ND	ug/kg	1840	103	1	11/22/13 10:50	11/25/13 18:58	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	369	86.1	1	11/22/13 10:50	11/25/13 18:58	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	369	93.9	1	11/22/13 10:50	11/25/13 18:58	111-44-4	
2-Chloronaphthalene	ND	ug/kg	369	72.6	1	11/22/13 10:50	11/25/13 18:58	91-58-7	
2-Chlorophenol	ND	ug/kg	369	101	1	11/22/13 10:50	11/25/13 18:58	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	369	76.0	1	11/22/13 10:50	11/25/13 18:58	7005-72-3	
Dibenzofuran	ND	ug/kg	369	60.3	1	11/22/13 10:50	11/25/13 18:58	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1840	80.5	1	11/22/13 10:50	11/25/13 18:58	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	369	80.5	1	11/22/13 10:50	11/25/13 18:58	120-83-2	
Diethylphthalate	ND	ug/kg	369	57.0	1	11/22/13 10:50	11/25/13 18:58	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	369	145	1	11/22/13 10:50	11/25/13 18:58	105-67-9	
Dimethylphthalate	ND	ug/kg	369	74.9	1	11/22/13 10:50	11/25/13 18:58	131-11-3	
Di-n-butylphthalate	ND	ug/kg	369	60.3	1	11/22/13 10:50	11/25/13 18:58	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	738	73.8	1	11/22/13 10:50	11/25/13 18:58	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1840	60.3	1	11/22/13 10:50	11/25/13 18:58	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	369	69.3	1	11/22/13 10:50	11/25/13 18:58	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	369	77.1	1	11/22/13 10:50	11/25/13 18:58	606-20-2	
Di-n-octylphthalate	ND	ug/kg	369	77.1	1	11/22/13 10:50	11/25/13 18:58	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	369	101	1	11/22/13 10:50	11/25/13 18:58	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	369	63.7	1	11/22/13 10:50	11/25/13 18:58	87-68-3	
Hexachlorobenzene	ND	ug/kg	369	46.9	1	11/22/13 10:50	11/25/13 18:58	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	369	68.2	1	11/22/13 10:50	11/25/13 18:58	77-47-4	
Hexachloroethane	ND	ug/kg	369	97.2	1	11/22/13 10:50	11/25/13 18:58	67-72-1	
Isophorone	ND	ug/kg	369	82.7	1	11/22/13 10:50	11/25/13 18:58	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	369	112	1	11/22/13 10:50	11/25/13 18:58	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	369	145	1	11/22/13 10:50	11/25/13 18:58		
2-Nitroaniline	ND	ug/kg	1840	114	1	11/22/13 10:50	11/25/13 18:58	88-74-4	
3-Nitroaniline	ND	ug/kg	1840	101	1	11/22/13 10:50	11/25/13 18:58	99-09-2	
4-Nitroaniline	ND	ug/kg	738	104	1	11/22/13 10:50	11/25/13 18:58	100-01-6	
Nitrobenzene	ND	ug/kg	369	101	1	11/22/13 10:50	11/25/13 18:58	98-95-3	
2-Nitrophenol	ND	ug/kg	369	89.4	1	11/22/13 10:50	11/25/13 18:58	88-75-5	
4-Nitrophenol	ND	ug/kg	1840	65.9	1	11/22/13 10:50	11/25/13 18:58	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	369	70.4	1	11/22/13 10:50	11/25/13 18:58	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	369	110	1	11/22/13 10:50	11/25/13 18:58	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	369	98.3	1	11/22/13 10:50	11/25/13 18:58	108-60-1	
Pentachlorophenol	ND	ug/kg	1840	67.1	1	11/22/13 10:50	11/25/13 18:58	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-01-4-5 **Lab ID: 92180392011** Collected: 11/19/13 11:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	369	111	1	11/22/13 10:50	11/25/13 18:58	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	369	134	1	11/22/13 10:50	11/25/13 18:58	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	369	145	1	11/22/13 10:50	11/25/13 18:58	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	369	114	1	11/22/13 10:50	11/25/13 18:58	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	369	81.6	1	11/22/13 10:50	11/25/13 18:58	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	55	%	30-110		1	11/22/13 10:50	11/25/13 18:58	321-60-8	
Terphenyl-d14 (S)	61	%	28-110		1	11/22/13 10:50	11/25/13 18:58	1718-51-0	
Phenol-d6 (S)	58	%	22-110		1	11/22/13 10:50	11/25/13 18:58	13127-88-3	
2-Fluorophenol (S)	54	%	13-110		1	11/22/13 10:50	11/25/13 18:58	367-12-4	
2,4,6-Tribromophenol (S)	54	%	27-110		1	11/22/13 10:50	11/25/13 18:58	118-79-6	
Nitrobenzene-d5 (S)	55	%	23-110		1	11/22/13 10:50	11/25/13 18:58	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.2	1.7	1	11/22/13 09:15	11/26/13 15:01	83-32-9	
Acenaphthylene	ND	ug/kg	11.2	1.5	1	11/22/13 09:15	11/26/13 15:01	208-96-8	
Anthracene	ND	ug/kg	11.2	1.6	1	11/22/13 09:15	11/26/13 15:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.2	0.79	1	11/22/13 09:15	11/26/13 15:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.2	1.2	1	11/22/13 09:15	11/26/13 15:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.2	0.75	1	11/22/13 09:15	11/26/13 15:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.2	2.9	1	11/22/13 09:15	11/26/13 15:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.2	1.7	1	11/22/13 09:15	11/26/13 15:01	207-08-9	
Chrysene	ND	ug/kg	11.2	2.0	1	11/22/13 09:15	11/26/13 15:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.2	2.0	1	11/22/13 09:15	11/26/13 15:01	53-70-3	
Fluoranthene	ND	ug/kg	11.2	0.93	1	11/22/13 09:15	11/26/13 15:01	206-44-0	
Fluorene	ND	ug/kg	11.2	1.8	1	11/22/13 09:15	11/26/13 15:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.2	3.1	1	11/22/13 09:15	11/26/13 15:01	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.2	1.3	1	11/22/13 09:15	11/26/13 15:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.2	1.2	1	11/22/13 09:15	11/26/13 15:01	91-57-6	
Naphthalene	ND	ug/kg	11.2	2.6	1	11/22/13 09:15	11/26/13 15:01	91-20-3	
Phenanthrene	ND	ug/kg	11.2	1.7	1	11/22/13 09:15	11/26/13 15:01	85-01-8	
Pyrene	ND	ug/kg	11.2	2.0	1	11/22/13 09:15	11/26/13 15:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	39	%	10-128		1	11/22/13 09:15	11/26/13 15:01	4165-60-0	
2-Fluorobiphenyl (S)	39	%	10-110		1	11/22/13 09:15	11/26/13 15:01	321-60-8	
Terphenyl-d14 (S)	44	%	39-119		1	11/22/13 09:15	11/26/13 15:01	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**130**	ug/kg	101	10.1	1		11/27/13 18:12	67-64-1	A+
Benzene	ND	ug/kg	5.1	1.6	1		11/27/13 18:12	71-43-2	
Bromochloromethane	ND	ug/kg	5.1	1.7	1		11/27/13 18:12	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1.9	1		11/27/13 18:12	75-27-4	
Bromoform	ND	ug/kg	5.1	2.3	1		11/27/13 18:12	75-25-2	
Bromomethane	ND	ug/kg	10.1	2.5	1		11/27/13 18:12	74-83-9	
2-Butanone (MEK)	**30.8J**	ug/kg	101	2.9	1		11/27/13 18:12	78-93-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-01-4-5 **Lab ID: 92180392011** Collected: 11/19/13 11:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.1	3.0	1		11/27/13 18:12	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	2.6	1		11/27/13 18:12	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1.9	1		11/27/13 18:12	108-90-7	
Chloroethane	ND	ug/kg	10.1	2.4	1		11/27/13 18:12	75-00-3	
Chloroform	ND	ug/kg	5.1	1.6	1		11/27/13 18:12	67-66-3	
Chloromethane	ND	ug/kg	10.1	2.4	1		11/27/13 18:12	74-87-3	
Cyclohexane	ND	ug/kg	5.1	1.6	1		11/27/13 18:12	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	3.6	1		11/27/13 18:12	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1.8	1		11/27/13 18:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1.8	1		11/27/13 18:12	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1.9	1		11/27/13 18:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	2.0	1		11/27/13 18:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1.7	1		11/27/13 18:12	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.1	3.6	1		11/27/13 18:12	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1.5	1		11/27/13 18:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	2.2	1		11/27/13 18:12	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1.8	1		11/27/13 18:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1.4	1		11/27/13 18:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1.9	1		11/27/13 18:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1.7	1		11/27/13 18:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1.8	1		11/27/13 18:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1.5	1		11/27/13 18:12	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	152	121	1		11/27/13 18:12	123-91-1	
Ethylbenzene	ND	ug/kg	5.1	1.8	1		11/27/13 18:12	100-41-4	
2-Hexanone	**6.3J**	ug/kg	50.6	3.9	1		11/27/13 18:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1.9	1		11/27/13 18:12	98-82-8	
Methyl acetate	ND	ug/kg	10.1	1.4	1		11/27/13 18:12	79-20-9	
Methylcyclohexane	ND	ug/kg	10.1	1.5	1		11/27/13 18:12	108-87-2	
Methylene Chloride	ND	ug/kg	20.2	3.0	1		11/27/13 18:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.6	3.7	1		11/27/13 18:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1.5	1		11/27/13 18:12	1634-04-4	
Styrene	ND	ug/kg	5.1	1.8	1		11/27/13 18:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1.9	1		11/27/13 18:12	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1.7	1		11/27/13 18:12	127-18-4	
Toluene	ND	ug/kg	5.1	1.8	1		11/27/13 18:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	2.2	1		11/27/13 18:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1.6	1		11/27/13 18:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1.8	1		11/27/13 18:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	2.1	1		11/27/13 18:12	79-00-5	
Trichloroethene	**34.9**	ug/kg	5.1	2.1	1		11/27/13 18:12	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	2.2	1		11/27/13 18:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.1	1.9	1		11/27/13 18:12	76-13-1	
Vinyl chloride	ND	ug/kg	10.1	1.8	1		11/27/13 18:12	75-01-4	
m&p-Xylene	ND	ug/kg	10.1	3.6	1		11/27/13 18:12	179601-23-1	
o-Xylene	ND	ug/kg	5.1	1.9	1		11/27/13 18:12	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-01-4-5 **Lab ID: 92180392011** Collected: 11/19/13 11:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		11/27/13 18:12	2037-26-5	
4-Bromofluorobenzene (S)	112	%	70-130		1		11/27/13 18:12	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-132		1		11/27/13 18:12	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.5**	%	0.10	0.10	1		12/02/13 16:45		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-01-7-8 **Lab ID: 92180392012** Collected: 11/19/13 11:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	361	186	1	11/22/13 10:50	11/25/13 19:26	98-86-2	
Atrazine	ND	ug/kg	721	142	1	11/22/13 10:50	11/25/13 19:26	1912-24-9	
Benzaldehyde	ND	ug/kg	721	361	1	11/22/13 10:50	11/25/13 19:26	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	361	114	1	11/22/13 10:50	11/25/13 19:26	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	361	65.5	1	11/22/13 10:50	11/25/13 19:26	101-55-3	
Butylbenzylphthalate	ND	ug/kg	361	76.5	1	11/22/13 10:50	11/25/13 19:26	85-68-7	
Caprolactam	ND	ug/kg	361	62.3	1	11/22/13 10:50	11/25/13 19:26	105-60-2	
Carbazole	ND	ug/kg	361	68.8	1	11/22/13 10:50	11/25/13 19:26	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	721	74.3	1	11/22/13 10:50	11/25/13 19:26	59-50-7	
4-Chloroaniline	ND	ug/kg	1800	101	1	11/22/13 10:50	11/25/13 19:26	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	361	84.1	1	11/22/13 10:50	11/25/13 19:26	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	361	91.8	1	11/22/13 10:50	11/25/13 19:26	111-44-4	
2-Chloronaphthalene	ND	ug/kg	361	71.0	1	11/22/13 10:50	11/25/13 19:26	91-58-7	
2-Chlorophenol	ND	ug/kg	361	98.3	1	11/22/13 10:50	11/25/13 19:26	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	361	74.3	1	11/22/13 10:50	11/25/13 19:26	7005-72-3	
Dibenzofuran	ND	ug/kg	361	59.0	1	11/22/13 10:50	11/25/13 19:26	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1800	78.7	1	11/22/13 10:50	11/25/13 19:26	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	361	78.7	1	11/22/13 10:50	11/25/13 19:26	120-83-2	
Diethylphthalate	ND	ug/kg	361	55.7	1	11/22/13 10:50	11/25/13 19:26	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	361	142	1	11/22/13 10:50	11/25/13 19:26	105-67-9	
Dimethylphthalate	ND	ug/kg	361	73.2	1	11/22/13 10:50	11/25/13 19:26	131-11-3	
Di-n-butylphthalate	ND	ug/kg	361	59.0	1	11/22/13 10:50	11/25/13 19:26	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	721	72.1	1	11/22/13 10:50	11/25/13 19:26	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1800	59.0	1	11/22/13 10:50	11/25/13 19:26	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	361	67.7	1	11/22/13 10:50	11/25/13 19:26	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	361	75.4	1	11/22/13 10:50	11/25/13 19:26	606-20-2	
Di-n-octylphthalate	ND	ug/kg	361	75.4	1	11/22/13 10:50	11/25/13 19:26	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	361	98.3	1	11/22/13 10:50	11/25/13 19:26	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	361	62.3	1	11/22/13 10:50	11/25/13 19:26	87-68-3	
Hexachlorobenzene	ND	ug/kg	361	45.9	1	11/22/13 10:50	11/25/13 19:26	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	361	66.6	1	11/22/13 10:50	11/25/13 19:26	77-47-4	
Hexachloroethane	ND	ug/kg	361	95.0	1	11/22/13 10:50	11/25/13 19:26	67-72-1	
Isophorone	ND	ug/kg	361	80.8	1	11/22/13 10:50	11/25/13 19:26	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	361	109	1	11/22/13 10:50	11/25/13 19:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	361	142	1	11/22/13 10:50	11/25/13 19:26		
2-Nitroaniline	ND	ug/kg	1800	111	1	11/22/13 10:50	11/25/13 19:26	88-74-4	
3-Nitroaniline	ND	ug/kg	1800	98.3	1	11/22/13 10:50	11/25/13 19:26	99-09-2	
4-Nitroaniline	ND	ug/kg	721	102	1	11/22/13 10:50	11/25/13 19:26	100-01-6	
Nitrobenzene	ND	ug/kg	361	98.3	1	11/22/13 10:50	11/25/13 19:26	98-95-3	
2-Nitrophenol	ND	ug/kg	361	87.4	1	11/22/13 10:50	11/25/13 19:26	88-75-5	
4-Nitrophenol	ND	ug/kg	1800	64.5	1	11/22/13 10:50	11/25/13 19:26	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	361	68.8	1	11/22/13 10:50	11/25/13 19:26	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	361	107	1	11/22/13 10:50	11/25/13 19:26	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	361	96.1	1	11/22/13 10:50	11/25/13 19:26	108-60-1	
Pentachlorophenol	ND	ug/kg	1800	65.5	1	11/22/13 10:50	11/25/13 19:26	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-01-7-8 **Lab ID: 92180392012** Collected: 11/19/13 11:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	361	108	1	11/22/13 10:50	11/25/13 19:26	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	361	131	1	11/22/13 10:50	11/25/13 19:26	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	361	142	1	11/22/13 10:50	11/25/13 19:26	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	361	111	1	11/22/13 10:50	11/25/13 19:26	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	361	79.8	1	11/22/13 10:50	11/25/13 19:26	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	49	%	30-110		1	11/22/13 10:50	11/25/13 19:26	321-60-8	
Terphenyl-d14 (S)	53	%	28-110		1	11/22/13 10:50	11/25/13 19:26	1718-51-0	
Phenol-d6 (S)	51	%	22-110		1	11/22/13 10:50	11/25/13 19:26	13127-88-3	
2-Fluorophenol (S)	49	%	13-110		1	11/22/13 10:50	11/25/13 19:26	367-12-4	
2,4,6-Tribromophenol (S)	46	%	27-110		1	11/22/13 10:50	11/25/13 19:26	118-79-6	
Nitrobenzene-d5 (S)	46	%	23-110		1	11/22/13 10:50	11/25/13 19:26	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	10.9	1.6	1	11/22/13 09:15	11/26/13 15:21	83-32-9	
Acenaphthylene	ND	ug/kg	10.9	1.4	1	11/22/13 09:15	11/26/13 15:21	208-96-8	
Anthracene	ND	ug/kg	10.9	1.5	1	11/22/13 09:15	11/26/13 15:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	10.9	0.78	1	11/22/13 09:15	11/26/13 15:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	10.9	1.2	1	11/22/13 09:15	11/26/13 15:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	10.9	0.73	1	11/22/13 09:15	11/26/13 15:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	10.9	2.8	1	11/22/13 09:15	11/26/13 15:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	10.9	1.6	1	11/22/13 09:15	11/26/13 15:21	207-08-9	
Chrysene	ND	ug/kg	10.9	2.0	1	11/22/13 09:15	11/26/13 15:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	10.9	2.0	1	11/22/13 09:15	11/26/13 15:21	53-70-3	
Fluoranthene	ND	ug/kg	10.9	0.91	1	11/22/13 09:15	11/26/13 15:21	206-44-0	
Fluorene	ND	ug/kg	10.9	1.7	1	11/22/13 09:15	11/26/13 15:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	10.9	3.1	1	11/22/13 09:15	11/26/13 15:21	193-39-5	
1-Methylnaphthalene	ND	ug/kg	10.9	1.3	1	11/22/13 09:15	11/26/13 15:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	10.9	1.2	1	11/22/13 09:15	11/26/13 15:21	91-57-6	
Naphthalene	ND	ug/kg	10.9	2.5	1	11/22/13 09:15	11/26/13 15:21	91-20-3	
Phenanthrene	ND	ug/kg	10.9	1.6	1	11/22/13 09:15	11/26/13 15:21	85-01-8	
Pyrene	ND	ug/kg	10.9	2.0	1	11/22/13 09:15	11/26/13 15:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	35	%	10-128		1	11/22/13 09:15	11/26/13 15:21	4165-60-0	
2-Fluorobiphenyl (S)	37	%	10-110		1	11/22/13 09:15	11/26/13 15:21	321-60-8	
Terphenyl-d14 (S)	41	%	39-119		1	11/22/13 09:15	11/26/13 15:21	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**80.3J**	ug/kg	92.7	9.3	1		11/27/13 18:32	67-64-1	
Benzene	ND	ug/kg	4.6	1.5	1		11/27/13 18:32	71-43-2	
Bromochloromethane	ND	ug/kg	4.6	1.6	1		11/27/13 18:32	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1.8	1		11/27/13 18:32	75-27-4	
Bromoform	ND	ug/kg	4.6	2.1	1		11/27/13 18:32	75-25-2	
Bromomethane	ND	ug/kg	9.3	2.3	1		11/27/13 18:32	74-83-9	
2-Butanone (MEK)	**14.3J**	ug/kg	92.7	2.7	1		11/27/13 18:32	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-01-7-8 **Lab ID: 92180392012** Collected: 11/19/13 11:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	9.3	2.8	1		11/27/13 18:32	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	2.4	1		11/27/13 18:32	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1.8	1		11/27/13 18:32	108-90-7	
Chloroethane	ND	ug/kg	9.3	2.2	1		11/27/13 18:32	75-00-3	
Chloroform	ND	ug/kg	4.6	1.5	1		11/27/13 18:32	67-66-3	
Chloromethane	ND	ug/kg	9.3	2.2	1		11/27/13 18:32	74-87-3	
Cyclohexane	ND	ug/kg	4.6	1.5	1		11/27/13 18:32	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	3.3	1		11/27/13 18:32	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1.7	1		11/27/13 18:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1.7	1		11/27/13 18:32	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1.8	1		11/27/13 18:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1.9	1		11/27/13 18:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1.6	1		11/27/13 18:32	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.3	3.3	1		11/27/13 18:32	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1.4	1		11/27/13 18:32	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	2.0	1		11/27/13 18:32	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1.7	1		11/27/13 18:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1.3	1		11/27/13 18:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1.8	1		11/27/13 18:32	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1.6	1		11/27/13 18:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1.7	1		11/27/13 18:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1.4	1		11/27/13 18:32	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	139	111	1		11/27/13 18:32	123-91-1	
Ethylbenzene	ND	ug/kg	4.6	1.7	1		11/27/13 18:32	100-41-4	
2-Hexanone	ND	ug/kg	46.4	3.6	1		11/27/13 18:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1.8	1		11/27/13 18:32	98-82-8	
Methyl acetate	ND	ug/kg	9.3	1.3	1		11/27/13 18:32	79-20-9	
Methylcyclohexane	ND	ug/kg	9.3	1.4	1		11/27/13 18:32	108-87-2	
Methylene Chloride	ND	ug/kg	18.5	2.8	1		11/27/13 18:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	46.4	3.4	1		11/27/13 18:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1.4	1		11/27/13 18:32	1634-04-4	
Styrene	ND	ug/kg	4.6	1.7	1		11/27/13 18:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1.8	1		11/27/13 18:32	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1.6	1		11/27/13 18:32	127-18-4	
Toluene	ND	ug/kg	4.6	1.7	1		11/27/13 18:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	2.0	1		11/27/13 18:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1.5	1		11/27/13 18:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1.7	1		11/27/13 18:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1.9	1		11/27/13 18:32	79-00-5	
Trichloroethene	**75.3**	ug/kg	4.6	1.9	1		11/27/13 18:32	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	2.0	1		11/27/13 18:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.6	1.8	1		11/27/13 18:32	76-13-1	
Vinyl chloride	ND	ug/kg	9.3	1.7	1		11/27/13 18:32	75-01-4	
m&p-Xylene	ND	ug/kg	9.3	3.3	1		11/27/13 18:32	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1.8	1		11/27/13 18:32	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-01-7-8 **Lab ID: 92180392012** Collected: 11/19/13 11:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		11/27/13 18:32	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1		11/27/13 18:32	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-132		1		11/27/13 18:32	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.5**	%	0.10	0.10	1		12/02/13 16:45		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-01-11-12 **Lab ID: 92180392013** Collected: 11/19/13 12:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	414	213	1	11/22/13 10:50	11/25/13 19:54	98-86-2	
Atrazine	ND	ug/kg	827	163	1	11/22/13 10:50	11/25/13 19:54	1912-24-9	
Benzaldehyde	ND	ug/kg	827	414	1	11/22/13 10:50	11/25/13 19:54	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	414	130	1	11/22/13 10:50	11/25/13 19:54	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	414	75.2	1	11/22/13 10:50	11/25/13 19:54	101-55-3	
Butylbenzylphthalate	ND	ug/kg	414	87.8	1	11/22/13 10:50	11/25/13 19:54	85-68-7	
Caprolactam	ND	ug/kg	414	71.5	1	11/22/13 10:50	11/25/13 19:54	105-60-2	
Carbazole	ND	ug/kg	414	79.0	1	11/22/13 10:50	11/25/13 19:54	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	827	85.2	1	11/22/13 10:50	11/25/13 19:54	59-50-7	
4-Chloroaniline	ND	ug/kg	2070	115	1	11/22/13 10:50	11/25/13 19:54	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	414	96.5	1	11/22/13 10:50	11/25/13 19:54	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	414	105	1	11/22/13 10:50	11/25/13 19:54	111-44-4	
2-Chloronaphthalene	ND	ug/kg	414	81.5	1	11/22/13 10:50	11/25/13 19:54	91-58-7	
2-Chlorophenol	ND	ug/kg	414	113	1	11/22/13 10:50	11/25/13 19:54	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	414	85.2	1	11/22/13 10:50	11/25/13 19:54	7005-72-3	
Dibenzofuran	ND	ug/kg	414	67.7	1	11/22/13 10:50	11/25/13 19:54	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2070	90.3	1	11/22/13 10:50	11/25/13 19:54	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	414	90.3	1	11/22/13 10:50	11/25/13 19:54	120-83-2	
Diethylphthalate	ND	ug/kg	414	63.9	1	11/22/13 10:50	11/25/13 19:54	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	414	163	1	11/22/13 10:50	11/25/13 19:54	105-67-9	
Dimethylphthalate	ND	ug/kg	414	84.0	1	11/22/13 10:50	11/25/13 19:54	131-11-3	
Di-n-butylphthalate	ND	ug/kg	414	67.7	1	11/22/13 10:50	11/25/13 19:54	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	827	82.7	1	11/22/13 10:50	11/25/13 19:54	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2070	67.7	1	11/22/13 10:50	11/25/13 19:54	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	414	77.7	1	11/22/13 10:50	11/25/13 19:54	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	414	86.5	1	11/22/13 10:50	11/25/13 19:54	606-20-2	
Di-n-octylphthalate	ND	ug/kg	414	86.5	1	11/22/13 10:50	11/25/13 19:54	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	414	113	1	11/22/13 10:50	11/25/13 19:54	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	414	71.5	1	11/22/13 10:50	11/25/13 19:54	87-68-3	
Hexachlorobenzene	ND	ug/kg	414	52.7	1	11/22/13 10:50	11/25/13 19:54	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	414	76.5	1	11/22/13 10:50	11/25/13 19:54	77-47-4	
Hexachloroethane	ND	ug/kg	414	109	1	11/22/13 10:50	11/25/13 19:54	67-72-1	
Isophorone	ND	ug/kg	414	92.8	1	11/22/13 10:50	11/25/13 19:54	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	414	125	1	11/22/13 10:50	11/25/13 19:54	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	414	163	1	11/22/13 10:50	11/25/13 19:54		
2-Nitroaniline	ND	ug/kg	2070	128	1	11/22/13 10:50	11/25/13 19:54	88-74-4	
3-Nitroaniline	ND	ug/kg	2070	113	1	11/22/13 10:50	11/25/13 19:54	99-09-2	
4-Nitroaniline	ND	ug/kg	827	117	1	11/22/13 10:50	11/25/13 19:54	100-01-6	
Nitrobenzene	ND	ug/kg	414	113	1	11/22/13 10:50	11/25/13 19:54	98-95-3	
2-Nitrophenol	ND	ug/kg	414	100	1	11/22/13 10:50	11/25/13 19:54	88-75-5	
4-Nitrophenol	ND	ug/kg	2070	74.0	1	11/22/13 10:50	11/25/13 19:54	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	414	79.0	1	11/22/13 10:50	11/25/13 19:54	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	414	123	1	11/22/13 10:50	11/25/13 19:54	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	414	110	1	11/22/13 10:50	11/25/13 19:54	108-60-1	
Pentachlorophenol	ND	ug/kg	2070	75.2	1	11/22/13 10:50	11/25/13 19:54	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-01-11-12 **Lab ID: 92180392013** Collected: 11/19/13 12:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	414	124	1	11/22/13 10:50	11/25/13 19:54	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	414	150	1	11/22/13 10:50	11/25/13 19:54	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	414	163	1	11/22/13 10:50	11/25/13 19:54	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	414	128	1	11/22/13 10:50	11/25/13 19:54	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	414	91.5	1	11/22/13 10:50	11/25/13 19:54	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	47	%	30-110		1	11/22/13 10:50	11/25/13 19:54	321-60-8	
Terphenyl-d14 (S)	50	%	28-110		1	11/22/13 10:50	11/25/13 19:54	1718-51-0	
Phenol-d6 (S)	45	%	22-110		1	11/22/13 10:50	11/25/13 19:54	13127-88-3	
2-Fluorophenol (S)	45	%	13-110		1	11/22/13 10:50	11/25/13 19:54	367-12-4	
2,4,6-Tribromophenol (S)	42	%	27-110		1	11/22/13 10:50	11/25/13 19:54	118-79-6	
Nitrobenzene-d5 (S)	44	%	23-110		1	11/22/13 10:50	11/25/13 19:54	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.5	1.9	1	11/22/13 09:15	11/26/13 15:41	83-32-9	
Acenaphthylene	ND	ug/kg	12.5	1.6	1	11/22/13 09:15	11/26/13 15:41	208-96-8	
Anthracene	ND	ug/kg	12.5	1.8	1	11/22/13 09:15	11/26/13 15:41	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.5	0.89	1	11/22/13 09:15	11/26/13 15:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.5	1.4	1	11/22/13 09:15	11/26/13 15:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.5	0.84	1	11/22/13 09:15	11/26/13 15:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.5	3.3	1	11/22/13 09:15	11/26/13 15:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.5	1.9	1	11/22/13 09:15	11/26/13 15:41	207-08-9	
Chrysene	ND	ug/kg	12.5	2.3	1	11/22/13 09:15	11/26/13 15:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.5	2.3	1	11/22/13 09:15	11/26/13 15:41	53-70-3	
Fluoranthene	ND	ug/kg	12.5	1.0	1	11/22/13 09:15	11/26/13 15:41	206-44-0	
Fluorene	ND	ug/kg	12.5	2.0	1	11/22/13 09:15	11/26/13 15:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.5	3.5	1	11/22/13 09:15	11/26/13 15:41	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.5	1.5	1	11/22/13 09:15	11/26/13 15:41	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.5	1.4	1	11/22/13 09:15	11/26/13 15:41	91-57-6	
Naphthalene	ND	ug/kg	12.5	2.9	1	11/22/13 09:15	11/26/13 15:41	91-20-3	
Phenanthrene	ND	ug/kg	12.5	1.9	1	11/22/13 09:15	11/26/13 15:41	85-01-8	
Pyrene	ND	ug/kg	12.5	2.3	1	11/22/13 09:15	11/26/13 15:41	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	59	%	10-128		1	11/22/13 09:15	11/26/13 15:41	4165-60-0	
2-Fluorobiphenyl (S)	58	%	10-110		1	11/22/13 09:15	11/26/13 15:41	321-60-8	
Terphenyl-d14 (S)	56	%	39-119		1	11/22/13 09:15	11/26/13 15:41	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**76.4J**	ug/kg	107	10.7	1		11/27/13 18:52	67-64-1	
Benzene	ND	ug/kg	5.4	1.7	1		11/27/13 18:52	71-43-2	
Bromochloromethane	ND	ug/kg	5.4	1.8	1		11/27/13 18:52	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	2.0	1		11/27/13 18:52	75-27-4	
Bromoform	ND	ug/kg	5.4	2.5	1		11/27/13 18:52	75-25-2	
Bromomethane	ND	ug/kg	10.7	2.7	1		11/27/13 18:52	74-83-9	
2-Butanone (MEK)	ND	ug/kg	107	3.1	1		11/27/13 18:52	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-01-11-12 **Lab ID: 92180392013** Collected: 11/19/13 12:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.7	3.2	1		11/27/13 18:52	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.4	2.8	1		11/27/13 18:52	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	2.0	1		11/27/13 18:52	108-90-7	
Chloroethane	ND	ug/kg	10.7	2.6	1		11/27/13 18:52	75-00-3	
Chloroform	ND	ug/kg	5.4	1.7	1		11/27/13 18:52	67-66-3	
Chloromethane	ND	ug/kg	10.7	2.6	1		11/27/13 18:52	74-87-3	
Cyclohexane	ND	ug/kg	5.4	1.7	1		11/27/13 18:52	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.4	3.9	1		11/27/13 18:52	96-12-8	
Dibromochloromethane	ND	ug/kg	5.4	1.9	1		11/27/13 18:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	1.9	1		11/27/13 18:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.4	2.0	1		11/27/13 18:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	2.1	1		11/27/13 18:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	1.8	1		11/27/13 18:52	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.7	3.9	1		11/27/13 18:52	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.4	1.6	1		11/27/13 18:52	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	2.4	1		11/27/13 18:52	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.4	1.9	1		11/27/13 18:52	75-35-4	
cis-1,2-Dichloroethene	**10.2**	ug/kg	5.4	1.5	1		11/27/13 18:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	2.0	1		11/27/13 18:52	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1.8	1		11/27/13 18:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1.9	1		11/27/13 18:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1.6	1		11/27/13 18:52	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	161	129	1		11/27/13 18:52	123-91-1	
Ethylbenzene	ND	ug/kg	5.4	1.9	1		11/27/13 18:52	100-41-4	
2-Hexanone	ND	ug/kg	53.6	4.2	1		11/27/13 18:52	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	2.0	1		11/27/13 18:52	98-82-8	
Methyl acetate	ND	ug/kg	10.7	1.5	1		11/27/13 18:52	79-20-9	
Methylcyclohexane	ND	ug/kg	10.7	1.6	1		11/27/13 18:52	108-87-2	
Methylene Chloride	ND	ug/kg	21.4	3.2	1		11/27/13 18:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	53.6	4.0	1		11/27/13 18:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	1.6	1		11/27/13 18:52	1634-04-4	
Styrene	ND	ug/kg	5.4	1.9	1		11/27/13 18:52	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	2.0	1		11/27/13 18:52	79-34-5	
Tetrachloroethene	ND	ug/kg	5.4	1.8	1		11/27/13 18:52	127-18-4	
Toluene	ND	ug/kg	5.4	1.9	1		11/27/13 18:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	2.4	1		11/27/13 18:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1.7	1		11/27/13 18:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.4	1.9	1		11/27/13 18:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	2.3	1		11/27/13 18:52	79-00-5	
Trichloroethene	**2630**	ug/kg	532	223	100		12/01/13 13:59	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.4	2.4	1		11/27/13 18:52	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.4	2.0	1		11/27/13 18:52	76-13-1	
Vinyl chloride	ND	ug/kg	10.7	1.9	1		11/27/13 18:52	75-01-4	
m&p-Xylene	ND	ug/kg	10.7	3.9	1		11/27/13 18:52	179601-23-1	
o-Xylene	ND	ug/kg	5.4	2.0	1		11/27/13 18:52	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-01-11-12 **Lab ID: 92180392013** Collected: 11/19/13 12:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	91	%	70-130		1		11/27/13 18:52	2037-26-5	
4-Bromofluorobenzene (S)	110	%	70-130		1		11/27/13 18:52	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-132		1		11/27/13 18:52	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.2**	%	0.10	0.10	1		12/02/13 16:46		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-15-4-5 **Lab ID: 92180392014** Collected: 11/19/13 13:25 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	3770	1940	10	11/22/13 10:50	11/25/13 20:22	98-86-2	
Atrazine	ND	ug/kg	7540	1490	10	11/22/13 10:50	11/25/13 20:22	1912-24-9	
Benzaldehyde	ND	ug/kg	7540	3770	10	11/22/13 10:50	11/25/13 20:22	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	3770	1190	10	11/22/13 10:50	11/25/13 20:22	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	3770	686	10	11/22/13 10:50	11/25/13 20:22	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3770	800	10	11/22/13 10:50	11/25/13 20:22	85-68-7	
Caprolactam	ND	ug/kg	3770	652	10	11/22/13 10:50	11/25/13 20:22	105-60-2	IO
Carbazole	ND	ug/kg	3770	720	10	11/22/13 10:50	11/25/13 20:22	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	7540	777	10	11/22/13 10:50	11/25/13 20:22	59-50-7	
4-Chloroaniline	ND	ug/kg	18900	1050	10	11/22/13 10:50	11/25/13 20:22	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	3770	880	10	11/22/13 10:50	11/25/13 20:22	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3770	960	10	11/22/13 10:50	11/25/13 20:22	111-44-4	
2-Chloronaphthalene	ND	ug/kg	3770	743	10	11/22/13 10:50	11/25/13 20:22	91-58-7	
2-Chlorophenol	ND	ug/kg	3770	1030	10	11/22/13 10:50	11/25/13 20:22	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3770	777	10	11/22/13 10:50	11/25/13 20:22	7005-72-3	
Dibenzofuran	ND	ug/kg	3770	617	10	11/22/13 10:50	11/25/13 20:22	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	18900	823	10	11/22/13 10:50	11/25/13 20:22	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	3770	823	10	11/22/13 10:50	11/25/13 20:22	120-83-2	
Diethylphthalate	ND	ug/kg	3770	583	10	11/22/13 10:50	11/25/13 20:22	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3770	1490	10	11/22/13 10:50	11/25/13 20:22	105-67-9	
Dimethylphthalate	ND	ug/kg	3770	766	10	11/22/13 10:50	11/25/13 20:22	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3770	617	10	11/22/13 10:50	11/25/13 20:22	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	7540	754	10	11/22/13 10:50	11/25/13 20:22	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	18900	617	10	11/22/13 10:50	11/25/13 20:22	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3770	709	10	11/22/13 10:50	11/25/13 20:22	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3770	789	10	11/22/13 10:50	11/25/13 20:22	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3770	789	10	11/22/13 10:50	11/25/13 20:22	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3770	1030	10	11/22/13 10:50	11/25/13 20:22	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	3770	652	10	11/22/13 10:50	11/25/13 20:22	87-68-3	
Hexachlorobenzene	ND	ug/kg	3770	480	10	11/22/13 10:50	11/25/13 20:22	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	3770	697	10	11/22/13 10:50	11/25/13 20:22	77-47-4	
Hexachloroethane	ND	ug/kg	3770	995	10	11/22/13 10:50	11/25/13 20:22	67-72-1	
Isophorone	ND	ug/kg	3770	846	10	11/22/13 10:50	11/25/13 20:22	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	3770	1140	10	11/22/13 10:50	11/25/13 20:22	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	3770	1490	10	11/22/13 10:50	11/25/13 20:22		
2-Nitroaniline	ND	ug/kg	18900	1170	10	11/22/13 10:50	11/25/13 20:22	88-74-4	
3-Nitroaniline	ND	ug/kg	18900	1030	10	11/22/13 10:50	11/25/13 20:22	99-09-2	
4-Nitroaniline	ND	ug/kg	7540	1060	10	11/22/13 10:50	11/25/13 20:22	100-01-6	
Nitrobenzene	ND	ug/kg	3770	1030	10	11/22/13 10:50	11/25/13 20:22	98-95-3	
2-Nitrophenol	ND	ug/kg	3770	914	10	11/22/13 10:50	11/25/13 20:22	88-75-5	
4-Nitrophenol	ND	ug/kg	18900	674	10	11/22/13 10:50	11/25/13 20:22	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	3770	720	10	11/22/13 10:50	11/25/13 20:22	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	3770	1120	10	11/22/13 10:50	11/25/13 20:22	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	3770	1010	10	11/22/13 10:50	11/25/13 20:22	108-60-1	
Pentachlorophenol	ND	ug/kg	18900	686	10	11/22/13 10:50	11/25/13 20:22	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-15-4-5 **Lab ID: 92180392014** Collected: 11/19/13 13:25 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	3770	1130	10	11/22/13 10:50	11/25/13 20:22	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	3770	1370	10	11/22/13 10:50	11/25/13 20:22	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	3770	1490	10	11/22/13 10:50	11/25/13 20:22	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	3770	1170	10	11/22/13 10:50	11/25/13 20:22	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3770	834	10	11/22/13 10:50	11/25/13 20:22	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	0	%	30-110		10	11/22/13 10:50	11/25/13 20:22	321-60-8	D3,S4
Terphenyl-d14 (S)	0	%	28-110		10	11/22/13 10:50	11/25/13 20:22	1718-51-0	
Phenol-d6 (S)	0	%	22-110		10	11/22/13 10:50	11/25/13 20:22	13127-88-3	
2-Fluorophenol (S)	0	%	13-110		10	11/22/13 10:50	11/25/13 20:22	367-12-4	
2,4,6-Tribromophenol (S)	0	%	27-110		10	11/22/13 10:50	11/25/13 20:22	118-79-6	
Nitrobenzene-d5 (S)	0	%	23-110		10	11/22/13 10:50	11/25/13 20:22	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	572	85.7	50	11/22/13 09:15	11/26/13 21:01	83-32-9	
Acenaphthylene	ND	ug/kg	572	74.3	50	11/22/13 09:15	11/26/13 21:01	208-96-8	
Anthracene	ND	ug/kg	572	80.0	50	11/22/13 09:15	11/26/13 21:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	572	40.6	50	11/22/13 09:15	11/26/13 21:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	572	62.9	50	11/22/13 09:15	11/26/13 21:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	572	38.3	50	11/22/13 09:15	11/26/13 21:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	572	149	50	11/22/13 09:15	11/26/13 21:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	572	85.7	50	11/22/13 09:15	11/26/13 21:01	207-08-9	
Chrysene	ND	ug/kg	572	103	50	11/22/13 09:15	11/26/13 21:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	572	103	50	11/22/13 09:15	11/26/13 21:01	53-70-3	
Fluoranthene	ND	ug/kg	572	47.4	50	11/22/13 09:15	11/26/13 21:01	206-44-0	
Fluorene	ND	ug/kg	572	91.4	50	11/22/13 09:15	11/26/13 21:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	572	160	50	11/22/13 09:15	11/26/13 21:01	193-39-5	
1-Methylnaphthalene	ND	ug/kg	572	68.6	50	11/22/13 09:15	11/26/13 21:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	572	62.9	50	11/22/13 09:15	11/26/13 21:01	91-57-6	
Naphthalene	ND	ug/kg	572	131	50	11/22/13 09:15	11/26/13 21:01	91-20-3	
Phenanthrene	ND	ug/kg	572	85.7	50	11/22/13 09:15	11/26/13 21:01	85-01-8	
Pyrene	ND	ug/kg	572	103	50	11/22/13 09:15	11/26/13 21:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	0	%	10-128		50	11/22/13 09:15	11/26/13 21:01	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	10-110		50	11/22/13 09:15	11/26/13 21:01	321-60-8	
Terphenyl-d14 (S)	0	%	39-119		50	11/22/13 09:15	11/26/13 21:01	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**476J**	ug/kg	2690	269	25		11/27/13 19:11	67-64-1	
Benzene	ND	ug/kg	135	43.1	25		11/27/13 19:11	71-43-2	
Bromochloromethane	ND	ug/kg	135	45.7	25		11/27/13 19:11	74-97-5	
Bromodichloromethane	ND	ug/kg	135	51.1	25		11/27/13 19:11	75-27-4	
Bromoform	ND	ug/kg	135	61.9	25		11/27/13 19:11	75-25-2	
Bromomethane	ND	ug/kg	269	67.3	25		11/27/13 19:11	74-83-9	
2-Butanone (MEK)	ND	ug/kg	2690	78.0	25		11/27/13 19:11	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-15-4-5 **Lab ID: 92180392014** Collected: 11/19/13 13:25 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	269	80.7	25		11/27/13 19:11	75-15-0	
Carbon tetrachloride	ND	ug/kg	135	70.0	25		11/27/13 19:11	56-23-5	
Chlorobenzene	ND	ug/kg	135	51.1	25		11/27/13 19:11	108-90-7	
Chloroethane	ND	ug/kg	269	64.6	25		11/27/13 19:11	75-00-3	
Chloroform	ND	ug/kg	135	43.1	25		11/27/13 19:11	67-66-3	
Chloromethane	ND	ug/kg	269	64.6	25		11/27/13 19:11	74-87-3	
Cyclohexane	ND	ug/kg	135	43.1	25		11/27/13 19:11	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	135	96.9	25		11/27/13 19:11	96-12-8	
Dibromochloromethane	ND	ug/kg	135	48.4	25		11/27/13 19:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	135	48.4	25		11/27/13 19:11	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	135	51.1	25		11/27/13 19:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	135	53.8	25		11/27/13 19:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	135	45.7	25		11/27/13 19:11	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	269	96.9	25		11/27/13 19:11	75-71-8	
1,1-Dichloroethane	ND	ug/kg	135	40.4	25		11/27/13 19:11	75-34-3	
1,2-Dichloroethane	ND	ug/kg	135	59.2	25		11/27/13 19:11	107-06-2	
1,1-Dichloroethene	ND	ug/kg	135	48.4	25		11/27/13 19:11	75-35-4	
cis-1,2-Dichloroethene	**219**	ug/kg	135	37.7	25		11/27/13 19:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	135	51.1	25		11/27/13 19:11	156-60-5	
1,2-Dichloropropane	ND	ug/kg	135	45.7	25		11/27/13 19:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	135	48.4	25		11/27/13 19:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	135	40.4	25		11/27/13 19:11	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	4040	3230	25		11/27/13 19:11	123-91-1	
Ethylbenzene	ND	ug/kg	135	48.4	25		11/27/13 19:11	100-41-4	
2-Hexanone	ND	ug/kg	1350	105	25		11/27/13 19:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	135	51.1	25		11/27/13 19:11	98-82-8	
Methyl acetate	**760**	ug/kg	269	37.7	25		11/27/13 19:11	79-20-9	
Methylcyclohexane	ND	ug/kg	269	40.4	25		11/27/13 19:11	108-87-2	
Methylene Chloride	ND	ug/kg	538	80.7	25		11/27/13 19:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1350	99.6	25		11/27/13 19:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	135	40.4	25		11/27/13 19:11	1634-04-4	
Styrene	ND	ug/kg	135	48.4	25		11/27/13 19:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	135	51.1	25		11/27/13 19:11	79-34-5	
Tetrachloroethene	**299**	ug/kg	135	45.7	25		11/27/13 19:11	127-18-4	
Toluene	ND	ug/kg	135	48.4	25		11/27/13 19:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	135	59.2	25		11/27/13 19:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	135	43.1	25		11/27/13 19:11	120-82-1	
1,1,1-Trichloroethane	**432**	ug/kg	135	48.4	25		11/27/13 19:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	135	56.5	25		11/27/13 19:11	79-00-5	
Trichloroethene	**14800**	ug/kg	1080	452	200		12/01/13 14:18	79-01-6	
Trichlorofluoromethane	ND	ug/kg	135	59.2	25		11/27/13 19:11	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	135	51.1	25		11/27/13 19:11	76-13-1	
Vinyl chloride	ND	ug/kg	269	48.4	25		11/27/13 19:11	75-01-4	
m&p-Xylene	ND	ug/kg	269	96.9	25		11/27/13 19:11	179601-23-1	
o-Xylene	ND	ug/kg	135	51.1	25		11/27/13 19:11	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-15-4-5 **Lab ID: 92180392014** Collected: 11/19/13 13:25 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	94	%	70-130		25		11/27/13 19:11	2037-26-5	
4-Bromofluorobenzene (S)	117	%	70-130		25		11/27/13 19:11	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-132		25		11/27/13 19:11	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.5**	%	0.10	0.10	1		12/02/13 16:46		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-15-7-8 **Lab ID: 92180392015** Collected: 11/19/13 13:40 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	375	193	1	11/22/13 10:50	11/25/13 20:50	98-86-2	
Atrazine	ND	ug/kg	751	148	1	11/22/13 10:50	11/25/13 20:50	1912-24-9	
Benzaldehyde	ND	ug/kg	751	375	1	11/22/13 10:50	11/25/13 20:50	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	375	118	1	11/22/13 10:50	11/25/13 20:50	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	375	68.3	1	11/22/13 10:50	11/25/13 20:50	101-55-3	
Butylbenzylphthalate	ND	ug/kg	375	79.6	1	11/22/13 10:50	11/25/13 20:50	85-68-7	
Caprolactam	ND	ug/kg	375	64.8	1	11/22/13 10:50	11/25/13 20:50	105-60-2	
Carbazole	ND	ug/kg	375	71.7	1	11/22/13 10:50	11/25/13 20:50	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	751	77.4	1	11/22/13 10:50	11/25/13 20:50	59-50-7	
4-Chloroaniline	ND	ug/kg	1880	105	1	11/22/13 10:50	11/25/13 20:50	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	375	87.6	1	11/22/13 10:50	11/25/13 20:50	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	375	95.6	1	11/22/13 10:50	11/25/13 20:50	111-44-4	
2-Chloronaphthalene	ND	ug/kg	375	73.9	1	11/22/13 10:50	11/25/13 20:50	91-58-7	
2-Chlorophenol	ND	ug/kg	375	102	1	11/22/13 10:50	11/25/13 20:50	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	375	77.4	1	11/22/13 10:50	11/25/13 20:50	7005-72-3	
Dibenzofuran	ND	ug/kg	375	61.4	1	11/22/13 10:50	11/25/13 20:50	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1880	81.9	1	11/22/13 10:50	11/25/13 20:50	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	375	81.9	1	11/22/13 10:50	11/25/13 20:50	120-83-2	
Diethylphthalate	ND	ug/kg	375	58.0	1	11/22/13 10:50	11/25/13 20:50	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	375	148	1	11/22/13 10:50	11/25/13 20:50	105-67-9	
Dimethylphthalate	ND	ug/kg	375	76.2	1	11/22/13 10:50	11/25/13 20:50	131-11-3	
Di-n-butylphthalate	ND	ug/kg	375	61.4	1	11/22/13 10:50	11/25/13 20:50	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	751	75.1	1	11/22/13 10:50	11/25/13 20:50	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1880	61.4	1	11/22/13 10:50	11/25/13 20:50	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	375	70.5	1	11/22/13 10:50	11/25/13 20:50	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	375	78.5	1	11/22/13 10:50	11/25/13 20:50	606-20-2	
Di-n-octylphthalate	ND	ug/kg	375	78.5	1	11/22/13 10:50	11/25/13 20:50	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	375	102	1	11/22/13 10:50	11/25/13 20:50	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	375	64.8	1	11/22/13 10:50	11/25/13 20:50	87-68-3	
Hexachlorobenzene	ND	ug/kg	375	47.8	1	11/22/13 10:50	11/25/13 20:50	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	375	69.4	1	11/22/13 10:50	11/25/13 20:50	77-47-4	
Hexachloroethane	ND	ug/kg	375	99.0	1	11/22/13 10:50	11/25/13 20:50	67-72-1	
Isophorone	ND	ug/kg	375	84.2	1	11/22/13 10:50	11/25/13 20:50	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	375	114	1	11/22/13 10:50	11/25/13 20:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	375	148	1	11/22/13 10:50	11/25/13 20:50		
2-Nitroaniline	ND	ug/kg	1880	116	1	11/22/13 10:50	11/25/13 20:50	88-74-4	
3-Nitroaniline	ND	ug/kg	1880	102	1	11/22/13 10:50	11/25/13 20:50	99-09-2	
4-Nitroaniline	ND	ug/kg	751	106	1	11/22/13 10:50	11/25/13 20:50	100-01-6	
Nitrobenzene	ND	ug/kg	375	102	1	11/22/13 10:50	11/25/13 20:50	98-95-3	
2-Nitrophenol	ND	ug/kg	375	91.0	1	11/22/13 10:50	11/25/13 20:50	88-75-5	
4-Nitrophenol	ND	ug/kg	1880	67.1	1	11/22/13 10:50	11/25/13 20:50	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	375	71.7	1	11/22/13 10:50	11/25/13 20:50	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	375	111	1	11/22/13 10:50	11/25/13 20:50	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	375	100	1	11/22/13 10:50	11/25/13 20:50	108-60-1	
Pentachlorophenol	ND	ug/kg	1880	68.3	1	11/22/13 10:50	11/25/13 20:50	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-15-7-8 **Lab ID: 92180392015** Collected: 11/19/13 13:40 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	375	113	1	11/22/13 10:50	11/25/13 20:50	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	375	137	1	11/22/13 10:50	11/25/13 20:50	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	375	148	1	11/22/13 10:50	11/25/13 20:50	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	375	116	1	11/22/13 10:50	11/25/13 20:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	375	83.0	1	11/22/13 10:50	11/25/13 20:50	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	38	%	30-110		1	11/22/13 10:50	11/25/13 20:50	321-60-8	
Terphenyl-d14 (S)	42	%	28-110		1	11/22/13 10:50	11/25/13 20:50	1718-51-0	
Phenol-d6 (S)	40	%	22-110		1	11/22/13 10:50	11/25/13 20:50	13127-88-3	
2-Fluorophenol (S)	39	%	13-110		1	11/22/13 10:50	11/25/13 20:50	367-12-4	
2,4,6-Tribromophenol (S)	41	%	27-110		1	11/22/13 10:50	11/25/13 20:50	118-79-6	
Nitrobenzene-d5 (S)	35	%	23-110		1	11/22/13 10:50	11/25/13 20:50	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.4	1.7	1	11/22/13 09:15	11/26/13 16:21	83-32-9	
Acenaphthylene	ND	ug/kg	11.4	1.5	1	11/22/13 09:15	11/26/13 16:21	208-96-8	
Anthracene	ND	ug/kg	11.4	1.6	1	11/22/13 09:15	11/26/13 16:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.4	0.81	1	11/22/13 09:15	11/26/13 16:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.4	1.3	1	11/22/13 09:15	11/26/13 16:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.4	0.76	1	11/22/13 09:15	11/26/13 16:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.4	3.0	1	11/22/13 09:15	11/26/13 16:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.4	1.7	1	11/22/13 09:15	11/26/13 16:21	207-08-9	
Chrysene	ND	ug/kg	11.4	2.0	1	11/22/13 09:15	11/26/13 16:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.4	2.0	1	11/22/13 09:15	11/26/13 16:21	53-70-3	
Fluoranthene	ND	ug/kg	11.4	0.94	1	11/22/13 09:15	11/26/13 16:21	206-44-0	
Fluorene	ND	ug/kg	11.4	1.8	1	11/22/13 09:15	11/26/13 16:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.4	3.2	1	11/22/13 09:15	11/26/13 16:21	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.4	1.4	1	11/22/13 09:15	11/26/13 16:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.4	1.3	1	11/22/13 09:15	11/26/13 16:21	91-57-6	
Naphthalene	ND	ug/kg	11.4	2.6	1	11/22/13 09:15	11/26/13 16:21	91-20-3	
Phenanthrene	ND	ug/kg	11.4	1.7	1	11/22/13 09:15	11/26/13 16:21	85-01-8	
Pyrene	ND	ug/kg	11.4	2.0	1	11/22/13 09:15	11/26/13 16:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	30	%	10-128		1	11/22/13 09:15	11/26/13 16:21	4165-60-0	
2-Fluorobiphenyl (S)	33	%	10-110		1	11/22/13 09:15	11/26/13 16:21	321-60-8	
Terphenyl-d14 (S)	40	%	39-119		1	11/22/13 09:15	11/26/13 16:21	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**498**	ug/kg	100	10	1		11/29/13 17:22	67-64-1	E
Benzene	ND	ug/kg	5.0	1.6	1		11/29/13 17:22	71-43-2	
Bromochloromethane	ND	ug/kg	5.0	1.7	1		11/29/13 17:22	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1.9	1		11/29/13 17:22	75-27-4	
Bromoform	ND	ug/kg	5.0	2.3	1		11/29/13 17:22	75-25-2	
Bromomethane	ND	ug/kg	10	2.5	1		11/29/13 17:22	74-83-9	
2-Butanone (MEK)	**101**	ug/kg	100	2.9	1		11/29/13 17:22	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-15-7-8 **Lab ID: 92180392015** Collected: 11/19/13 13:40 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10	3.0	1		11/29/13 17:22	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	2.6	1		11/29/13 17:22	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1.9	1		11/29/13 17:22	108-90-7	
Chloroethane	ND	ug/kg	10	2.4	1		11/29/13 17:22	75-00-3	
Chloroform	ND	ug/kg	5.0	1.6	1		11/29/13 17:22	67-66-3	
Chloromethane	ND	ug/kg	10	2.4	1		11/29/13 17:22	74-87-3	
Cyclohexane	ND	ug/kg	5.0	1.6	1		11/29/13 17:22	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	3.6	1		11/29/13 17:22	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1.8	1		11/29/13 17:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1.8	1		11/29/13 17:22	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1.9	1		11/29/13 17:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	2.0	1		11/29/13 17:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1.7	1		11/29/13 17:22	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10	3.6	1		11/29/13 17:22	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1.5	1		11/29/13 17:22	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	2.2	1		11/29/13 17:22	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1.8	1		11/29/13 17:22	75-35-4	
cis-1,2-Dichloroethene	**5.8**	ug/kg	5.0	1.4	1		11/29/13 17:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1.9	1		11/29/13 17:22	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1.7	1		11/29/13 17:22	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1.8	1		11/29/13 17:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1.5	1		11/29/13 17:22	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	150	120	1		11/29/13 17:22	123-91-1	
Ethylbenzene	ND	ug/kg	5.0	1.8	1		11/29/13 17:22	100-41-4	
2-Hexanone	**12.5J**	ug/kg	50.0	3.9	1		11/29/13 17:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1.9	1		11/29/13 17:22	98-82-8	
Methyl acetate	ND	ug/kg	10	1.4	1		11/29/13 17:22	79-20-9	
Methylcyclohexane	ND	ug/kg	10	1.5	1		11/29/13 17:22	108-87-2	
Methylene Chloride	ND	ug/kg	20.0	3.0	1		11/29/13 17:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.0	3.7	1		11/29/13 17:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1.5	1		11/29/13 17:22	1634-04-4	
Styrene	ND	ug/kg	5.0	1.8	1		11/29/13 17:22	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1.9	1		11/29/13 17:22	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1.7	1		11/29/13 17:22	127-18-4	
Toluene	ND	ug/kg	5.0	1.8	1		11/29/13 17:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	2.2	1		11/29/13 17:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1.6	1		11/29/13 17:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1.8	1		11/29/13 17:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	2.1	1		11/29/13 17:22	79-00-5	
Trichloroethene	**34.7**	ug/kg	5.0	2.1	1		11/29/13 17:22	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	2.2	1		11/29/13 17:22	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.0	1.9	1		11/29/13 17:22	76-13-1	
Vinyl chloride	ND	ug/kg	10	1.8	1		11/29/13 17:22	75-01-4	
m&p-Xylene	ND	ug/kg	10	3.6	1		11/29/13 17:22	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1.9	1		11/29/13 17:22	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-15-7-8 **Lab ID: 92180392015** Collected: 11/19/13 13:40 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		11/29/13 17:22	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		11/29/13 17:22	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	70-132		1		11/29/13 17:22	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.1**	%	0.10	0.10	1		12/02/13 16:46		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-15-11-12 **Lab ID: 92180392016** Collected: 11/19/13 13:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	402	207	1	11/22/13 10:50	11/25/13 21:17	98-86-2	
Atrazine	ND	ug/kg	803	158	1	11/22/13 10:50	11/25/13 21:17	1912-24-9	
Benzaldehyde	ND	ug/kg	803	402	1	11/22/13 10:50	11/25/13 21:17	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	402	127	1	11/22/13 10:50	11/25/13 21:17	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	402	73.0	1	11/22/13 10:50	11/25/13 21:17	101-55-3	
Butylbenzylphthalate	ND	ug/kg	402	85.2	1	11/22/13 10:50	11/25/13 21:17	85-68-7	
Caprolactam	ND	ug/kg	402	69.4	1	11/22/13 10:50	11/25/13 21:17	105-60-2	
Carbazole	ND	ug/kg	402	76.7	1	11/22/13 10:50	11/25/13 21:17	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	803	82.8	1	11/22/13 10:50	11/25/13 21:17	59-50-7	
4-Chloroaniline	ND	ug/kg	2010	112	1	11/22/13 10:50	11/25/13 21:17	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	402	93.7	1	11/22/13 10:50	11/25/13 21:17	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	402	102	1	11/22/13 10:50	11/25/13 21:17	111-44-4	
2-Chloronaphthalene	ND	ug/kg	402	79.1	1	11/22/13 10:50	11/25/13 21:17	91-58-7	
2-Chlorophenol	ND	ug/kg	402	110	1	11/22/13 10:50	11/25/13 21:17	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	402	82.8	1	11/22/13 10:50	11/25/13 21:17	7005-72-3	
Dibenzofuran	ND	ug/kg	402	65.7	1	11/22/13 10:50	11/25/13 21:17	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2010	87.6	1	11/22/13 10:50	11/25/13 21:17	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	402	87.6	1	11/22/13 10:50	11/25/13 21:17	120-83-2	
Diethylphthalate	ND	ug/kg	402	62.1	1	11/22/13 10:50	11/25/13 21:17	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	402	158	1	11/22/13 10:50	11/25/13 21:17	105-67-9	
Dimethylphthalate	ND	ug/kg	402	81.5	1	11/22/13 10:50	11/25/13 21:17	131-11-3	
Di-n-butylphthalate	ND	ug/kg	402	65.7	1	11/22/13 10:50	11/25/13 21:17	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	803	80.3	1	11/22/13 10:50	11/25/13 21:17	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2010	65.7	1	11/22/13 10:50	11/25/13 21:17	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	402	75.5	1	11/22/13 10:50	11/25/13 21:17	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	402	84.0	1	11/22/13 10:50	11/25/13 21:17	606-20-2	
Di-n-octylphthalate	ND	ug/kg	402	84.0	1	11/22/13 10:50	11/25/13 21:17	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	402	110	1	11/22/13 10:50	11/25/13 21:17	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	402	69.4	1	11/22/13 10:50	11/25/13 21:17	87-68-3	
Hexachlorobenzene	ND	ug/kg	402	51.1	1	11/22/13 10:50	11/25/13 21:17	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	402	74.2	1	11/22/13 10:50	11/25/13 21:17	77-47-4	
Hexachloroethane	ND	ug/kg	402	106	1	11/22/13 10:50	11/25/13 21:17	67-72-1	
Isophorone	ND	ug/kg	402	90.1	1	11/22/13 10:50	11/25/13 21:17	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	402	122	1	11/22/13 10:50	11/25/13 21:17	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	402	158	1	11/22/13 10:50	11/25/13 21:17		
2-Nitroaniline	ND	ug/kg	2010	124	1	11/22/13 10:50	11/25/13 21:17	88-74-4	
3-Nitroaniline	ND	ug/kg	2010	110	1	11/22/13 10:50	11/25/13 21:17	99-09-2	
4-Nitroaniline	ND	ug/kg	803	113	1	11/22/13 10:50	11/25/13 21:17	100-01-6	
Nitrobenzene	ND	ug/kg	402	110	1	11/22/13 10:50	11/25/13 21:17	98-95-3	
2-Nitrophenol	ND	ug/kg	402	97.4	1	11/22/13 10:50	11/25/13 21:17	88-75-5	
4-Nitrophenol	ND	ug/kg	2010	71.8	1	11/22/13 10:50	11/25/13 21:17	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	402	76.7	1	11/22/13 10:50	11/25/13 21:17	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	402	119	1	11/22/13 10:50	11/25/13 21:17	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	402	107	1	11/22/13 10:50	11/25/13 21:17	108-60-1	
Pentachlorophenol	ND	ug/kg	2010	73.0	1	11/22/13 10:50	11/25/13 21:17	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-15-11-12 **Lab ID: 92180392016** Collected: 11/19/13 13:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	402	120	1	11/22/13 10:50	11/25/13 21:17	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	402	146	1	11/22/13 10:50	11/25/13 21:17	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	402	158	1	11/22/13 10:50	11/25/13 21:17	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	402	124	1	11/22/13 10:50	11/25/13 21:17	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	402	88.8	1	11/22/13 10:50	11/25/13 21:17	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	46	%	30-110		1	11/22/13 10:50	11/25/13 21:17	321-60-8	
Terphenyl-d14 (S)	47	%	28-110		1	11/22/13 10:50	11/25/13 21:17	1718-51-0	
Phenol-d6 (S)	49	%	22-110		1	11/22/13 10:50	11/25/13 21:17	13127-88-3	
2-Fluorophenol (S)	46	%	13-110		1	11/22/13 10:50	11/25/13 21:17	367-12-4	
2,4,6-Tribromophenol (S)	49	%	27-110		1	11/22/13 10:50	11/25/13 21:17	118-79-6	
Nitrobenzene-d5 (S)	44	%	23-110		1	11/22/13 10:50	11/25/13 21:17	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.2	1.8	1	11/22/13 09:15	11/26/13 16:41	83-32-9	
Acenaphthylene	ND	ug/kg	12.2	1.6	1	11/22/13 09:15	11/26/13 16:41	208-96-8	
Anthracene	ND	ug/kg	12.2	1.7	1	11/22/13 09:15	11/26/13 16:41	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.2	0.86	1	11/22/13 09:15	11/26/13 16:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.2	1.3	1	11/22/13 09:15	11/26/13 16:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.2	0.82	1	11/22/13 09:15	11/26/13 16:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.2	3.2	1	11/22/13 09:15	11/26/13 16:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.2	1.8	1	11/22/13 09:15	11/26/13 16:41	207-08-9	
Chrysene	ND	ug/kg	12.2	2.2	1	11/22/13 09:15	11/26/13 16:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.2	2.2	1	11/22/13 09:15	11/26/13 16:41	53-70-3	
Fluoranthene	ND	ug/kg	12.2	1.0	1	11/22/13 09:15	11/26/13 16:41	206-44-0	
Fluorene	ND	ug/kg	12.2	1.9	1	11/22/13 09:15	11/26/13 16:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.2	3.4	1	11/22/13 09:15	11/26/13 16:41	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.2	1.5	1	11/22/13 09:15	11/26/13 16:41	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.2	1.3	1	11/22/13 09:15	11/26/13 16:41	91-57-6	
Naphthalene	ND	ug/kg	12.2	2.8	1	11/22/13 09:15	11/26/13 16:41	91-20-3	
Phenanthrene	ND	ug/kg	12.2	1.8	1	11/22/13 09:15	11/26/13 16:41	85-01-8	
Pyrene	ND	ug/kg	12.2	2.2	1	11/22/13 09:15	11/26/13 16:41	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	48	%	10-128		1	11/22/13 09:15	11/26/13 16:41	4165-60-0	
2-Fluorobiphenyl (S)	50	%	10-110		1	11/22/13 09:15	11/26/13 16:41	321-60-8	
Terphenyl-d14 (S)	53	%	39-119		1	11/22/13 09:15	11/26/13 16:41	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**66.8J**	ug/kg	113	11.3	1		11/27/13 19:51	67-64-1	
Benzene	ND	ug/kg	5.7	1.8	1		11/27/13 19:51	71-43-2	
Bromochloromethane	ND	ug/kg	5.7	1.9	1		11/27/13 19:51	74-97-5	
Bromodichloromethane	ND	ug/kg	5.7	2.1	1		11/27/13 19:51	75-27-4	
Bromoform	ND	ug/kg	5.7	2.6	1		11/27/13 19:51	75-25-2	
Bromomethane	ND	ug/kg	11.3	2.8	1		11/27/13 19:51	74-83-9	
2-Butanone (MEK)	ND	ug/kg	113	3.3	1		11/27/13 19:51	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-15-11-12 **Lab ID: 92180392016** Collected: 11/19/13 13:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	11.3	3.4	1		11/27/13 19:51	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.7	2.9	1		11/27/13 19:51	56-23-5	
Chlorobenzene	ND	ug/kg	5.7	2.1	1		11/27/13 19:51	108-90-7	
Chloroethane	ND	ug/kg	11.3	2.7	1		11/27/13 19:51	75-00-3	
Chloroform	ND	ug/kg	5.7	1.8	1		11/27/13 19:51	67-66-3	
Chloromethane	ND	ug/kg	11.3	2.7	1		11/27/13 19:51	74-87-3	
Cyclohexane	ND	ug/kg	5.7	1.8	1		11/27/13 19:51	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.7	4.1	1		11/27/13 19:51	96-12-8	
Dibromochloromethane	ND	ug/kg	5.7	2.0	1		11/27/13 19:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.7	2.0	1		11/27/13 19:51	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.7	2.1	1		11/27/13 19:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.7	2.3	1		11/27/13 19:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.7	1.9	1		11/27/13 19:51	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.3	4.1	1		11/27/13 19:51	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.7	1.7	1		11/27/13 19:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.7	2.5	1		11/27/13 19:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.7	2.0	1		11/27/13 19:51	75-35-4	
cis-1,2-Dichloroethene	**19.1**	ug/kg	5.7	1.6	1		11/27/13 19:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.7	2.1	1		11/27/13 19:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.7	1.9	1		11/27/13 19:51	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.7	2.0	1		11/27/13 19:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.7	1.7	1		11/27/13 19:51	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	170	136	1		11/27/13 19:51	123-91-1	
Ethylbenzene	ND	ug/kg	5.7	2.0	1		11/27/13 19:51	100-41-4	
2-Hexanone	ND	ug/kg	56.6	4.4	1		11/27/13 19:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	2.1	1		11/27/13 19:51	98-82-8	
Methyl acetate	ND	ug/kg	11.3	1.6	1		11/27/13 19:51	79-20-9	
Methylcyclohexane	ND	ug/kg	11.3	1.7	1		11/27/13 19:51	108-87-2	
Methylene Chloride	ND	ug/kg	22.6	3.4	1		11/27/13 19:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	56.6	4.2	1		11/27/13 19:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.7	1.7	1		11/27/13 19:51	1634-04-4	
Styrene	ND	ug/kg	5.7	2.0	1		11/27/13 19:51	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	2.1	1		11/27/13 19:51	79-34-5	
Tetrachloroethene	ND	ug/kg	5.7	1.9	1		11/27/13 19:51	127-18-4	
Toluene	ND	ug/kg	5.7	2.0	1		11/27/13 19:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.7	2.5	1		11/27/13 19:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	1.8	1		11/27/13 19:51	120-82-1	
1,1,1-Trichloroethane	**2.5J**	ug/kg	5.7	2.0	1		11/27/13 19:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.7	2.4	1		11/27/13 19:51	79-00-5	
Trichloroethene	**127**	ug/kg	5.7	2.4	1		11/27/13 19:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.7	2.5	1		11/27/13 19:51	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.7	2.1	1		11/27/13 19:51	76-13-1	
Vinyl chloride	ND	ug/kg	11.3	2.0	1		11/27/13 19:51	75-01-4	
m&p-Xylene	ND	ug/kg	11.3	4.1	1		11/27/13 19:51	179601-23-1	
o-Xylene	ND	ug/kg	5.7	2.1	1		11/27/13 19:51	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-15-11-12 **Lab ID: 92180392016** Collected: 11/19/13 13:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		11/27/13 19:51	2037-26-5	
4-Bromofluorobenzene (S)	106	%	70-130		1		11/27/13 19:51	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-132		1		11/27/13 19:51	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.8**	%	0.10	0.10	1		12/02/13 16:46		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-14-3-4 **Lab ID: 92180392017** Collected: 11/19/13 14:05 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	413	213	1	11/22/13 10:50	11/25/13 21:45	98-86-2	
Atrazine	ND	ug/kg	825	163	1	11/22/13 10:50	11/25/13 21:45	1912-24-9	
Benzaldehyde	ND	ug/kg	825	413	1	11/22/13 10:50	11/25/13 21:45	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	413	130	1	11/22/13 10:50	11/25/13 21:45	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	413	75.0	1	11/22/13 10:50	11/25/13 21:45	101-55-3	
Butylbenzylphthalate	ND	ug/kg	413	87.5	1	11/22/13 10:50	11/25/13 21:45	85-68-7	
Caprolactam	ND	ug/kg	413	71.3	1	11/22/13 10:50	11/25/13 21:45	105-60-2	
Carbazole	ND	ug/kg	413	78.8	1	11/22/13 10:50	11/25/13 21:45	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	825	85.0	1	11/22/13 10:50	11/25/13 21:45	59-50-7	
4-Chloroaniline	ND	ug/kg	2060	115	1	11/22/13 10:50	11/25/13 21:45	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	413	96.3	1	11/22/13 10:50	11/25/13 21:45	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	413	105	1	11/22/13 10:50	11/25/13 21:45	111-44-4	
2-Chloronaphthalene	ND	ug/kg	413	81.3	1	11/22/13 10:50	11/25/13 21:45	91-58-7	
2-Chlorophenol	ND	ug/kg	413	113	1	11/22/13 10:50	11/25/13 21:45	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	413	85.0	1	11/22/13 10:50	11/25/13 21:45	7005-72-3	
Dibenzofuran	ND	ug/kg	413	67.5	1	11/22/13 10:50	11/25/13 21:45	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2060	90.0	1	11/22/13 10:50	11/25/13 21:45	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	413	90.0	1	11/22/13 10:50	11/25/13 21:45	120-83-2	
Diethylphthalate	ND	ug/kg	413	63.8	1	11/22/13 10:50	11/25/13 21:45	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	413	163	1	11/22/13 10:50	11/25/13 21:45	105-67-9	
Dimethylphthalate	ND	ug/kg	413	83.8	1	11/22/13 10:50	11/25/13 21:45	131-11-3	
Di-n-butylphthalate	ND	ug/kg	413	67.5	1	11/22/13 10:50	11/25/13 21:45	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	825	82.5	1	11/22/13 10:50	11/25/13 21:45	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2060	67.5	1	11/22/13 10:50	11/25/13 21:45	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	413	77.5	1	11/22/13 10:50	11/25/13 21:45	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	413	86.3	1	11/22/13 10:50	11/25/13 21:45	606-20-2	
Di-n-octylphthalate	ND	ug/kg	413	86.3	1	11/22/13 10:50	11/25/13 21:45	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	413	113	1	11/22/13 10:50	11/25/13 21:45	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	413	71.3	1	11/22/13 10:50	11/25/13 21:45	87-68-3	
Hexachlorobenzene	ND	ug/kg	413	52.5	1	11/22/13 10:50	11/25/13 21:45	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	413	76.3	1	11/22/13 10:50	11/25/13 21:45	77-47-4	
Hexachloroethane	ND	ug/kg	413	109	1	11/22/13 10:50	11/25/13 21:45	67-72-1	
Isophorone	ND	ug/kg	413	92.5	1	11/22/13 10:50	11/25/13 21:45	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	413	125	1	11/22/13 10:50	11/25/13 21:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	413	163	1	11/22/13 10:50	11/25/13 21:45		
2-Nitroaniline	ND	ug/kg	2060	128	1	11/22/13 10:50	11/25/13 21:45	88-74-4	
3-Nitroaniline	ND	ug/kg	2060	113	1	11/22/13 10:50	11/25/13 21:45	99-09-2	
4-Nitroaniline	ND	ug/kg	825	116	1	11/22/13 10:50	11/25/13 21:45	100-01-6	
Nitrobenzene	ND	ug/kg	413	113	1	11/22/13 10:50	11/25/13 21:45	98-95-3	
2-Nitrophenol	ND	ug/kg	413	100	1	11/22/13 10:50	11/25/13 21:45	88-75-5	
4-Nitrophenol	ND	ug/kg	2060	73.8	1	11/22/13 10:50	11/25/13 21:45	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	413	78.8	1	11/22/13 10:50	11/25/13 21:45	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	413	123	1	11/22/13 10:50	11/25/13 21:45	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	413	110	1	11/22/13 10:50	11/25/13 21:45	108-60-1	
Pentachlorophenol	ND	ug/kg	2060	75.0	1	11/22/13 10:50	11/25/13 21:45	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-14-3-4 **Lab ID: 92180392017** Collected: 11/19/13 14:05 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	413	124	1	11/22/13 10:50	11/25/13 21:45	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	413	150	1	11/22/13 10:50	11/25/13 21:45	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	413	163	1	11/22/13 10:50	11/25/13 21:45	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	413	128	1	11/22/13 10:50	11/25/13 21:45	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	413	91.3	1	11/22/13 10:50	11/25/13 21:45	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	66	%	30-110		1	11/22/13 10:50	11/25/13 21:45	321-60-8	
Terphenyl-d14 (S)	71	%	28-110		1	11/22/13 10:50	11/25/13 21:45	1718-51-0	
Phenol-d6 (S)	69	%	22-110		1	11/22/13 10:50	11/25/13 21:45	13127-88-3	
2-Fluorophenol (S)	65	%	13-110		1	11/22/13 10:50	11/25/13 21:45	367-12-4	
2,4,6-Tribromophenol (S)	76	%	27-110		1	11/22/13 10:50	11/25/13 21:45	118-79-6	
Nitrobenzene-d5 (S)	62	%	23-110		1	11/22/13 10:50	11/25/13 21:45	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	125	18.8	10	11/22/13 09:15	11/26/13 17:01	83-32-9	
Acenaphthylene	ND	ug/kg	125	16.3	10	11/22/13 09:15	11/26/13 17:01	208-96-8	
Anthracene	ND	ug/kg	125	17.5	10	11/22/13 09:15	11/26/13 17:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	125	8.9	10	11/22/13 09:15	11/26/13 17:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	125	13.8	10	11/22/13 09:15	11/26/13 17:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	125	8.4	10	11/22/13 09:15	11/26/13 17:01	205-99-2	
Benzo(g,h,i)perylene	**73.6J**	ug/kg	125	32.5	10	11/22/13 09:15	11/26/13 17:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	125	18.8	10	11/22/13 09:15	11/26/13 17:01	207-08-9	
Chrysene	ND	ug/kg	125	22.5	10	11/22/13 09:15	11/26/13 17:01	218-01-9	
Dibenz(a,h)anthracene	**74.1J**	ug/kg	125	22.5	10	11/22/13 09:15	11/26/13 17:01	53-70-3	
Fluoranthene	ND	ug/kg	125	10.4	10	11/22/13 09:15	11/26/13 17:01	206-44-0	
Fluorene	ND	ug/kg	125	20.0	10	11/22/13 09:15	11/26/13 17:01	86-73-7	
Indeno(1,2,3-cd)pyrene	**70.8J**	ug/kg	125	35.0	10	11/22/13 09:15	11/26/13 17:01	193-39-5	
1-Methylnaphthalene	ND	ug/kg	125	15.0	10	11/22/13 09:15	11/26/13 17:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	125	13.8	10	11/22/13 09:15	11/26/13 17:01	91-57-6	
Naphthalene	ND	ug/kg	125	28.8	10	11/22/13 09:15	11/26/13 17:01	91-20-3	
Phenanthrene	ND	ug/kg	125	18.8	10	11/22/13 09:15	11/26/13 17:01	85-01-8	
Pyrene	ND	ug/kg	125	22.5	10	11/22/13 09:15	11/26/13 17:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	0	%	10-128		10	11/22/13 09:15	11/26/13 17:01	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	10-110		10	11/22/13 09:15	11/26/13 17:01	321-60-8	
Terphenyl-d14 (S)	0	%	39-119		10	11/22/13 09:15	11/26/13 17:01	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**72.0J**	ug/kg	97.5	9.8	1		11/27/13 20:10	67-64-1	
Benzene	ND	ug/kg	4.9	1.6	1		11/27/13 20:10	71-43-2	
Bromochloromethane	ND	ug/kg	4.9	1.7	1		11/27/13 20:10	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1.9	1		11/27/13 20:10	75-27-4	
Bromoform	ND	ug/kg	4.9	2.2	1		11/27/13 20:10	75-25-2	
Bromomethane	ND	ug/kg	9.8	2.4	1		11/27/13 20:10	74-83-9	
2-Butanone (MEK)	ND	ug/kg	97.5	2.8	1		11/27/13 20:10	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-14-3-4 **Lab ID: 92180392017** Collected: 11/19/13 14:05 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	9.8	2.9	1		11/27/13 20:10	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	2.5	1		11/27/13 20:10	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1.9	1		11/27/13 20:10	108-90-7	
Chloroethane	ND	ug/kg	9.8	2.3	1		11/27/13 20:10	75-00-3	
Chloroform	ND	ug/kg	4.9	1.6	1		11/27/13 20:10	67-66-3	
Chloromethane	ND	ug/kg	9.8	2.3	1		11/27/13 20:10	74-87-3	
Cyclohexane	ND	ug/kg	4.9	1.6	1		11/27/13 20:10	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	3.5	1		11/27/13 20:10	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1.8	1		11/27/13 20:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1.8	1		11/27/13 20:10	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1.9	1		11/27/13 20:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	2.0	1		11/27/13 20:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1.7	1		11/27/13 20:10	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.8	3.5	1		11/27/13 20:10	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1.5	1		11/27/13 20:10	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	2.1	1		11/27/13 20:10	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1.8	1		11/27/13 20:10	75-35-4	
cis-1,2-Dichloroethene	**6.9**	ug/kg	4.9	1.4	1		11/27/13 20:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1.9	1		11/27/13 20:10	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		11/27/13 20:10	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1.8	1		11/27/13 20:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1.5	1		11/27/13 20:10	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	146	117	1		11/27/13 20:10	123-91-1	
Ethylbenzene	ND	ug/kg	4.9	1.8	1		11/27/13 20:10	100-41-4	
2-Hexanone	ND	ug/kg	48.8	3.8	1		11/27/13 20:10	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1.9	1		11/27/13 20:10	98-82-8	
Methyl acetate	ND	ug/kg	9.8	1.4	1		11/27/13 20:10	79-20-9	
Methylcyclohexane	ND	ug/kg	9.8	1.5	1		11/27/13 20:10	108-87-2	
Methylene Chloride	ND	ug/kg	19.5	2.9	1		11/27/13 20:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.8	3.6	1		11/27/13 20:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1.5	1		11/27/13 20:10	1634-04-4	
Styrene	ND	ug/kg	4.9	1.8	1		11/27/13 20:10	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1.9	1		11/27/13 20:10	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1.7	1		11/27/13 20:10	127-18-4	
Toluene	ND	ug/kg	4.9	1.8	1		11/27/13 20:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	2.1	1		11/27/13 20:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1.6	1		11/27/13 20:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1.8	1		11/27/13 20:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	2.0	1		11/27/13 20:10	79-00-5	
Trichloroethene	**52.0**	ug/kg	4.9	2.0	1		11/27/13 20:10	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	2.1	1		11/27/13 20:10	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.9	1.9	1		11/27/13 20:10	76-13-1	
Vinyl chloride	ND	ug/kg	9.8	1.8	1		11/27/13 20:10	75-01-4	
m&p-Xylene	ND	ug/kg	9.8	3.5	1		11/27/13 20:10	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1.9	1		11/27/13 20:10	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-14-3-4 **Lab ID: 92180392017** Collected: 11/19/13 14:05 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/27/13 20:10	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130		1		11/27/13 20:10	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-132		1		11/27/13 20:10	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.0**	%	0.10	0.10	1		12/02/13 16:46		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-14-7-8 **Lab ID: 92180392018** Collected: 11/19/13 14:20 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	379	195	1	11/22/13 10:50	11/25/13 22:13	98-86-2	
Atrazine	ND	ug/kg	758	149	1	11/22/13 10:50	11/25/13 22:13	1912-24-9	
Benzaldehyde	ND	ug/kg	758	379	1	11/22/13 10:50	11/25/13 22:13	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	379	119	1	11/22/13 10:50	11/25/13 22:13	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	379	68.9	1	11/22/13 10:50	11/25/13 22:13	101-55-3	
Butylbenzylphthalate	ND	ug/kg	379	80.3	1	11/22/13 10:50	11/25/13 22:13	85-68-7	
Caprolactam	ND	ug/kg	379	65.4	1	11/22/13 10:50	11/25/13 22:13	105-60-2	
Carbazole	ND	ug/kg	379	72.3	1	11/22/13 10:50	11/25/13 22:13	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	758	78.0	1	11/22/13 10:50	11/25/13 22:13	59-50-7	
4-Chloroaniline	ND	ug/kg	1890	106	1	11/22/13 10:50	11/25/13 22:13	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	379	88.4	1	11/22/13 10:50	11/25/13 22:13	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	379	96.4	1	11/22/13 10:50	11/25/13 22:13	111-44-4	
2-Chloronaphthalene	ND	ug/kg	379	74.6	1	11/22/13 10:50	11/25/13 22:13	91-58-7	
2-Chlorophenol	ND	ug/kg	379	103	1	11/22/13 10:50	11/25/13 22:13	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	379	78.0	1	11/22/13 10:50	11/25/13 22:13	7005-72-3	
Dibenzofuran	ND	ug/kg	379	62.0	1	11/22/13 10:50	11/25/13 22:13	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1890	82.6	1	11/22/13 10:50	11/25/13 22:13	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	379	82.6	1	11/22/13 10:50	11/25/13 22:13	120-83-2	
Diethylphthalate	ND	ug/kg	379	58.5	1	11/22/13 10:50	11/25/13 22:13	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	379	149	1	11/22/13 10:50	11/25/13 22:13	105-67-9	
Dimethylphthalate	ND	ug/kg	379	76.9	1	11/22/13 10:50	11/25/13 22:13	131-11-3	
Di-n-butylphthalate	ND	ug/kg	379	62.0	1	11/22/13 10:50	11/25/13 22:13	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	758	75.8	1	11/22/13 10:50	11/25/13 22:13	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1890	62.0	1	11/22/13 10:50	11/25/13 22:13	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	379	71.2	1	11/22/13 10:50	11/25/13 22:13	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	379	79.2	1	11/22/13 10:50	11/25/13 22:13	606-20-2	
Di-n-octylphthalate	ND	ug/kg	379	79.2	1	11/22/13 10:50	11/25/13 22:13	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	379	103	1	11/22/13 10:50	11/25/13 22:13	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	379	65.4	1	11/22/13 10:50	11/25/13 22:13	87-68-3	
Hexachlorobenzene	ND	ug/kg	379	48.2	1	11/22/13 10:50	11/25/13 22:13	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	379	70.0	1	11/22/13 10:50	11/25/13 22:13	77-47-4	
Hexachloroethane	ND	ug/kg	379	99.9	1	11/22/13 10:50	11/25/13 22:13	67-72-1	
Isophorone	ND	ug/kg	379	84.9	1	11/22/13 10:50	11/25/13 22:13	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	379	115	1	11/22/13 10:50	11/25/13 22:13	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	379	149	1	11/22/13 10:50	11/25/13 22:13		
2-Nitroaniline	ND	ug/kg	1890	117	1	11/22/13 10:50	11/25/13 22:13	88-74-4	
3-Nitroaniline	ND	ug/kg	1890	103	1	11/22/13 10:50	11/25/13 22:13	99-09-2	
4-Nitroaniline	ND	ug/kg	758	107	1	11/22/13 10:50	11/25/13 22:13	100-01-6	
Nitrobenzene	ND	ug/kg	379	103	1	11/22/13 10:50	11/25/13 22:13	98-95-3	
2-Nitrophenol	ND	ug/kg	379	91.8	1	11/22/13 10:50	11/25/13 22:13	88-75-5	
4-Nitrophenol	ND	ug/kg	1890	67.7	1	11/22/13 10:50	11/25/13 22:13	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	379	72.3	1	11/22/13 10:50	11/25/13 22:13	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	379	112	1	11/22/13 10:50	11/25/13 22:13	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	379	101	1	11/22/13 10:50	11/25/13 22:13	108-60-1	
Pentachlorophenol	ND	ug/kg	1890	68.9	1	11/22/13 10:50	11/25/13 22:13	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-14-7-8 **Lab ID: 92180392018** Collected: 11/19/13 14:20 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	379	114	1	11/22/13 10:50	11/25/13 22:13	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	379	138	1	11/22/13 10:50	11/25/13 22:13	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	379	149	1	11/22/13 10:50	11/25/13 22:13	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	379	117	1	11/22/13 10:50	11/25/13 22:13	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	379	83.8	1	11/22/13 10:50	11/25/13 22:13	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	33	%	30-110		1	11/22/13 10:50	11/25/13 22:13	321-60-8	
Terphenyl-d14 (S)	35	%	28-110		1	11/22/13 10:50	11/25/13 22:13	1718-51-0	
Phenol-d6 (S)	35	%	22-110		1	11/22/13 10:50	11/25/13 22:13	13127-88-3	
2-Fluorophenol (S)	32	%	13-110		1	11/22/13 10:50	11/25/13 22:13	367-12-4	
2,4,6-Tribromophenol (S)	34	%	27-110		1	11/22/13 10:50	11/25/13 22:13	118-79-6	
Nitrobenzene-d5 (S)	32	%	23-110		1	11/22/13 10:50	11/25/13 22:13	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.5	1.7	1	11/22/13 09:15	11/26/13 17:21	83-32-9	
Acenaphthylene	ND	ug/kg	11.5	1.5	1	11/22/13 09:15	11/26/13 17:21	208-96-8	
Anthracene	ND	ug/kg	11.5	1.6	1	11/22/13 09:15	11/26/13 17:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.5	0.81	1	11/22/13 09:15	11/26/13 17:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.5	1.3	1	11/22/13 09:15	11/26/13 17:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.5	0.77	1	11/22/13 09:15	11/26/13 17:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.5	3.0	1	11/22/13 09:15	11/26/13 17:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.5	1.7	1	11/22/13 09:15	11/26/13 17:21	207-08-9	
Chrysene	ND	ug/kg	11.5	2.1	1	11/22/13 09:15	11/26/13 17:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.5	2.1	1	11/22/13 09:15	11/26/13 17:21	53-70-3	
Fluoranthene	ND	ug/kg	11.5	0.95	1	11/22/13 09:15	11/26/13 17:21	206-44-0	
Fluorene	ND	ug/kg	11.5	1.8	1	11/22/13 09:15	11/26/13 17:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.5	3.2	1	11/22/13 09:15	11/26/13 17:21	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.5	1.4	1	11/22/13 09:15	11/26/13 17:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.5	1.3	1	11/22/13 09:15	11/26/13 17:21	91-57-6	
Naphthalene	ND	ug/kg	11.5	2.6	1	11/22/13 09:15	11/26/13 17:21	91-20-3	
Phenanthrene	ND	ug/kg	11.5	1.7	1	11/22/13 09:15	11/26/13 17:21	85-01-8	
Pyrene	ND	ug/kg	11.5	2.1	1	11/22/13 09:15	11/26/13 17:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	53	%	10-128		1	11/22/13 09:15	11/26/13 17:21	4165-60-0	
2-Fluorobiphenyl (S)	54	%	10-110		1	11/22/13 09:15	11/26/13 17:21	321-60-8	
Terphenyl-d14 (S)	67	%	39-119		1	11/22/13 09:15	11/26/13 17:21	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**30.5J**	ug/kg	105	10.5	1		11/27/13 20:30	67-64-1	
Benzene	ND	ug/kg	5.3	1.7	1		11/27/13 20:30	71-43-2	
Bromochloromethane	ND	ug/kg	5.3	1.8	1		11/27/13 20:30	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	2.0	1		11/27/13 20:30	75-27-4	
Bromoform	ND	ug/kg	5.3	2.4	1		11/27/13 20:30	75-25-2	
Bromomethane	ND	ug/kg	10.5	2.6	1		11/27/13 20:30	74-83-9	
2-Butanone (MEK)	ND	ug/kg	105	3.1	1		11/27/13 20:30	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-14-7-8 **Lab ID: 92180392018** Collected: 11/19/13 14:20 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.5	3.2	1		11/27/13 20:30	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	2.7	1		11/27/13 20:30	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	2.0	1		11/27/13 20:30	108-90-7	
Chloroethane	ND	ug/kg	10.5	2.5	1		11/27/13 20:30	75-00-3	
Chloroform	ND	ug/kg	5.3	1.7	1		11/27/13 20:30	67-66-3	
Chloromethane	ND	ug/kg	10.5	2.5	1		11/27/13 20:30	74-87-3	
Cyclohexane	ND	ug/kg	5.3	1.7	1		11/27/13 20:30	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	3.8	1		11/27/13 20:30	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1.9	1		11/27/13 20:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1.9	1		11/27/13 20:30	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.3	2.0	1		11/27/13 20:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	2.1	1		11/27/13 20:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1.8	1		11/27/13 20:30	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.5	3.8	1		11/27/13 20:30	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1.6	1		11/27/13 20:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	2.3	1		11/27/13 20:30	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1.9	1		11/27/13 20:30	75-35-4	
cis-1,2-Dichloroethene	**2.2J**	ug/kg	5.3	1.5	1		11/27/13 20:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	2.0	1		11/27/13 20:30	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1.8	1		11/27/13 20:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1.9	1		11/27/13 20:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1.6	1		11/27/13 20:30	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	158	126	1		11/27/13 20:30	123-91-1	
Ethylbenzene	ND	ug/kg	5.3	1.9	1		11/27/13 20:30	100-41-4	
2-Hexanone	ND	ug/kg	52.7	4.1	1		11/27/13 20:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	2.0	1		11/27/13 20:30	98-82-8	
Methyl acetate	ND	ug/kg	10.5	1.5	1		11/27/13 20:30	79-20-9	
Methylcyclohexane	ND	ug/kg	10.5	1.6	1		11/27/13 20:30	108-87-2	
Methylene Chloride	ND	ug/kg	21.1	3.2	1		11/27/13 20:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	52.7	3.9	1		11/27/13 20:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1.6	1		11/27/13 20:30	1634-04-4	
Styrene	ND	ug/kg	5.3	1.9	1		11/27/13 20:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	2.0	1		11/27/13 20:30	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1.8	1		11/27/13 20:30	127-18-4	
Toluene	ND	ug/kg	5.3	1.9	1		11/27/13 20:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	2.3	1		11/27/13 20:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1.7	1		11/27/13 20:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1.9	1		11/27/13 20:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	2.2	1		11/27/13 20:30	79-00-5	
Trichloroethene	**7.3**	ug/kg	5.3	2.2	1		11/27/13 20:30	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	2.3	1		11/27/13 20:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.3	2.0	1		11/27/13 20:30	76-13-1	
Vinyl chloride	ND	ug/kg	10.5	1.9	1		11/27/13 20:30	75-01-4	
m&p-Xylene	ND	ug/kg	10.5	3.8	1		11/27/13 20:30	179601-23-1	
o-Xylene	ND	ug/kg	5.3	2.0	1		11/27/13 20:30	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-14-7-8 **Lab ID: 92180392018** Collected: 11/19/13 14:20 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		11/27/13 20:30	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		1		11/27/13 20:30	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-132		1		11/27/13 20:30	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.9**	%	0.10	0.10	1		12/02/13 16:46		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-14-10-11 **Lab ID: 92180392019** Collected: 11/19/13 14:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	382	197	1	11/22/13 10:50	11/25/13 22:41	98-86-2	
Atrazine	ND	ug/kg	764	150	1	11/22/13 10:50	11/25/13 22:41	1912-24-9	
Benzaldehyde	ND	ug/kg	764	382	1	11/22/13 10:50	11/25/13 22:41	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	382	120	1	11/22/13 10:50	11/25/13 22:41	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	382	69.5	1	11/22/13 10:50	11/25/13 22:41	101-55-3	
Butylbenzylphthalate	ND	ug/kg	382	81.0	1	11/22/13 10:50	11/25/13 22:41	85-68-7	
Caprolactam	ND	ug/kg	382	66.0	1	11/22/13 10:50	11/25/13 22:41	105-60-2	
Carbazole	ND	ug/kg	382	72.9	1	11/22/13 10:50	11/25/13 22:41	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	764	78.7	1	11/22/13 10:50	11/25/13 22:41	59-50-7	
4-Chloroaniline	ND	ug/kg	1910	106	1	11/22/13 10:50	11/25/13 22:41	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	382	89.1	1	11/22/13 10:50	11/25/13 22:41	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	382	97.2	1	11/22/13 10:50	11/25/13 22:41	111-44-4	
2-Chloronaphthalene	ND	ug/kg	382	75.2	1	11/22/13 10:50	11/25/13 22:41	91-58-7	
2-Chlorophenol	ND	ug/kg	382	104	1	11/22/13 10:50	11/25/13 22:41	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	382	78.7	1	11/22/13 10:50	11/25/13 22:41	7005-72-3	
Dibenzofuran	ND	ug/kg	382	62.5	1	11/22/13 10:50	11/25/13 22:41	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1910	83.3	1	11/22/13 10:50	11/25/13 22:41	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	382	83.3	1	11/22/13 10:50	11/25/13 22:41	120-83-2	
Diethylphthalate	ND	ug/kg	382	59.0	1	11/22/13 10:50	11/25/13 22:41	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	382	150	1	11/22/13 10:50	11/25/13 22:41	105-67-9	
Dimethylphthalate	ND	ug/kg	382	77.6	1	11/22/13 10:50	11/25/13 22:41	131-11-3	
Di-n-butylphthalate	ND	ug/kg	382	62.5	1	11/22/13 10:50	11/25/13 22:41	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	764	76.4	1	11/22/13 10:50	11/25/13 22:41	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1910	62.5	1	11/22/13 10:50	11/25/13 22:41	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	382	71.8	1	11/22/13 10:50	11/25/13 22:41	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	382	79.9	1	11/22/13 10:50	11/25/13 22:41	606-20-2	
Di-n-octylphthalate	ND	ug/kg	382	79.9	1	11/22/13 10:50	11/25/13 22:41	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	382	104	1	11/22/13 10:50	11/25/13 22:41	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	382	66.0	1	11/22/13 10:50	11/25/13 22:41	87-68-3	
Hexachlorobenzene	ND	ug/kg	382	48.6	1	11/22/13 10:50	11/25/13 22:41	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	382	70.6	1	11/22/13 10:50	11/25/13 22:41	77-47-4	
Hexachloroethane	ND	ug/kg	382	101	1	11/22/13 10:50	11/25/13 22:41	67-72-1	
Isophorone	ND	ug/kg	382	85.7	1	11/22/13 10:50	11/25/13 22:41	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	382	116	1	11/22/13 10:50	11/25/13 22:41	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	382	150	1	11/22/13 10:50	11/25/13 22:41		
2-Nitroaniline	ND	ug/kg	1910	118	1	11/22/13 10:50	11/25/13 22:41	88-74-4	
3-Nitroaniline	ND	ug/kg	1910	104	1	11/22/13 10:50	11/25/13 22:41	99-09-2	
4-Nitroaniline	ND	ug/kg	764	108	1	11/22/13 10:50	11/25/13 22:41	100-01-6	
Nitrobenzene	ND	ug/kg	382	104	1	11/22/13 10:50	11/25/13 22:41	98-95-3	
2-Nitrophenol	ND	ug/kg	382	92.6	1	11/22/13 10:50	11/25/13 22:41	88-75-5	
4-Nitrophenol	ND	ug/kg	1910	68.3	1	11/22/13 10:50	11/25/13 22:41	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	382	72.9	1	11/22/13 10:50	11/25/13 22:41	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	382	113	1	11/22/13 10:50	11/25/13 22:41	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	382	102	1	11/22/13 10:50	11/25/13 22:41	108-60-1	
Pentachlorophenol	ND	ug/kg	1910	69.5	1	11/22/13 10:50	11/25/13 22:41	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-14-10-11 **Lab ID: 92180392019** Collected: 11/19/13 14:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	382	115	1	11/22/13 10:50	11/25/13 22:41	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	382	139	1	11/22/13 10:50	11/25/13 22:41	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	382	150	1	11/22/13 10:50	11/25/13 22:41	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	382	118	1	11/22/13 10:50	11/25/13 22:41	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	382	84.5	1	11/22/13 10:50	11/25/13 22:41	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	36	%	30-110		1	11/22/13 10:50	11/25/13 22:41	321-60-8	
Terphenyl-d14 (S)	39	%	28-110		1	11/22/13 10:50	11/25/13 22:41	1718-51-0	
Phenol-d6 (S)	36	%	22-110		1	11/22/13 10:50	11/25/13 22:41	13127-88-3	
2-Fluorophenol (S)	33	%	13-110		1	11/22/13 10:50	11/25/13 22:41	367-12-4	
2,4,6-Tribromophenol (S)	34	%	27-110		1	11/22/13 10:50	11/25/13 22:41	118-79-6	
Nitrobenzene-d5 (S)	36	%	23-110		1	11/22/13 10:50	11/25/13 22:41	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.6	1.7	1	11/22/13 09:15	11/26/13 17:41	83-32-9	
Acenaphthylene	ND	ug/kg	11.6	1.5	1	11/22/13 09:15	11/26/13 17:41	208-96-8	
Anthracene	ND	ug/kg	11.6	1.6	1	11/22/13 09:15	11/26/13 17:41	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.6	0.82	1	11/22/13 09:15	11/26/13 17:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.6	1.3	1	11/22/13 09:15	11/26/13 17:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.6	0.78	1	11/22/13 09:15	11/26/13 17:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.6	3.0	1	11/22/13 09:15	11/26/13 17:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.6	1.7	1	11/22/13 09:15	11/26/13 17:41	207-08-9	
Chrysene	ND	ug/kg	11.6	2.1	1	11/22/13 09:15	11/26/13 17:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.6	2.1	1	11/22/13 09:15	11/26/13 17:41	53-70-3	
Fluoranthene	ND	ug/kg	11.6	0.96	1	11/22/13 09:15	11/26/13 17:41	206-44-0	
Fluorene	ND	ug/kg	11.6	1.9	1	11/22/13 09:15	11/26/13 17:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.6	3.2	1	11/22/13 09:15	11/26/13 17:41	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.6	1.4	1	11/22/13 09:15	11/26/13 17:41	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.6	1.3	1	11/22/13 09:15	11/26/13 17:41	91-57-6	
Naphthalene	ND	ug/kg	11.6	2.7	1	11/22/13 09:15	11/26/13 17:41	91-20-3	
Phenanthrene	ND	ug/kg	11.6	1.7	1	11/22/13 09:15	11/26/13 17:41	85-01-8	
Pyrene	ND	ug/kg	11.6	2.1	1	11/22/13 09:15	11/26/13 17:41	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	45	%	10-128		1	11/22/13 09:15	11/26/13 17:41	4165-60-0	
2-Fluorobiphenyl (S)	47	%	10-110		1	11/22/13 09:15	11/26/13 17:41	321-60-8	
Terphenyl-d14 (S)	62	%	39-119		1	11/22/13 09:15	11/26/13 17:41	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**49.8J**	ug/kg	105	10.5	1		11/29/13 18:21	67-64-1	
Benzene	ND	ug/kg	5.3	1.7	1		11/29/13 18:21	71-43-2	
Bromochloromethane	ND	ug/kg	5.3	1.8	1		11/29/13 18:21	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	2.0	1		11/29/13 18:21	75-27-4	
Bromoform	ND	ug/kg	5.3	2.4	1		11/29/13 18:21	75-25-2	
Bromomethane	ND	ug/kg	10.5	2.6	1		11/29/13 18:21	74-83-9	
2-Butanone (MEK)	ND	ug/kg	105	3.1	1		11/29/13 18:21	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-14-10-11 **Lab ID: 92180392019** Collected: 11/19/13 14:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.5	3.2	1		11/29/13 18:21	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	2.7	1		11/29/13 18:21	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	2.0	1		11/29/13 18:21	108-90-7	
Chloroethane	ND	ug/kg	10.5	2.5	1		11/29/13 18:21	75-00-3	
Chloroform	ND	ug/kg	5.3	1.7	1		11/29/13 18:21	67-66-3	
Chloromethane	ND	ug/kg	10.5	2.5	1		11/29/13 18:21	74-87-3	
Cyclohexane	ND	ug/kg	5.3	1.7	1		11/29/13 18:21	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	3.8	1		11/29/13 18:21	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1.9	1		11/29/13 18:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1.9	1		11/29/13 18:21	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.3	2.0	1		11/29/13 18:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	2.1	1		11/29/13 18:21	541-73-1	
1,4-Dichlorobenzene	**2.1J**	ug/kg	5.3	1.8	1		11/29/13 18:21	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.5	3.8	1		11/29/13 18:21	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1.6	1		11/29/13 18:21	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	2.3	1		11/29/13 18:21	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1.9	1		11/29/13 18:21	75-35-4	
cis-1,2-Dichloroethene	**3.8J**	ug/kg	5.3	1.5	1		11/29/13 18:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	2.0	1		11/29/13 18:21	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1.8	1		11/29/13 18:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1.9	1		11/29/13 18:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1.6	1		11/29/13 18:21	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	158	126	1		11/29/13 18:21	123-91-1	
Ethylbenzene	ND	ug/kg	5.3	1.9	1		11/29/13 18:21	100-41-4	
2-Hexanone	ND	ug/kg	52.6	4.1	1		11/29/13 18:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	2.0	1		11/29/13 18:21	98-82-8	
Methyl acetate	ND	ug/kg	10.5	1.5	1		11/29/13 18:21	79-20-9	
Methylcyclohexane	ND	ug/kg	10.5	1.6	1		11/29/13 18:21	108-87-2	
Methylene Chloride	ND	ug/kg	21.0	3.2	1		11/29/13 18:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	52.6	3.9	1		11/29/13 18:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1.6	1		11/29/13 18:21	1634-04-4	
Styrene	ND	ug/kg	5.3	1.9	1		11/29/13 18:21	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	2.0	1		11/29/13 18:21	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1.8	1		11/29/13 18:21	127-18-4	
Toluene	ND	ug/kg	5.3	1.9	1		11/29/13 18:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	2.3	1		11/29/13 18:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1.7	1		11/29/13 18:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1.9	1		11/29/13 18:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	2.2	1		11/29/13 18:21	79-00-5	
Trichloroethene	**7.2**	ug/kg	5.3	2.2	1		11/29/13 18:21	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	2.3	1		11/29/13 18:21	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.3	2.0	1		11/29/13 18:21	76-13-1	
Vinyl chloride	ND	ug/kg	10.5	1.9	1		11/29/13 18:21	75-01-4	
m&p-Xylene	ND	ug/kg	10.5	3.8	1		11/29/13 18:21	179601-23-1	
o-Xylene	ND	ug/kg	5.3	2.0	1		11/29/13 18:21	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-14-10-11 **Lab ID: 92180392019** Collected: 11/19/13 14:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/29/13 18:21	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1		11/29/13 18:21	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-132		1		11/29/13 18:21	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.6**	%	0.10	0.10	1		12/02/13 16:46		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-11-3-5 **Lab ID: 92180392020** Collected: 11/19/13 15:40 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	380	196	1	11/22/13 10:50	11/25/13 23:09	98-86-2	
Atrazine	ND	ug/kg	760	150	1	11/22/13 10:50	11/25/13 23:09	1912-24-9	
Benzaldehyde	ND	ug/kg	760	380	1	11/22/13 10:50	11/25/13 23:09	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	380	120	1	11/22/13 10:50	11/25/13 23:09	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	380	69.1	1	11/22/13 10:50	11/25/13 23:09	101-55-3	
Butylbenzylphthalate	ND	ug/kg	380	80.6	1	11/22/13 10:50	11/25/13 23:09	85-68-7	
Caprolactam	ND	ug/kg	380	65.6	1	11/22/13 10:50	11/25/13 23:09	105-60-2	
Carbazole	ND	ug/kg	380	72.5	1	11/22/13 10:50	11/25/13 23:09	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	760	78.3	1	11/22/13 10:50	11/25/13 23:09	59-50-7	
4-Chloroaniline	ND	ug/kg	1900	106	1	11/22/13 10:50	11/25/13 23:09	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	380	88.6	1	11/22/13 10:50	11/25/13 23:09	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	380	96.7	1	11/22/13 10:50	11/25/13 23:09	111-44-4	
2-Chloronaphthalene	ND	ug/kg	380	74.8	1	11/22/13 10:50	11/25/13 23:09	91-58-7	
2-Chlorophenol	ND	ug/kg	380	104	1	11/22/13 10:50	11/25/13 23:09	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	380	78.3	1	11/22/13 10:50	11/25/13 23:09	7005-72-3	
Dibenzofuran	ND	ug/kg	380	62.2	1	11/22/13 10:50	11/25/13 23:09	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1900	82.9	1	11/22/13 10:50	11/25/13 23:09	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	380	82.9	1	11/22/13 10:50	11/25/13 23:09	120-83-2	
Diethylphthalate	ND	ug/kg	380	58.7	1	11/22/13 10:50	11/25/13 23:09	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	380	150	1	11/22/13 10:50	11/25/13 23:09	105-67-9	
Dimethylphthalate	ND	ug/kg	380	77.1	1	11/22/13 10:50	11/25/13 23:09	131-11-3	
Di-n-butylphthalate	ND	ug/kg	380	62.2	1	11/22/13 10:50	11/25/13 23:09	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	760	76.0	1	11/22/13 10:50	11/25/13 23:09	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1900	62.2	1	11/22/13 10:50	11/25/13 23:09	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	380	71.4	1	11/22/13 10:50	11/25/13 23:09	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	380	79.4	1	11/22/13 10:50	11/25/13 23:09	606-20-2	
Di-n-octylphthalate	ND	ug/kg	380	79.4	1	11/22/13 10:50	11/25/13 23:09	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	380	104	1	11/22/13 10:50	11/25/13 23:09	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	380	65.6	1	11/22/13 10:50	11/25/13 23:09	87-68-3	
Hexachlorobenzene	ND	ug/kg	380	48.3	1	11/22/13 10:50	11/25/13 23:09	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	380	70.2	1	11/22/13 10:50	11/25/13 23:09	77-47-4	
Hexachloroethane	ND	ug/kg	380	100	1	11/22/13 10:50	11/25/13 23:09	67-72-1	
Isophorone	ND	ug/kg	380	85.2	1	11/22/13 10:50	11/25/13 23:09	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	380	115	1	11/22/13 10:50	11/25/13 23:09	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	380	150	1	11/22/13 10:50	11/25/13 23:09		
2-Nitroaniline	ND	ug/kg	1900	117	1	11/22/13 10:50	11/25/13 23:09	88-74-4	
3-Nitroaniline	ND	ug/kg	1900	104	1	11/22/13 10:50	11/25/13 23:09	99-09-2	
4-Nitroaniline	ND	ug/kg	760	107	1	11/22/13 10:50	11/25/13 23:09	100-01-6	
Nitrobenzene	ND	ug/kg	380	104	1	11/22/13 10:50	11/25/13 23:09	98-95-3	
2-Nitrophenol	ND	ug/kg	380	92.1	1	11/22/13 10:50	11/25/13 23:09	88-75-5	
4-Nitrophenol	ND	ug/kg	1900	67.9	1	11/22/13 10:50	11/25/13 23:09	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	380	72.5	1	11/22/13 10:50	11/25/13 23:09	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	380	113	1	11/22/13 10:50	11/25/13 23:09	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	380	101	1	11/22/13 10:50	11/25/13 23:09	108-60-1	
Pentachlorophenol	ND	ug/kg	1900	69.1	1	11/22/13 10:50	11/25/13 23:09	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-11-3-5 **Lab ID: 92180392020** Collected: 11/19/13 15:40 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	380	114	1	11/22/13 10:50	11/25/13 23:09	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	380	138	1	11/22/13 10:50	11/25/13 23:09	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	380	150	1	11/22/13 10:50	11/25/13 23:09	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	380	117	1	11/22/13 10:50	11/25/13 23:09	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	380	84.0	1	11/22/13 10:50	11/25/13 23:09	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	46	%	30-110		1	11/22/13 10:50	11/25/13 23:09	321-60-8	
Terphenyl-d14 (S)	49	%	28-110		1	11/22/13 10:50	11/25/13 23:09	1718-51-0	
Phenol-d6 (S)	40	%	22-110		1	11/22/13 10:50	11/25/13 23:09	13127-88-3	
2-Fluorophenol (S)	33	%	13-110		1	11/22/13 10:50	11/25/13 23:09	367-12-4	
2,4,6-Tribromophenol (S)	32	%	27-110		1	11/22/13 10:50	11/25/13 23:09	118-79-6	
Nitrobenzene-d5 (S)	43	%	23-110		1	11/22/13 10:50	11/25/13 23:09	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.5	1.7	1	11/22/13 09:15	11/26/13 18:01	83-32-9	
Acenaphthylene	ND	ug/kg	11.5	1.5	1	11/22/13 09:15	11/26/13 18:01	208-96-8	
Anthracene	ND	ug/kg	11.5	1.6	1	11/22/13 09:15	11/26/13 18:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.5	0.82	1	11/22/13 09:15	11/26/13 18:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.5	1.3	1	11/22/13 09:15	11/26/13 18:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.5	0.77	1	11/22/13 09:15	11/26/13 18:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.5	3.0	1	11/22/13 09:15	11/26/13 18:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.5	1.7	1	11/22/13 09:15	11/26/13 18:01	207-08-9	
Chrysene	ND	ug/kg	11.5	2.1	1	11/22/13 09:15	11/26/13 18:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.5	2.1	1	11/22/13 09:15	11/26/13 18:01	53-70-3	
Fluoranthene	ND	ug/kg	11.5	0.96	1	11/22/13 09:15	11/26/13 18:01	206-44-0	
Fluorene	ND	ug/kg	11.5	1.8	1	11/22/13 09:15	11/26/13 18:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.5	3.2	1	11/22/13 09:15	11/26/13 18:01	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.5	1.4	1	11/22/13 09:15	11/26/13 18:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.5	1.3	1	11/22/13 09:15	11/26/13 18:01	91-57-6	
Naphthalene	ND	ug/kg	11.5	2.6	1	11/22/13 09:15	11/26/13 18:01	91-20-3	
Phenanthrene	ND	ug/kg	11.5	1.7	1	11/22/13 09:15	11/26/13 18:01	85-01-8	
Pyrene	ND	ug/kg	11.5	2.1	1	11/22/13 09:15	11/26/13 18:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	53	%	10-128		1	11/22/13 09:15	11/26/13 18:01	4165-60-0	
2-Fluorobiphenyl (S)	54	%	10-110		1	11/22/13 09:15	11/26/13 18:01	321-60-8	
Terphenyl-d14 (S)	61	%	39-119		1	11/22/13 09:15	11/26/13 18:01	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**23.2J**	ug/kg	116	11.6	1		11/27/13 20:50	67-64-1	
Benzene	ND	ug/kg	5.8	1.9	1		11/27/13 20:50	71-43-2	
Bromochloromethane	ND	ug/kg	5.8	2.0	1		11/27/13 20:50	74-97-5	
Bromodichloromethane	ND	ug/kg	5.8	2.2	1		11/27/13 20:50	75-27-4	
Bromoform	ND	ug/kg	5.8	2.7	1		11/27/13 20:50	75-25-2	
Bromomethane	ND	ug/kg	11.6	2.9	1		11/27/13 20:50	74-83-9	
2-Butanone (MEK)	ND	ug/kg	116	3.4	1		11/27/13 20:50	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-11-3-5 **Lab ID: 92180392020** Collected: 11/19/13 15:40 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	11.6	3.5	1		11/27/13 20:50	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.8	3.0	1		11/27/13 20:50	56-23-5	
Chlorobenzene	ND	ug/kg	5.8	2.2	1		11/27/13 20:50	108-90-7	
Chloroethane	ND	ug/kg	11.6	2.8	1		11/27/13 20:50	75-00-3	
Chloroform	ND	ug/kg	5.8	1.9	1		11/27/13 20:50	67-66-3	
Chloromethane	ND	ug/kg	11.6	2.8	1		11/27/13 20:50	74-87-3	
Cyclohexane	ND	ug/kg	5.8	1.9	1		11/27/13 20:50	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.8	4.2	1		11/27/13 20:50	96-12-8	
Dibromochloromethane	ND	ug/kg	5.8	2.1	1		11/27/13 20:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.8	2.1	1		11/27/13 20:50	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.8	2.2	1		11/27/13 20:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.8	2.3	1		11/27/13 20:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.8	2.0	1		11/27/13 20:50	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.6	4.2	1		11/27/13 20:50	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.8	1.7	1		11/27/13 20:50	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.8	2.6	1		11/27/13 20:50	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.8	2.1	1		11/27/13 20:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.8	1.6	1		11/27/13 20:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.8	2.2	1		11/27/13 20:50	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.8	2.0	1		11/27/13 20:50	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.8	2.1	1		11/27/13 20:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.8	1.7	1		11/27/13 20:50	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	174	140	1		11/27/13 20:50	123-91-1	
Ethylbenzene	ND	ug/kg	5.8	2.1	1		11/27/13 20:50	100-41-4	
2-Hexanone	ND	ug/kg	58.1	4.5	1		11/27/13 20:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.8	2.2	1		11/27/13 20:50	98-82-8	
Methyl acetate	ND	ug/kg	11.6	1.6	1		11/27/13 20:50	79-20-9	
Methylcyclohexane	ND	ug/kg	11.6	1.7	1		11/27/13 20:50	108-87-2	
Methylene Chloride	ND	ug/kg	23.3	3.5	1		11/27/13 20:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	58.1	4.3	1		11/27/13 20:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.8	1.7	1		11/27/13 20:50	1634-04-4	
Styrene	ND	ug/kg	5.8	2.1	1		11/27/13 20:50	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.8	2.2	1		11/27/13 20:50	79-34-5	
Tetrachloroethene	ND	ug/kg	5.8	2.0	1		11/27/13 20:50	127-18-4	
Toluene	ND	ug/kg	5.8	2.1	1		11/27/13 20:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.8	2.6	1		11/27/13 20:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.8	1.9	1		11/27/13 20:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.8	2.1	1		11/27/13 20:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.8	2.4	1		11/27/13 20:50	79-00-5	
Trichloroethene	**3.3J**	ug/kg	5.8	2.4	1		11/27/13 20:50	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.8	2.6	1		11/27/13 20:50	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.8	2.2	1		11/27/13 20:50	76-13-1	
Vinyl chloride	ND	ug/kg	11.6	2.1	1		11/27/13 20:50	75-01-4	
m&p-Xylene	ND	ug/kg	11.6	4.2	1		11/27/13 20:50	179601-23-1	
o-Xylene	ND	ug/kg	5.8	2.2	1		11/27/13 20:50	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-11-3-5 **Lab ID: 92180392020** Collected: 11/19/13 15:40 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/27/13 20:50	2037-26-5	
4-Bromofluorobenzene (S)	111	%	70-130		1		11/27/13 20:50	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-132		1		11/27/13 20:50	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.1**	%	0.10	0.10	1		12/02/13 16:47		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-11-7-8 **Lab ID: 92180392021** Collected: 11/19/13 16:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	390	201	1	11/22/13 10:50	11/25/13 23:37	98-86-2	
Atrazine	ND	ug/kg	779	153	1	11/22/13 10:50	11/25/13 23:37	1912-24-9	
Benzaldehyde	ND	ug/kg	779	390	1	11/22/13 10:50	11/25/13 23:37	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	390	123	1	11/22/13 10:50	11/25/13 23:37	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	390	70.8	1	11/22/13 10:50	11/25/13 23:37	101-55-3	
Butylbenzylphthalate	ND	ug/kg	390	82.6	1	11/22/13 10:50	11/25/13 23:37	85-68-7	
Caprolactam	ND	ug/kg	390	67.3	1	11/22/13 10:50	11/25/13 23:37	105-60-2	
Carbazole	ND	ug/kg	390	74.4	1	11/22/13 10:50	11/25/13 23:37	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	779	80.3	1	11/22/13 10:50	11/25/13 23:37	59-50-7	
4-Chloroaniline	ND	ug/kg	1950	109	1	11/22/13 10:50	11/25/13 23:37	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	390	90.9	1	11/22/13 10:50	11/25/13 23:37	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	390	99.2	1	11/22/13 10:50	11/25/13 23:37	111-44-4	
2-Chloronaphthalene	ND	ug/kg	390	76.7	1	11/22/13 10:50	11/25/13 23:37	91-58-7	
2-Chlorophenol	ND	ug/kg	390	106	1	11/22/13 10:50	11/25/13 23:37	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	390	80.3	1	11/22/13 10:50	11/25/13 23:37	7005-72-3	
Dibenzofuran	ND	ug/kg	390	63.7	1	11/22/13 10:50	11/25/13 23:37	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1950	85.0	1	11/22/13 10:50	11/25/13 23:37	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	390	85.0	1	11/22/13 10:50	11/25/13 23:37	120-83-2	
Diethylphthalate	ND	ug/kg	390	60.2	1	11/22/13 10:50	11/25/13 23:37	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	390	153	1	11/22/13 10:50	11/25/13 23:37	105-67-9	
Dimethylphthalate	ND	ug/kg	390	79.1	1	11/22/13 10:50	11/25/13 23:37	131-11-3	
Di-n-butylphthalate	ND	ug/kg	390	63.7	1	11/22/13 10:50	11/25/13 23:37	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	779	77.9	1	11/22/13 10:50	11/25/13 23:37	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1950	63.7	1	11/22/13 10:50	11/25/13 23:37	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	390	73.2	1	11/22/13 10:50	11/25/13 23:37	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	390	81.5	1	11/22/13 10:50	11/25/13 23:37	606-20-2	
Di-n-octylphthalate	ND	ug/kg	390	81.5	1	11/22/13 10:50	11/25/13 23:37	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	390	106	1	11/22/13 10:50	11/25/13 23:37	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	390	67.3	1	11/22/13 10:50	11/25/13 23:37	87-68-3	
Hexachlorobenzene	ND	ug/kg	390	49.6	1	11/22/13 10:50	11/25/13 23:37	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	390	72.0	1	11/22/13 10:50	11/25/13 23:37	77-47-4	
Hexachloroethane	ND	ug/kg	390	103	1	11/22/13 10:50	11/25/13 23:37	67-72-1	
Isophorone	ND	ug/kg	390	87.4	1	11/22/13 10:50	11/25/13 23:37	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	390	118	1	11/22/13 10:50	11/25/13 23:37	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	390	153	1	11/22/13 10:50	11/25/13 23:37		
2-Nitroaniline	ND	ug/kg	1950	120	1	11/22/13 10:50	11/25/13 23:37	88-74-4	
3-Nitroaniline	ND	ug/kg	1950	106	1	11/22/13 10:50	11/25/13 23:37	99-09-2	
4-Nitroaniline	ND	ug/kg	779	110	1	11/22/13 10:50	11/25/13 23:37	100-01-6	
Nitrobenzene	ND	ug/kg	390	106	1	11/22/13 10:50	11/25/13 23:37	98-95-3	
2-Nitrophenol	ND	ug/kg	390	94.4	1	11/22/13 10:50	11/25/13 23:37	88-75-5	
4-Nitrophenol	ND	ug/kg	1950	69.7	1	11/22/13 10:50	11/25/13 23:37	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	390	74.4	1	11/22/13 10:50	11/25/13 23:37	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	390	116	1	11/22/13 10:50	11/25/13 23:37	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	390	104	1	11/22/13 10:50	11/25/13 23:37	108-60-1	
Pentachlorophenol	ND	ug/kg	1950	70.8	1	11/22/13 10:50	11/25/13 23:37	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-11-7-8 **Lab ID: 92180392021** Collected: 11/19/13 16:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	390	117	1	11/22/13 10:50	11/25/13 23:37	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	390	142	1	11/22/13 10:50	11/25/13 23:37	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	390	153	1	11/22/13 10:50	11/25/13 23:37	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	390	120	1	11/22/13 10:50	11/25/13 23:37	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	390	86.2	1	11/22/13 10:50	11/25/13 23:37	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	29	%	30-110		1	11/22/13 10:50	11/25/13 23:37	321-60-8	S0
Terphenyl-d14 (S)	31	%	28-110		1	11/22/13 10:50	11/25/13 23:37	1718-51-0	
Phenol-d6 (S)	29	%	22-110		1	11/22/13 10:50	11/25/13 23:37	13127-88-3	
2-Fluorophenol (S)	28	%	13-110		1	11/22/13 10:50	11/25/13 23:37	367-12-4	
2,4,6-Tribromophenol (S)	27	%	27-110		1	11/22/13 10:50	11/25/13 23:37	118-79-6	
Nitrobenzene-d5 (S)	27	%	23-110		1	11/22/13 10:50	11/25/13 23:37	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.8	1.8	1	11/22/13 09:15	11/26/13 19:01	83-32-9	
Acenaphthylene	ND	ug/kg	11.8	1.5	1	11/22/13 09:15	11/26/13 19:01	208-96-8	
Anthracene	ND	ug/kg	11.8	1.7	1	11/22/13 09:15	11/26/13 19:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.8	0.84	1	11/22/13 09:15	11/26/13 19:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.8	1.3	1	11/22/13 09:15	11/26/13 19:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.8	0.79	1	11/22/13 09:15	11/26/13 19:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.8	3.1	1	11/22/13 09:15	11/26/13 19:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.8	1.8	1	11/22/13 09:15	11/26/13 19:01	207-08-9	
Chrysene	ND	ug/kg	11.8	2.1	1	11/22/13 09:15	11/26/13 19:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.8	2.1	1	11/22/13 09:15	11/26/13 19:01	53-70-3	
Fluoranthene	ND	ug/kg	11.8	0.98	1	11/22/13 09:15	11/26/13 19:01	206-44-0	
Fluorene	ND	ug/kg	11.8	1.9	1	11/22/13 09:15	11/26/13 19:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.8	3.3	1	11/22/13 09:15	11/26/13 19:01	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.8	1.4	1	11/22/13 09:15	11/26/13 19:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.8	1.3	1	11/22/13 09:15	11/26/13 19:01	91-57-6	
Naphthalene	ND	ug/kg	11.8	2.7	1	11/22/13 09:15	11/26/13 19:01	91-20-3	
Phenanthrene	ND	ug/kg	11.8	1.8	1	11/22/13 09:15	11/26/13 19:01	85-01-8	
Pyrene	ND	ug/kg	11.8	2.1	1	11/22/13 09:15	11/26/13 19:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	47	%	10-128		1	11/22/13 09:15	11/26/13 19:01	4165-60-0	
2-Fluorobiphenyl (S)	50	%	10-110		1	11/22/13 09:15	11/26/13 19:01	321-60-8	
Terphenyl-d14 (S)	58	%	39-119		1	11/22/13 09:15	11/26/13 19:01	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	113	11.3	1		11/29/13 18:40	67-64-1	
Benzene	ND	ug/kg	5.7	1.8	1		11/29/13 18:40	71-43-2	
Bromochloromethane	ND	ug/kg	5.7	1.9	1		11/29/13 18:40	74-97-5	
Bromodichloromethane	ND	ug/kg	5.7	2.2	1		11/29/13 18:40	75-27-4	
Bromoform	ND	ug/kg	5.7	2.6	1		11/29/13 18:40	75-25-2	
Bromomethane	ND	ug/kg	11.3	2.8	1		11/29/13 18:40	74-83-9	
2-Butanone (MEK)	ND	ug/kg	113	3.3	1		11/29/13 18:40	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-11-7-8 **Lab ID: 92180392021** Collected: 11/19/13 16:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	11.3	3.4	1		11/29/13 18:40	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.7	2.9	1		11/29/13 18:40	56-23-5	
Chlorobenzene	ND	ug/kg	5.7	2.2	1		11/29/13 18:40	108-90-7	
Chloroethane	ND	ug/kg	11.3	2.7	1		11/29/13 18:40	75-00-3	
Chloroform	ND	ug/kg	5.7	1.8	1		11/29/13 18:40	67-66-3	
Chloromethane	ND	ug/kg	11.3	2.7	1		11/29/13 18:40	74-87-3	
Cyclohexane	ND	ug/kg	5.7	1.8	1		11/29/13 18:40	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.7	4.1	1		11/29/13 18:40	96-12-8	
Dibromochloromethane	ND	ug/kg	5.7	2.0	1		11/29/13 18:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.7	2.0	1		11/29/13 18:40	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.7	2.2	1		11/29/13 18:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.7	2.3	1		11/29/13 18:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.7	1.9	1		11/29/13 18:40	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.3	4.1	1		11/29/13 18:40	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.7	1.7	1		11/29/13 18:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.7	2.5	1		11/29/13 18:40	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.7	2.0	1		11/29/13 18:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.7	1.6	1		11/29/13 18:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.7	2.2	1		11/29/13 18:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.7	1.9	1		11/29/13 18:40	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.7	2.0	1		11/29/13 18:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.7	1.7	1		11/29/13 18:40	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	170	136	1		11/29/13 18:40	123-91-1	
Ethylbenzene	ND	ug/kg	5.7	2.0	1		11/29/13 18:40	100-41-4	
2-Hexanone	ND	ug/kg	56.6	4.4	1		11/29/13 18:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	2.2	1		11/29/13 18:40	98-82-8	
Methyl acetate	ND	ug/kg	11.3	1.6	1		11/29/13 18:40	79-20-9	
Methylcyclohexane	ND	ug/kg	11.3	1.7	1		11/29/13 18:40	108-87-2	
Methylene Chloride	ND	ug/kg	22.7	3.4	1		11/29/13 18:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	56.6	4.2	1		11/29/13 18:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.7	1.7	1		11/29/13 18:40	1634-04-4	
Styrene	ND	ug/kg	5.7	2.0	1		11/29/13 18:40	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	2.2	1		11/29/13 18:40	79-34-5	
Tetrachloroethene	ND	ug/kg	5.7	1.9	1		11/29/13 18:40	127-18-4	
Toluene	ND	ug/kg	5.7	2.0	1		11/29/13 18:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.7	2.5	1		11/29/13 18:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	1.8	1		11/29/13 18:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.7	2.0	1		11/29/13 18:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.7	2.4	1		11/29/13 18:40	79-00-5	
Trichloroethene	**3.2J**	ug/kg	5.7	2.4	1		11/29/13 18:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.7	2.5	1		11/29/13 18:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.7	2.2	1		11/29/13 18:40	76-13-1	
Vinyl chloride	ND	ug/kg	11.3	2.0	1		11/29/13 18:40	75-01-4	
m&p-Xylene	ND	ug/kg	11.3	4.1	1		11/29/13 18:40	179601-23-1	
o-Xylene	ND	ug/kg	5.7	2.2	1		11/29/13 18:40	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-11-7-8 **Lab ID: 92180392021** Collected: 11/19/13 16:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		11/29/13 18:40	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1		11/29/13 18:40	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-132		1		11/29/13 18:40	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.3**	%	0.10	0.10	1		12/02/13 16:47		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-11-14-15 **Lab ID: 92180392022** Collected: 11/19/13 16:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	413	213	1	11/22/13 10:50	11/26/13 00:04	98-86-2	
Atrazine	ND	ug/kg	826	163	1	11/22/13 10:50	11/26/13 00:04	1912-24-9	
Benzaldehyde	ND	ug/kg	826	413	1	11/22/13 10:50	11/26/13 00:04	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	413	130	1	11/22/13 10:50	11/26/13 00:04	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	413	75.1	1	11/22/13 10:50	11/26/13 00:04	101-55-3	
Butylbenzylphthalate	ND	ug/kg	413	87.6	1	11/22/13 10:50	11/26/13 00:04	85-68-7	
Caprolactam	ND	ug/kg	413	71.3	1	11/22/13 10:50	11/26/13 00:04	105-60-2	
Carbazole	ND	ug/kg	413	78.8	1	11/22/13 10:50	11/26/13 00:04	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	826	85.1	1	11/22/13 10:50	11/26/13 00:04	59-50-7	
4-Chloroaniline	ND	ug/kg	2060	115	1	11/22/13 10:50	11/26/13 00:04	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	413	96.4	1	11/22/13 10:50	11/26/13 00:04	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	413	105	1	11/22/13 10:50	11/26/13 00:04	111-44-4	
2-Chloronaphthalene	ND	ug/kg	413	81.3	1	11/22/13 10:50	11/26/13 00:04	91-58-7	
2-Chlorophenol	ND	ug/kg	413	113	1	11/22/13 10:50	11/26/13 00:04	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	413	85.1	1	11/22/13 10:50	11/26/13 00:04	7005-72-3	
Dibenzofuran	ND	ug/kg	413	67.6	1	11/22/13 10:50	11/26/13 00:04	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2060	90.1	1	11/22/13 10:50	11/26/13 00:04	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	413	90.1	1	11/22/13 10:50	11/26/13 00:04	120-83-2	
Diethylphthalate	ND	ug/kg	413	63.8	1	11/22/13 10:50	11/26/13 00:04	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	413	163	1	11/22/13 10:50	11/26/13 00:04	105-67-9	
Dimethylphthalate	ND	ug/kg	413	83.8	1	11/22/13 10:50	11/26/13 00:04	131-11-3	
Di-n-butylphthalate	ND	ug/kg	413	67.6	1	11/22/13 10:50	11/26/13 00:04	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	826	82.6	1	11/22/13 10:50	11/26/13 00:04	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2060	67.6	1	11/22/13 10:50	11/26/13 00:04	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	413	77.6	1	11/22/13 10:50	11/26/13 00:04	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	413	86.3	1	11/22/13 10:50	11/26/13 00:04	606-20-2	
Di-n-octylphthalate	ND	ug/kg	413	86.3	1	11/22/13 10:50	11/26/13 00:04	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	413	113	1	11/22/13 10:50	11/26/13 00:04	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	413	71.3	1	11/22/13 10:50	11/26/13 00:04	87-68-3	
Hexachlorobenzene	ND	ug/kg	413	52.6	1	11/22/13 10:50	11/26/13 00:04	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	413	76.3	1	11/22/13 10:50	11/26/13 00:04	77-47-4	
Hexachloroethane	ND	ug/kg	413	109	1	11/22/13 10:50	11/26/13 00:04	67-72-1	
Isophorone	ND	ug/kg	413	92.6	1	11/22/13 10:50	11/26/13 00:04	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	413	125	1	11/22/13 10:50	11/26/13 00:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	413	163	1	11/22/13 10:50	11/26/13 00:04		
2-Nitroaniline	ND	ug/kg	2060	128	1	11/22/13 10:50	11/26/13 00:04	88-74-4	
3-Nitroaniline	ND	ug/kg	2060	113	1	11/22/13 10:50	11/26/13 00:04	99-09-2	
4-Nitroaniline	ND	ug/kg	826	116	1	11/22/13 10:50	11/26/13 00:04	100-01-6	
Nitrobenzene	ND	ug/kg	413	113	1	11/22/13 10:50	11/26/13 00:04	98-95-3	
2-Nitrophenol	ND	ug/kg	413	100	1	11/22/13 10:50	11/26/13 00:04	88-75-5	
4-Nitrophenol	ND	ug/kg	2060	73.8	1	11/22/13 10:50	11/26/13 00:04	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	413	78.8	1	11/22/13 10:50	11/26/13 00:04	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	413	123	1	11/22/13 10:50	11/26/13 00:04	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	413	110	1	11/22/13 10:50	11/26/13 00:04	108-60-1	
Pentachlorophenol	ND	ug/kg	2060	75.1	1	11/22/13 10:50	11/26/13 00:04	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-11-14-15 **Lab ID: 92180392022** Collected: 11/19/13 16:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	413	124	1	11/22/13 10:50	11/26/13 00:04	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	413	150	1	11/22/13 10:50	11/26/13 00:04	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	413	163	1	11/22/13 10:50	11/26/13 00:04	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	413	128	1	11/22/13 10:50	11/26/13 00:04	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	413	91.3	1	11/22/13 10:50	11/26/13 00:04	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	59	%	30-110		1	11/22/13 10:50	11/26/13 00:04	321-60-8	
Terphenyl-d14 (S)	66	%	28-110		1	11/22/13 10:50	11/26/13 00:04	1718-51-0	
Phenol-d6 (S)	61	%	22-110		1	11/22/13 10:50	11/26/13 00:04	13127-88-3	
2-Fluorophenol (S)	57	%	13-110		1	11/22/13 10:50	11/26/13 00:04	367-12-4	
2,4,6-Tribromophenol (S)	56	%	27-110		1	11/22/13 10:50	11/26/13 00:04	118-79-6	
Nitrobenzene-d5 (S)	60	%	23-110		1	11/22/13 10:50	11/26/13 00:04	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.5	1.9	1	11/22/13 09:15	11/26/13 19:21	83-32-9	
Acenaphthylene	ND	ug/kg	12.5	1.6	1	11/22/13 09:15	11/26/13 19:21	208-96-8	
Anthracene	ND	ug/kg	12.5	1.8	1	11/22/13 09:15	11/26/13 19:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.5	0.89	1	11/22/13 09:15	11/26/13 19:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.5	1.4	1	11/22/13 09:15	11/26/13 19:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.5	0.84	1	11/22/13 09:15	11/26/13 19:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.5	3.3	1	11/22/13 09:15	11/26/13 19:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.5	1.9	1	11/22/13 09:15	11/26/13 19:21	207-08-9	
Chrysene	ND	ug/kg	12.5	2.3	1	11/22/13 09:15	11/26/13 19:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.5	2.3	1	11/22/13 09:15	11/26/13 19:21	53-70-3	
Fluoranthene	ND	ug/kg	12.5	1.0	1	11/22/13 09:15	11/26/13 19:21	206-44-0	
Fluorene	ND	ug/kg	12.5	2.0	1	11/22/13 09:15	11/26/13 19:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.5	3.5	1	11/22/13 09:15	11/26/13 19:21	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.5	1.5	1	11/22/13 09:15	11/26/13 19:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.5	1.4	1	11/22/13 09:15	11/26/13 19:21	91-57-6	
Naphthalene	ND	ug/kg	12.5	2.9	1	11/22/13 09:15	11/26/13 19:21	91-20-3	
Phenanthrene	ND	ug/kg	12.5	1.9	1	11/22/13 09:15	11/26/13 19:21	85-01-8	
Pyrene	ND	ug/kg	12.5	2.3	1	11/22/13 09:15	11/26/13 19:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	54	%	10-128		1	11/22/13 09:15	11/26/13 19:21	4165-60-0	
2-Fluorobiphenyl (S)	55	%	10-110		1	11/22/13 09:15	11/26/13 19:21	321-60-8	
Terphenyl-d14 (S)	68	%	39-119		1	11/22/13 09:15	11/26/13 19:21	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**62.6J**	ug/kg	114	11.4	1		11/29/13 19:00	67-64-1	
Benzene	ND	ug/kg	5.7	1.8	1		11/29/13 19:00	71-43-2	
Bromochloromethane	ND	ug/kg	5.7	1.9	1		11/29/13 19:00	74-97-5	
Bromodichloromethane	ND	ug/kg	5.7	2.2	1		11/29/13 19:00	75-27-4	
Bromoform	ND	ug/kg	5.7	2.6	1		11/29/13 19:00	75-25-2	
Bromomethane	ND	ug/kg	11.4	2.9	1		11/29/13 19:00	74-83-9	
2-Butanone (MEK)	ND	ug/kg	114	3.3	1		11/29/13 19:00	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-11-14-15 **Lab ID: 92180392022** Collected: 11/19/13 16:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	11.4	3.4	1		11/29/13 19:00	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.7	3.0	1		11/29/13 19:00	56-23-5	
Chlorobenzene	ND	ug/kg	5.7	2.2	1		11/29/13 19:00	108-90-7	
Chloroethane	ND	ug/kg	11.4	2.7	1		11/29/13 19:00	75-00-3	
Chloroform	**2.3J**	ug/kg	5.7	1.8	1		11/29/13 19:00	67-66-3	
Chloromethane	ND	ug/kg	11.4	2.7	1		11/29/13 19:00	74-87-3	
Cyclohexane	ND	ug/kg	5.7	1.8	1		11/29/13 19:00	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.7	4.1	1		11/29/13 19:00	96-12-8	
Dibromochloromethane	ND	ug/kg	5.7	2.1	1		11/29/13 19:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.7	2.1	1		11/29/13 19:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.7	2.2	1		11/29/13 19:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.7	2.3	1		11/29/13 19:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.7	1.9	1		11/29/13 19:00	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.4	4.1	1		11/29/13 19:00	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.7	1.7	1		11/29/13 19:00	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.7	2.5	1		11/29/13 19:00	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.7	2.1	1		11/29/13 19:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.7	1.6	1		11/29/13 19:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.7	2.2	1		11/29/13 19:00	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.7	1.9	1		11/29/13 19:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.7	2.1	1		11/29/13 19:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.7	1.7	1		11/29/13 19:00	10061-02-6	
1,4-Dioxane (p-Dioxane)	**187**	ug/kg	171	137	1		11/29/13 19:00	123-91-1	
Ethylbenzene	ND	ug/kg	5.7	2.1	1		11/29/13 19:00	100-41-4	
2-Hexanone	ND	ug/kg	57.1	4.5	1		11/29/13 19:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	2.2	1		11/29/13 19:00	98-82-8	
Methyl acetate	ND	ug/kg	11.4	1.6	1		11/29/13 19:00	79-20-9	
Methylcyclohexane	ND	ug/kg	11.4	1.7	1		11/29/13 19:00	108-87-2	
Methylene Chloride	ND	ug/kg	22.8	3.4	1		11/29/13 19:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	57.1	4.2	1		11/29/13 19:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.7	1.7	1		11/29/13 19:00	1634-04-4	
Styrene	ND	ug/kg	5.7	2.1	1		11/29/13 19:00	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	2.2	1		11/29/13 19:00	79-34-5	
Tetrachloroethene	ND	ug/kg	5.7	1.9	1		11/29/13 19:00	127-18-4	
Toluene	ND	ug/kg	5.7	2.1	1		11/29/13 19:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.7	2.5	1		11/29/13 19:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	1.8	1		11/29/13 19:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.7	2.1	1		11/29/13 19:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.7	2.4	1		11/29/13 19:00	79-00-5	
Trichloroethene	**50.1**	ug/kg	5.7	2.4	1		11/29/13 19:00	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.7	2.5	1		11/29/13 19:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.7	2.2	1		11/29/13 19:00	76-13-1	
Vinyl chloride	ND	ug/kg	11.4	2.1	1		11/29/13 19:00	75-01-4	
m&p-Xylene	ND	ug/kg	11.4	4.1	1		11/29/13 19:00	179601-23-1	
o-Xylene	ND	ug/kg	5.7	2.2	1		11/29/13 19:00	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-11-14-15 **Lab ID: 92180392022** Collected: 11/19/13 16:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		11/29/13 19:00	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1		11/29/13 19:00	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-132		1		11/29/13 19:00	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.1**	%	0.10	0.10	1		12/02/13 16:47		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-20-3-4 **Lab ID: 92180392023** Collected: 11/20/13 08:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	19400	9990	10	11/22/13 13:15	11/26/13 14:27	98-86-2	
Atrazine	ND	ug/kg	38800	7640	10	11/22/13 13:15	11/26/13 14:27	1912-24-9	
Benzaldehyde	ND	ug/kg	38800	19400	10	11/22/13 13:15	11/26/13 14:27	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	19400	6110	10	11/22/13 13:15	11/26/13 14:27	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	19400	3530	10	11/22/13 13:15	11/26/13 14:27	101-55-3	
Butylbenzylphthalate	ND	ug/kg	19400	4110	10	11/22/13 13:15	11/26/13 14:27	85-68-7	
Caprolactam	ND	ug/kg	19400	3350	10	11/22/13 13:15	11/26/13 14:27	105-60-2	
Carbazole	ND	ug/kg	19400	3700	10	11/22/13 13:15	11/26/13 14:27	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	38800	4000	10	11/22/13 13:15	11/26/13 14:27	59-50-7	
4-Chloroaniline	ND	ug/kg	97000	5410	10	11/22/13 13:15	11/26/13 14:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	19400	4520	10	11/22/13 13:15	11/26/13 14:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	19400	4940	10	11/22/13 13:15	11/26/13 14:27	111-44-4	
2-Chloronaphthalene	ND	ug/kg	19400	3820	10	11/22/13 13:15	11/26/13 14:27	91-58-7	
2-Chlorophenol	ND	ug/kg	19400	5290	10	11/22/13 13:15	11/26/13 14:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	19400	4000	10	11/22/13 13:15	11/26/13 14:27	7005-72-3	
Dibenzofuran	ND	ug/kg	19400	3170	10	11/22/13 13:15	11/26/13 14:27	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	97000	4230	10	11/22/13 13:15	11/26/13 14:27	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	19400	4230	10	11/22/13 13:15	11/26/13 14:27	120-83-2	
Diethylphthalate	ND	ug/kg	19400	3000	10	11/22/13 13:15	11/26/13 14:27	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	19400	7640	10	11/22/13 13:15	11/26/13 14:27	105-67-9	
Dimethylphthalate	ND	ug/kg	19400	3940	10	11/22/13 13:15	11/26/13 14:27	131-11-3	
Di-n-butylphthalate	ND	ug/kg	19400	3170	10	11/22/13 13:15	11/26/13 14:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	38800	3880	10	11/22/13 13:15	11/26/13 14:27	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	97000	3170	10	11/22/13 13:15	11/26/13 14:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	19400	3640	10	11/22/13 13:15	11/26/13 14:27	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	19400	4050	10	11/22/13 13:15	11/26/13 14:27	606-20-2	
Di-n-octylphthalate	ND	ug/kg	19400	4050	10	11/22/13 13:15	11/26/13 14:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	19400	5290	10	11/22/13 13:15	11/26/13 14:27	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	19400	3350	10	11/22/13 13:15	11/26/13 14:27	87-68-3	
Hexachlorobenzene	ND	ug/kg	19400	2470	10	11/22/13 13:15	11/26/13 14:27	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	19400	3580	10	11/22/13 13:15	11/26/13 14:27	77-47-4	
Hexachloroethane	ND	ug/kg	19400	5110	10	11/22/13 13:15	11/26/13 14:27	67-72-1	
Isophorone	ND	ug/kg	19400	4350	10	11/22/13 13:15	11/26/13 14:27	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	19400	5880	10	11/22/13 13:15	11/26/13 14:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	19400	7640	10	11/22/13 13:15	11/26/13 14:27		
2-Nitroaniline	ND	ug/kg	97000	5990	10	11/22/13 13:15	11/26/13 14:27	88-74-4	
3-Nitroaniline	ND	ug/kg	97000	5290	10	11/22/13 13:15	11/26/13 14:27	99-09-2	
4-Nitroaniline	ND	ug/kg	38800	5460	10	11/22/13 13:15	11/26/13 14:27	100-01-6	
Nitrobenzene	ND	ug/kg	19400	5290	10	11/22/13 13:15	11/26/13 14:27	98-95-3	
2-Nitrophenol	ND	ug/kg	19400	4700	10	11/22/13 13:15	11/26/13 14:27	88-75-5	
4-Nitrophenol	ND	ug/kg	97000	3470	10	11/22/13 13:15	11/26/13 14:27	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	19400	3700	10	11/22/13 13:15	11/26/13 14:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	19400	5760	10	11/22/13 13:15	11/26/13 14:27	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	19400	5170	10	11/22/13 13:15	11/26/13 14:27	108-60-1	
Pentachlorophenol	ND	ug/kg	97000	3530	10	11/22/13 13:15	11/26/13 14:27	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-20-3-4 **Lab ID: 92180392023** Collected: 11/20/13 08:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	19400	5820	10	11/22/13 13:15	11/26/13 14:27	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	19400	7050	10	11/22/13 13:15	11/26/13 14:27	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	19400	7640	10	11/22/13 13:15	11/26/13 14:27	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	19400	5990	10	11/22/13 13:15	11/26/13 14:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	19400	4290	10	11/22/13 13:15	11/26/13 14:27	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	0	%	30-110		10	11/22/13 13:15	11/26/13 14:27	321-60-8	D3,P3, S4
Terphenyl-d14 (S)	0	%	28-110		10	11/22/13 13:15	11/26/13 14:27	1718-51-0	
Phenol-d6 (S)	0	%	22-110		10	11/22/13 13:15	11/26/13 14:27	13127-88-3	
2-Fluorophenol (S)	0	%	13-110		10	11/22/13 13:15	11/26/13 14:27	367-12-4	
2,4,6-Tribromophenol (S)	0	%	27-110		10	11/22/13 13:15	11/26/13 14:27	118-79-6	
Nitrobenzene-d5 (S)	0	%	23-110		10	11/22/13 13:15	11/26/13 14:27	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	588	88.1	10	11/22/13 10:30	11/27/13 11:41	83-32-9	
Acenaphthylene	ND	ug/kg	588	76.4	10	11/22/13 10:30	11/27/13 11:41	208-96-8	
Anthracene	ND	ug/kg	588	82.3	10	11/22/13 10:30	11/27/13 11:41	120-12-7	
Benzo(a)anthracene	ND	ug/kg	588	41.7	10	11/22/13 10:30	11/27/13 11:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	588	64.6	10	11/22/13 10:30	11/27/13 11:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	588	39.4	10	11/22/13 10:30	11/27/13 11:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	588	153	10	11/22/13 10:30	11/27/13 11:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	588	88.1	10	11/22/13 10:30	11/27/13 11:41	207-08-9	
Chrysene	ND	ug/kg	588	106	10	11/22/13 10:30	11/27/13 11:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	588	106	10	11/22/13 10:30	11/27/13 11:41	53-70-3	
Fluoranthene	ND	ug/kg	588	48.8	10	11/22/13 10:30	11/27/13 11:41	206-44-0	
Fluorene	ND	ug/kg	588	94.0	10	11/22/13 10:30	11/27/13 11:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	588	165	10	11/22/13 10:30	11/27/13 11:41	193-39-5	
1-Methylnaphthalene	ND	ug/kg	588	70.5	10	11/22/13 10:30	11/27/13 11:41	90-12-0	
2-Methylnaphthalene	ND	ug/kg	588	64.6	10	11/22/13 10:30	11/27/13 11:41	91-57-6	
Naphthalene	ND	ug/kg	588	135	10	11/22/13 10:30	11/27/13 11:41	91-20-3	
Phenanthrene	ND	ug/kg	588	88.1	10	11/22/13 10:30	11/27/13 11:41	85-01-8	
Pyrene	ND	ug/kg	588	106	10	11/22/13 10:30	11/27/13 11:41	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	0	%	10-128		10	11/22/13 10:30	11/27/13 11:41	4165-60-0	D3,P3, S4
2-Fluorobiphenyl (S)	0	%	10-110		10	11/22/13 10:30	11/27/13 11:41	321-60-8	
Terphenyl-d14 (S)	0	%	39-119		10	11/22/13 10:30	11/27/13 11:41	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**274**	ug/kg	98.8	9.9	1		11/29/13 19:19	67-64-1	A+
Benzene	ND	ug/kg	4.9	1.6	1		11/29/13 19:19	71-43-2	
Bromochloromethane	ND	ug/kg	4.9	1.7	1		11/29/13 19:19	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1.9	1		11/29/13 19:19	75-27-4	
Bromoform	ND	ug/kg	4.9	2.3	1		11/29/13 19:19	75-25-2	
Bromomethane	ND	ug/kg	9.9	2.5	1		11/29/13 19:19	74-83-9	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-20-3-4 **Lab ID: 92180392023** Collected: 11/20/13 08:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
2-Butanone (MEK)	**37.5J**	ug/kg	98.8	2.9	1		11/29/13 19:19	78-93-3	
Carbon disulfide	ND	ug/kg	9.9	3.0	1		11/29/13 19:19	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	2.6	1		11/29/13 19:19	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1.9	1		11/29/13 19:19	108-90-7	
Chloroethane	ND	ug/kg	9.9	2.4	1		11/29/13 19:19	75-00-3	
Chloroform	ND	ug/kg	4.9	1.6	1		11/29/13 19:19	67-66-3	
Chloromethane	ND	ug/kg	9.9	2.4	1		11/29/13 19:19	74-87-3	
Cyclohexane	ND	ug/kg	4.9	1.6	1		11/29/13 19:19	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	3.6	1		11/29/13 19:19	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1.8	1		11/29/13 19:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1.8	1		11/29/13 19:19	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1.9	1		11/29/13 19:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	2.0	1		11/29/13 19:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1.7	1		11/29/13 19:19	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.9	3.6	1		11/29/13 19:19	75-71-8	IO
1,1-Dichloroethane	ND	ug/kg	4.9	1.5	1		11/29/13 19:19	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	2.2	1		11/29/13 19:19	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1.8	1		11/29/13 19:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1.4	1		11/29/13 19:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1.9	1		11/29/13 19:19	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		11/29/13 19:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1.8	1		11/29/13 19:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1.5	1		11/29/13 19:19	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	148	119	1		11/29/13 19:19	123-91-1	
Ethylbenzene	ND	ug/kg	4.9	1.8	1		11/29/13 19:19	100-41-4	
2-Hexanone	ND	ug/kg	49.4	3.9	1		11/29/13 19:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1.9	1		11/29/13 19:19	98-82-8	
Methyl acetate	ND	ug/kg	9.9	1.4	1		11/29/13 19:19	79-20-9	
Methylcyclohexane	ND	ug/kg	9.9	1.5	1		11/29/13 19:19	108-87-2	
Methylene Chloride	ND	ug/kg	19.8	3.0	1		11/29/13 19:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	49.4	3.7	1		11/29/13 19:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1.5	1		11/29/13 19:19	1634-04-4	
Styrene	ND	ug/kg	4.9	1.8	1		11/29/13 19:19	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1.9	1		11/29/13 19:19	79-34-5	
Tetrachloroethene	**8.9**	ug/kg	4.9	1.7	1		11/29/13 19:19	127-18-4	
Toluene	ND	ug/kg	4.9	1.8	1		11/29/13 19:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	2.2	1		11/29/13 19:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1.6	1		11/29/13 19:19	120-82-1	
1,1,1-Trichloroethane	**193**	ug/kg	4.9	1.8	1		11/29/13 19:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	2.1	1		11/29/13 19:19	79-00-5	
Trichloroethene	**307**	ug/kg	110	46.3	25		12/01/13 12:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	2.2	1		11/29/13 19:19	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.9	1.9	1		11/29/13 19:19	76-13-1	
Vinyl chloride	ND	ug/kg	9.9	1.8	1		11/29/13 19:19	75-01-4	
m&p-Xylene	ND	ug/kg	9.9	3.6	1		11/29/13 19:19	179601-23-1	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-20-3-4 **Lab ID: 92180392023** Collected: 11/20/13 08:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
o-Xylene	ND	ug/kg	4.9	1.9	1		11/29/13 19:19	95-47-6	
Surrogates									
Toluene-d8 (S)	81	%	70-130		1		11/29/13 19:19	2037-26-5	
4-Bromofluorobenzene (S)	83	%	70-130		1		11/29/13 19:19	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-132		1		11/29/13 19:19	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.9**	%	0.10	0.10	1		12/02/13 16:47		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-20-9-10 **Lab ID: 92180392024** Collected: 11/20/13 08:20 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	366	189	1	11/22/13 13:15	11/26/13 14:55	98-86-2	
Atrazine	ND	ug/kg	733	144	1	11/22/13 13:15	11/26/13 14:55	1912-24-9	
Benzaldehyde	ND	ug/kg	733	366	1	11/22/13 13:15	11/26/13 14:55	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	366	116	1	11/22/13 13:15	11/26/13 14:55	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	366	66.6	1	11/22/13 13:15	11/26/13 14:55	101-55-3	
Butylbenzylphthalate	ND	ug/kg	366	77.7	1	11/22/13 13:15	11/26/13 14:55	85-68-7	
Caprolactam	ND	ug/kg	366	63.3	1	11/22/13 13:15	11/26/13 14:55	105-60-2	
Carbazole	ND	ug/kg	366	70.0	1	11/22/13 13:15	11/26/13 14:55	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	733	75.5	1	11/22/13 13:15	11/26/13 14:55	59-50-7	
4-Chloroaniline	ND	ug/kg	1830	102	1	11/22/13 13:15	11/26/13 14:55	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	366	85.5	1	11/22/13 13:15	11/26/13 14:55	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	366	93.3	1	11/22/13 13:15	11/26/13 14:55	111-44-4	
2-Chloronaphthalene	ND	ug/kg	366	72.2	1	11/22/13 13:15	11/26/13 14:55	91-58-7	
2-Chlorophenol	ND	ug/kg	366	100	1	11/22/13 13:15	11/26/13 14:55	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	366	75.5	1	11/22/13 13:15	11/26/13 14:55	7005-72-3	
Dibenzofuran	ND	ug/kg	366	60.0	1	11/22/13 13:15	11/26/13 14:55	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1830	80.0	1	11/22/13 13:15	11/26/13 14:55	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	366	80.0	1	11/22/13 13:15	11/26/13 14:55	120-83-2	
Diethylphthalate	ND	ug/kg	366	56.6	1	11/22/13 13:15	11/26/13 14:55	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	366	144	1	11/22/13 13:15	11/26/13 14:55	105-67-9	
Dimethylphthalate	ND	ug/kg	366	74.4	1	11/22/13 13:15	11/26/13 14:55	131-11-3	
Di-n-butylphthalate	ND	ug/kg	366	60.0	1	11/22/13 13:15	11/26/13 14:55	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	733	73.3	1	11/22/13 13:15	11/26/13 14:55	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1830	60.0	1	11/22/13 13:15	11/26/13 14:55	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	366	68.9	1	11/22/13 13:15	11/26/13 14:55	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	366	76.6	1	11/22/13 13:15	11/26/13 14:55	606-20-2	
Di-n-octylphthalate	ND	ug/kg	366	76.6	1	11/22/13 13:15	11/26/13 14:55	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	366	100	1	11/22/13 13:15	11/26/13 14:55	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	366	63.3	1	11/22/13 13:15	11/26/13 14:55	87-68-3	
Hexachlorobenzene	ND	ug/kg	366	46.6	1	11/22/13 13:15	11/26/13 14:55	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	366	67.7	1	11/22/13 13:15	11/26/13 14:55	77-47-4	
Hexachloroethane	ND	ug/kg	366	96.6	1	11/22/13 13:15	11/26/13 14:55	67-72-1	
Isophorone	ND	ug/kg	366	82.2	1	11/22/13 13:15	11/26/13 14:55	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	366	111	1	11/22/13 13:15	11/26/13 14:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	366	144	1	11/22/13 13:15	11/26/13 14:55		
2-Nitroaniline	ND	ug/kg	1830	113	1	11/22/13 13:15	11/26/13 14:55	88-74-4	
3-Nitroaniline	ND	ug/kg	1830	100	1	11/22/13 13:15	11/26/13 14:55	99-09-2	
4-Nitroaniline	ND	ug/kg	733	103	1	11/22/13 13:15	11/26/13 14:55	100-01-6	
Nitrobenzene	ND	ug/kg	366	100	1	11/22/13 13:15	11/26/13 14:55	98-95-3	
2-Nitrophenol	ND	ug/kg	366	88.8	1	11/22/13 13:15	11/26/13 14:55	88-75-5	
4-Nitrophenol	ND	ug/kg	1830	65.5	1	11/22/13 13:15	11/26/13 14:55	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	366	70.0	1	11/22/13 13:15	11/26/13 14:55	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	366	109	1	11/22/13 13:15	11/26/13 14:55	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	366	97.7	1	11/22/13 13:15	11/26/13 14:55	108-60-1	
Pentachlorophenol	ND	ug/kg	1830	66.6	1	11/22/13 13:15	11/26/13 14:55	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-20-9-10 **Lab ID: 92180392024** Collected: 11/20/13 08:20 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	366	110	1	11/22/13 13:15	11/26/13 14:55	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	366	133	1	11/22/13 13:15	11/26/13 14:55	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	366	144	1	11/22/13 13:15	11/26/13 14:55	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	366	113	1	11/22/13 13:15	11/26/13 14:55	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	366	81.1	1	11/22/13 13:15	11/26/13 14:55	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	56	%	30-110		1	11/22/13 13:15	11/26/13 14:55	321-60-8	
Terphenyl-d14 (S)	59	%	28-110		1	11/22/13 13:15	11/26/13 14:55	1718-51-0	
Phenol-d6 (S)	61	%	22-110		1	11/22/13 13:15	11/26/13 14:55	13127-88-3	
2-Fluorophenol (S)	57	%	13-110		1	11/22/13 13:15	11/26/13 14:55	367-12-4	
2,4,6-Tribromophenol (S)	59	%	27-110		1	11/22/13 13:15	11/26/13 14:55	118-79-6	
Nitrobenzene-d5 (S)	53	%	23-110		1	11/22/13 13:15	11/26/13 14:55	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.1	1.7	1	11/22/13 10:30	11/27/13 12:01	83-32-9	
Acenaphthylene	ND	ug/kg	11.1	1.4	1	11/22/13 10:30	11/27/13 12:01	208-96-8	
Anthracene	ND	ug/kg	11.1	1.6	1	11/22/13 10:30	11/27/13 12:01	120-12-7	
Benzo(a)anthracene	**1.8J**	ug/kg	11.1	0.79	1	11/22/13 10:30	11/27/13 12:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.1	1.2	1	11/22/13 10:30	11/27/13 12:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.1	0.74	1	11/22/13 10:30	11/27/13 12:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.1	2.9	1	11/22/13 10:30	11/27/13 12:01	191-24-2	
Benzo(k)fluoranthene	**2.1J**	ug/kg	11.1	1.7	1	11/22/13 10:30	11/27/13 12:01	207-08-9	
Chrysene	**2.4J**	ug/kg	11.1	2.0	1	11/22/13 10:30	11/27/13 12:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.1	2.0	1	11/22/13 10:30	11/27/13 12:01	53-70-3	
Fluoranthene	ND	ug/kg	11.1	0.92	1	11/22/13 10:30	11/27/13 12:01	206-44-0	
Fluorene	ND	ug/kg	11.1	1.8	1	11/22/13 10:30	11/27/13 12:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.1	3.1	1	11/22/13 10:30	11/27/13 12:01	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.1	1.3	1	11/22/13 10:30	11/27/13 12:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.1	1.2	1	11/22/13 10:30	11/27/13 12:01	91-57-6	
Naphthalene	ND	ug/kg	11.1	2.6	1	11/22/13 10:30	11/27/13 12:01	91-20-3	
Phenanthrene	ND	ug/kg	11.1	1.7	1	11/22/13 10:30	11/27/13 12:01	85-01-8	
Pyrene	ND	ug/kg	11.1	2.0	1	11/22/13 10:30	11/27/13 12:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	76	%	10-128		1	11/22/13 10:30	11/27/13 12:01	4165-60-0	
2-Fluorobiphenyl (S)	77	%	10-110		1	11/22/13 10:30	11/27/13 12:01	321-60-8	
Terphenyl-d14 (S)	85	%	39-119		1	11/22/13 10:30	11/27/13 12:01	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**77.3J**	ug/kg	86.9	8.7	1		11/29/13 19:39	67-64-1	
Benzene	ND	ug/kg	4.3	1.4	1		11/29/13 19:39	71-43-2	
Bromochloromethane	ND	ug/kg	4.3	1.5	1		11/29/13 19:39	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1.7	1		11/29/13 19:39	75-27-4	
Bromoform	ND	ug/kg	4.3	2.0	1		11/29/13 19:39	75-25-2	
Bromomethane	ND	ug/kg	8.7	2.2	1		11/29/13 19:39	74-83-9	
2-Butanone (MEK)	ND	ug/kg	86.9	2.5	1		11/29/13 19:39	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-20-9-10 **Lab ID: 92180392024** Collected: 11/20/13 08:20 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	8.7	2.6	1		11/29/13 19:39	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.3	2.3	1		11/29/13 19:39	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1.7	1		11/29/13 19:39	108-90-7	
Chloroethane	ND	ug/kg	8.7	2.1	1		11/29/13 19:39	75-00-3	
Chloroform	ND	ug/kg	4.3	1.4	1		11/29/13 19:39	67-66-3	
Chloromethane	ND	ug/kg	8.7	2.1	1		11/29/13 19:39	74-87-3	
Cyclohexane	ND	ug/kg	4.3	1.4	1		11/29/13 19:39	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.3	3.1	1		11/29/13 19:39	96-12-8	
Dibromochloromethane	ND	ug/kg	4.3	1.6	1		11/29/13 19:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1.6	1		11/29/13 19:39	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.3	1.7	1		11/29/13 19:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1.7	1		11/29/13 19:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1.5	1		11/29/13 19:39	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	8.7	3.1	1		11/29/13 19:39	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1.3	1		11/29/13 19:39	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1.9	1		11/29/13 19:39	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.3	1.6	1		11/29/13 19:39	75-35-4	
cis-1,2-Dichloroethene	**2.0J**	ug/kg	4.3	1.2	1		11/29/13 19:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1.7	1		11/29/13 19:39	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1.5	1		11/29/13 19:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1.6	1		11/29/13 19:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1.3	1		11/29/13 19:39	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	130	104	1		11/29/13 19:39	123-91-1	
Ethylbenzene	ND	ug/kg	4.3	1.6	1		11/29/13 19:39	100-41-4	
2-Hexanone	ND	ug/kg	43.4	3.4	1		11/29/13 19:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1.7	1		11/29/13 19:39	98-82-8	
Methyl acetate	ND	ug/kg	8.7	1.2	1		11/29/13 19:39	79-20-9	
Methylcyclohexane	ND	ug/kg	8.7	1.3	1		11/29/13 19:39	108-87-2	
Methylene Chloride	ND	ug/kg	17.4	2.6	1		11/29/13 19:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	43.4	3.2	1		11/29/13 19:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1.3	1		11/29/13 19:39	1634-04-4	
Styrene	ND	ug/kg	4.3	1.6	1		11/29/13 19:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1.7	1		11/29/13 19:39	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1.5	1		11/29/13 19:39	127-18-4	
Toluene	ND	ug/kg	4.3	1.6	1		11/29/13 19:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1.9	1		11/29/13 19:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1.4	1		11/29/13 19:39	120-82-1	
1,1,1-Trichloroethane	**2.4J**	ug/kg	4.3	1.6	1		11/29/13 19:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1.8	1		11/29/13 19:39	79-00-5	
Trichloroethene	**10.5**	ug/kg	4.3	1.8	1		11/29/13 19:39	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1.9	1		11/29/13 19:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.3	1.7	1		11/29/13 19:39	76-13-1	
Vinyl chloride	ND	ug/kg	8.7	1.6	1		11/29/13 19:39	75-01-4	
m&p-Xylene	ND	ug/kg	8.7	3.1	1		11/29/13 19:39	179601-23-1	
o-Xylene	ND	ug/kg	4.3	1.7	1		11/29/13 19:39	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-20-9-10 **Lab ID: 92180392024** Collected: 11/20/13 08:20 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/29/13 19:39	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		1		11/29/13 19:39	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70-132		1		11/29/13 19:39	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10**	%	0.10	0.10	1		12/02/13 16:47		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-20-14-15 **Lab ID: 92180392025** Collected: 11/20/13 08:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	390	201	1	11/22/13 13:15	11/26/13 15:23	98-86-2	
Atrazine	ND	ug/kg	780	154	1	11/22/13 13:15	11/26/13 15:23	1912-24-9	
Benzaldehyde	ND	ug/kg	780	390	1	11/22/13 13:15	11/26/13 15:23	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	390	123	1	11/22/13 13:15	11/26/13 15:23	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	390	70.9	1	11/22/13 13:15	11/26/13 15:23	101-55-3	
Butylbenzylphthalate	ND	ug/kg	390	82.7	1	11/22/13 13:15	11/26/13 15:23	85-68-7	
Caprolactam	ND	ug/kg	390	67.4	1	11/22/13 13:15	11/26/13 15:23	105-60-2	
Carbazole	ND	ug/kg	390	74.5	1	11/22/13 13:15	11/26/13 15:23	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	780	80.4	1	11/22/13 13:15	11/26/13 15:23	59-50-7	
4-Chloroaniline	ND	ug/kg	1950	109	1	11/22/13 13:15	11/26/13 15:23	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	390	91.0	1	11/22/13 13:15	11/26/13 15:23	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	390	99.3	1	11/22/13 13:15	11/26/13 15:23	111-44-4	
2-Chloronaphthalene	ND	ug/kg	390	76.8	1	11/22/13 13:15	11/26/13 15:23	91-58-7	
2-Chlorophenol	ND	ug/kg	390	106	1	11/22/13 13:15	11/26/13 15:23	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	390	80.4	1	11/22/13 13:15	11/26/13 15:23	7005-72-3	
Dibenzofuran	ND	ug/kg	390	63.8	1	11/22/13 13:15	11/26/13 15:23	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1950	85.1	1	11/22/13 13:15	11/26/13 15:23	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	390	85.1	1	11/22/13 13:15	11/26/13 15:23	120-83-2	
Diethylphthalate	ND	ug/kg	390	60.3	1	11/22/13 13:15	11/26/13 15:23	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	390	154	1	11/22/13 13:15	11/26/13 15:23	105-67-9	
Dimethylphthalate	ND	ug/kg	390	79.2	1	11/22/13 13:15	11/26/13 15:23	131-11-3	
Di-n-butylphthalate	ND	ug/kg	390	63.8	1	11/22/13 13:15	11/26/13 15:23	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	780	78.0	1	11/22/13 13:15	11/26/13 15:23	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1950	63.8	1	11/22/13 13:15	11/26/13 15:23	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	390	73.3	1	11/22/13 13:15	11/26/13 15:23	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	390	81.6	1	11/22/13 13:15	11/26/13 15:23	606-20-2	
Di-n-octylphthalate	ND	ug/kg	390	81.6	1	11/22/13 13:15	11/26/13 15:23	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	390	106	1	11/22/13 13:15	11/26/13 15:23	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	390	67.4	1	11/22/13 13:15	11/26/13 15:23	87-68-3	
Hexachlorobenzene	ND	ug/kg	390	49.6	1	11/22/13 13:15	11/26/13 15:23	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	390	72.1	1	11/22/13 13:15	11/26/13 15:23	77-47-4	
Hexachloroethane	ND	ug/kg	390	103	1	11/22/13 13:15	11/26/13 15:23	67-72-1	
Isophorone	ND	ug/kg	390	87.5	1	11/22/13 13:15	11/26/13 15:23	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	390	118	1	11/22/13 13:15	11/26/13 15:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	390	154	1	11/22/13 13:15	11/26/13 15:23		
2-Nitroaniline	ND	ug/kg	1950	121	1	11/22/13 13:15	11/26/13 15:23	88-74-4	
3-Nitroaniline	ND	ug/kg	1950	106	1	11/22/13 13:15	11/26/13 15:23	99-09-2	
4-Nitroaniline	ND	ug/kg	780	110	1	11/22/13 13:15	11/26/13 15:23	100-01-6	
Nitrobenzene	ND	ug/kg	390	106	1	11/22/13 13:15	11/26/13 15:23	98-95-3	
2-Nitrophenol	ND	ug/kg	390	94.6	1	11/22/13 13:15	11/26/13 15:23	88-75-5	
4-Nitrophenol	ND	ug/kg	1950	69.7	1	11/22/13 13:15	11/26/13 15:23	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	390	74.5	1	11/22/13 13:15	11/26/13 15:23	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	390	116	1	11/22/13 13:15	11/26/13 15:23	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	390	104	1	11/22/13 13:15	11/26/13 15:23	108-60-1	
Pentachlorophenol	ND	ug/kg	1950	70.9	1	11/22/13 13:15	11/26/13 15:23	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-20-14-15 **Lab ID: 92180392025** Collected: 11/20/13 08:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	390	117	1	11/22/13 13:15	11/26/13 15:23	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	390	142	1	11/22/13 13:15	11/26/13 15:23	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	390	154	1	11/22/13 13:15	11/26/13 15:23	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	390	121	1	11/22/13 13:15	11/26/13 15:23	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	390	86.3	1	11/22/13 13:15	11/26/13 15:23	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	42	%	30-110		1	11/22/13 13:15	11/26/13 15:23	321-60-8	
Terphenyl-d14 (S)	64	%	28-110		1	11/22/13 13:15	11/26/13 15:23	1718-51-0	
Phenol-d6 (S)	56	%	22-110		1	11/22/13 13:15	11/26/13 15:23	13127-88-3	
2-Fluorophenol (S)	49	%	13-110		1	11/22/13 13:15	11/26/13 15:23	367-12-4	
2,4,6-Tribromophenol (S)	79	%	27-110		1	11/22/13 13:15	11/26/13 15:23	118-79-6	
Nitrobenzene-d5 (S)	67	%	23-110		1	11/22/13 13:15	11/26/13 15:23	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	59.1	8.9	5	11/22/13 10:30	11/27/13 12:21	83-32-9	
Acenaphthylene	ND	ug/kg	59.1	7.7	5	11/22/13 10:30	11/27/13 12:21	208-96-8	
Anthracene	ND	ug/kg	59.1	8.3	5	11/22/13 10:30	11/27/13 12:21	120-12-7	
Benzo(a)anthracene	**8.7J**	ug/kg	59.1	4.2	5	11/22/13 10:30	11/27/13 12:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	59.1	6.5	5	11/22/13 10:30	11/27/13 12:21	50-32-8	
Benzo(b)fluoranthene	**7.3J**	ug/kg	59.1	4.0	5	11/22/13 10:30	11/27/13 12:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	59.1	15.4	5	11/22/13 10:30	11/27/13 12:21	191-24-2	
Benzo(k)fluoranthene	**11.2J**	ug/kg	59.1	8.9	5	11/22/13 10:30	11/27/13 12:21	207-08-9	
Chrysene	**11.1J**	ug/kg	59.1	10.6	5	11/22/13 10:30	11/27/13 12:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	59.1	10.6	5	11/22/13 10:30	11/27/13 12:21	53-70-3	
Fluoranthene	ND	ug/kg	59.1	4.9	5	11/22/13 10:30	11/27/13 12:21	206-44-0	
Fluorene	ND	ug/kg	59.1	9.5	5	11/22/13 10:30	11/27/13 12:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	59.1	16.5	5	11/22/13 10:30	11/27/13 12:21	193-39-5	
1-Methylnaphthalene	**53.6J**	ug/kg	59.1	7.1	5	11/22/13 10:30	11/27/13 12:21	90-12-0	
2-Methylnaphthalene	**46.2J**	ug/kg	59.1	6.5	5	11/22/13 10:30	11/27/13 12:21	91-57-6	
Naphthalene	ND	ug/kg	59.1	13.6	5	11/22/13 10:30	11/27/13 12:21	91-20-3	
Phenanthrene	**42.1J**	ug/kg	59.1	8.9	5	11/22/13 10:30	11/27/13 12:21	85-01-8	
Pyrene	**208**	ug/kg	59.1	10.6	5	11/22/13 10:30	11/27/13 12:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	280	%	10-128		5	11/22/13 10:30	11/27/13 12:21	4165-60-0	D3,S5
2-Fluorobiphenyl (S)	88	%	10-110		5	11/22/13 10:30	11/27/13 12:21	321-60-8	
Terphenyl-d14 (S)	92	%	39-119		5	11/22/13 10:30	11/27/13 12:21	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	2340	234	25		11/29/13 19:59	67-64-1	
Benzene	ND	ug/kg	117	37.5	25		11/29/13 19:59	71-43-2	
Bromochloromethane	ND	ug/kg	117	39.8	25		11/29/13 19:59	74-97-5	
Bromodichloromethane	ND	ug/kg	117	44.5	25		11/29/13 19:59	75-27-4	
Bromoform	ND	ug/kg	117	53.9	25		11/29/13 19:59	75-25-2	
Bromomethane	ND	ug/kg	234	58.5	25		11/29/13 19:59	74-83-9	
2-Butanone (MEK)	ND	ug/kg	2340	67.9	25		11/29/13 19:59	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-20-14-15 **Lab ID: 92180392025** Collected: 11/20/13 08:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	234	70.2	25		11/29/13 19:59	75-15-0	
Carbon tetrachloride	ND	ug/kg	117	60.9	25		11/29/13 19:59	56-23-5	
Chlorobenzene	ND	ug/kg	117	44.5	25		11/29/13 19:59	108-90-7	
Chloroethane	ND	ug/kg	234	56.2	25		11/29/13 19:59	75-00-3	
Chloroform	ND	ug/kg	117	37.5	25		11/29/13 19:59	67-66-3	
Chloromethane	ND	ug/kg	234	56.2	25		11/29/13 19:59	74-87-3	
Cyclohexane	ND	ug/kg	117	37.5	25		11/29/13 19:59	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	117	84.3	25		11/29/13 19:59	96-12-8	
Dibromochloromethane	ND	ug/kg	117	42.1	25		11/29/13 19:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	117	42.1	25		11/29/13 19:59	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	117	44.5	25		11/29/13 19:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	117	46.8	25		11/29/13 19:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	117	39.8	25		11/29/13 19:59	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	234	84.3	25		11/29/13 19:59	75-71-8	D3
1,1-Dichloroethane	ND	ug/kg	117	35.1	25		11/29/13 19:59	75-34-3	
1,2-Dichloroethane	ND	ug/kg	117	51.5	25		11/29/13 19:59	107-06-2	
1,1-Dichloroethene	ND	ug/kg	117	42.1	25		11/29/13 19:59	75-35-4	
cis-1,2-Dichloroethene	**35.8J**	ug/kg	117	32.8	25		11/29/13 19:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	117	44.5	25		11/29/13 19:59	156-60-5	
1,2-Dichloropropane	ND	ug/kg	117	39.8	25		11/29/13 19:59	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	117	42.1	25		11/29/13 19:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	117	35.1	25		11/29/13 19:59	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	3510	2810	25		11/29/13 19:59	123-91-1	
Ethylbenzene	ND	ug/kg	117	42.1	25		11/29/13 19:59	100-41-4	
2-Hexanone	ND	ug/kg	1170	91.3	25		11/29/13 19:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	117	44.5	25		11/29/13 19:59	98-82-8	
Methyl acetate	**491**	ug/kg	234	32.8	25		11/29/13 19:59	79-20-9	
Methylcyclohexane	ND	ug/kg	234	35.1	25		11/29/13 19:59	108-87-2	
Methylene Chloride	ND	ug/kg	468	70.2	25		11/29/13 19:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1170	86.6	25		11/29/13 19:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	117	35.1	25		11/29/13 19:59	1634-04-4	
Styrene	ND	ug/kg	117	42.1	25		11/29/13 19:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	117	44.5	25		11/29/13 19:59	79-34-5	
Tetrachloroethene	**153**	ug/kg	117	39.8	25		11/29/13 19:59	127-18-4	
Toluene	ND	ug/kg	117	42.1	25		11/29/13 19:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	117	51.5	25		11/29/13 19:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	117	37.5	25		11/29/13 19:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	117	42.1	25		11/29/13 19:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	117	49.2	25		11/29/13 19:59	79-00-5	
Trichloroethene	**712**	ug/kg	117	49.2	25		11/29/13 19:59	79-01-6	
Trichlorofluoromethane	ND	ug/kg	117	51.5	25		11/29/13 19:59	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	117	44.5	25		11/29/13 19:59	76-13-1	
Vinyl chloride	ND	ug/kg	234	42.1	25		11/29/13 19:59	75-01-4	
m&p-Xylene	ND	ug/kg	234	84.3	25		11/29/13 19:59	179601-23-1	
o-Xylene	ND	ug/kg	117	44.5	25		11/29/13 19:59	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-20-14-15 **Lab ID: 92180392025** Collected: 11/20/13 08:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	101	%	70-130		25		11/29/13 19:59	2037-26-5	
4-Bromofluorobenzene (S)	106	%	70-130		25		11/29/13 19:59	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-132		25		11/29/13 19:59	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.4**	%	0.10	0.10	1		12/02/13 16:47		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-22-4-5 **Lab ID: 92180392026** Collected: 11/20/13 08:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	385	198	1	11/27/13 10:35	11/27/13 14:01	98-86-2	
Atrazine	ND	ug/kg	770	152	1	11/27/13 10:35	11/27/13 14:01	1912-24-9	
Benzaldehyde	ND	ug/kg	770	385	1	11/27/13 10:35	11/27/13 14:01	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	385	121	1	11/27/13 10:35	11/27/13 14:01	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	385	70.0	1	11/27/13 10:35	11/27/13 14:01	101-55-3	
Butylbenzylphthalate	ND	ug/kg	385	81.6	1	11/27/13 10:35	11/27/13 14:01	85-68-7	
Caprolactam	ND	ug/kg	385	66.5	1	11/27/13 10:35	11/27/13 14:01	105-60-2	
Carbazole	ND	ug/kg	385	73.5	1	11/27/13 10:35	11/27/13 14:01	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	770	79.3	1	11/27/13 10:35	11/27/13 14:01	59-50-7	
4-Chloroaniline	ND	ug/kg	1920	107	1	11/27/13 10:35	11/27/13 14:01	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	385	89.8	1	11/27/13 10:35	11/27/13 14:01	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	385	98.0	1	11/27/13 10:35	11/27/13 14:01	111-44-4	
2-Chloronaphthalene	ND	ug/kg	385	75.8	1	11/27/13 10:35	11/27/13 14:01	91-58-7	
2-Chlorophenol	ND	ug/kg	385	105	1	11/27/13 10:35	11/27/13 14:01	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	385	79.3	1	11/27/13 10:35	11/27/13 14:01	7005-72-3	
Dibenzofuran	ND	ug/kg	385	63.0	1	11/27/13 10:35	11/27/13 14:01	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1920	84.0	1	11/27/13 10:35	11/27/13 14:01	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	385	84.0	1	11/27/13 10:35	11/27/13 14:01	120-83-2	
Diethylphthalate	ND	ug/kg	385	59.5	1	11/27/13 10:35	11/27/13 14:01	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	385	152	1	11/27/13 10:35	11/27/13 14:01	105-67-9	
Dimethylphthalate	ND	ug/kg	385	78.1	1	11/27/13 10:35	11/27/13 14:01	131-11-3	
Di-n-butylphthalate	ND	ug/kg	385	63.0	1	11/27/13 10:35	11/27/13 14:01	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	770	77.0	1	11/27/13 10:35	11/27/13 14:01	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1920	63.0	1	11/27/13 10:35	11/27/13 14:01	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	385	72.3	1	11/27/13 10:35	11/27/13 14:01	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	385	80.5	1	11/27/13 10:35	11/27/13 14:01	606-20-2	
Di-n-octylphthalate	ND	ug/kg	385	80.5	1	11/27/13 10:35	11/27/13 14:01	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	385	105	1	11/27/13 10:35	11/27/13 14:01	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	385	66.5	1	11/27/13 10:35	11/27/13 14:01	87-68-3	
Hexachlorobenzene	ND	ug/kg	385	49.0	1	11/27/13 10:35	11/27/13 14:01	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	385	71.2	1	11/27/13 10:35	11/27/13 14:01	77-47-4	
Hexachloroethane	ND	ug/kg	385	101	1	11/27/13 10:35	11/27/13 14:01	67-72-1	
Isophorone	ND	ug/kg	385	86.3	1	11/27/13 10:35	11/27/13 14:01	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	385	117	1	11/27/13 10:35	11/27/13 14:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	385	152	1	11/27/13 10:35	11/27/13 14:01		
2-Nitroaniline	ND	ug/kg	1920	119	1	11/27/13 10:35	11/27/13 14:01	88-74-4	
3-Nitroaniline	ND	ug/kg	1920	105	1	11/27/13 10:35	11/27/13 14:01	99-09-2	
4-Nitroaniline	ND	ug/kg	770	108	1	11/27/13 10:35	11/27/13 14:01	100-01-6	
Nitrobenzene	ND	ug/kg	385	105	1	11/27/13 10:35	11/27/13 14:01	98-95-3	
2-Nitrophenol	ND	ug/kg	385	93.3	1	11/27/13 10:35	11/27/13 14:01	88-75-5	
4-Nitrophenol	ND	ug/kg	1920	68.8	1	11/27/13 10:35	11/27/13 14:01	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	385	73.5	1	11/27/13 10:35	11/27/13 14:01	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	385	114	1	11/27/13 10:35	11/27/13 14:01	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	385	103	1	11/27/13 10:35	11/27/13 14:01	108-60-1	
Pentachlorophenol	ND	ug/kg	1920	70.0	1	11/27/13 10:35	11/27/13 14:01	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-22-4-5 **Lab ID: 92180392026** Collected: 11/20/13 08:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	385	115	1	11/27/13 10:35	11/27/13 14:01	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	385	140	1	11/27/13 10:35	11/27/13 14:01	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	385	152	1	11/27/13 10:35	11/27/13 14:01	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	385	119	1	11/27/13 10:35	11/27/13 14:01	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	385	85.1	1	11/27/13 10:35	11/27/13 14:01	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	37	%	30-110		1	11/27/13 10:35	11/27/13 14:01	321-60-8	
Terphenyl-d14 (S)	49	%	28-110		1	11/27/13 10:35	11/27/13 14:01	1718-51-0	
Phenol-d6 (S)	15	%	22-110		1	11/27/13 10:35	11/27/13 14:01	13127-88-3	S2
2-Fluorophenol (S)	15	%	13-110		1	11/27/13 10:35	11/27/13 14:01	367-12-4	
2,4,6-Tribromophenol (S)	14	%	27-110		1	11/27/13 10:35	11/27/13 14:01	118-79-6	S2
Nitrobenzene-d5 (S)	37	%	23-110		1	11/27/13 10:35	11/27/13 14:01	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.7	1.7	1	11/22/13 10:30	11/27/13 12:41	83-32-9	
Acenaphthylene	ND	ug/kg	11.7	1.5	1	11/22/13 10:30	11/27/13 12:41	208-96-8	
Anthracene	ND	ug/kg	11.7	1.6	1	11/22/13 10:30	11/27/13 12:41	120-12-7	
Benzo(a)anthracene	**1.3J**	ug/kg	11.7	0.83	1	11/22/13 10:30	11/27/13 12:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.7	1.3	1	11/22/13 10:30	11/27/13 12:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.7	0.78	1	11/22/13 10:30	11/27/13 12:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.7	3.0	1	11/22/13 10:30	11/27/13 12:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.7	1.7	1	11/22/13 10:30	11/27/13 12:41	207-08-9	
Chrysene	ND	ug/kg	11.7	2.1	1	11/22/13 10:30	11/27/13 12:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.7	2.1	1	11/22/13 10:30	11/27/13 12:41	53-70-3	
Fluoranthene	ND	ug/kg	11.7	0.97	1	11/22/13 10:30	11/27/13 12:41	206-44-0	
Fluorene	ND	ug/kg	11.7	1.9	1	11/22/13 10:30	11/27/13 12:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.7	3.3	1	11/22/13 10:30	11/27/13 12:41	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.7	1.4	1	11/22/13 10:30	11/27/13 12:41	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.7	1.3	1	11/22/13 10:30	11/27/13 12:41	91-57-6	
Naphthalene	ND	ug/kg	11.7	2.7	1	11/22/13 10:30	11/27/13 12:41	91-20-3	
Phenanthrene	ND	ug/kg	11.7	1.7	1	11/22/13 10:30	11/27/13 12:41	85-01-8	
Pyrene	ND	ug/kg	11.7	2.1	1	11/22/13 10:30	11/27/13 12:41	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	73	%	10-128		1	11/22/13 10:30	11/27/13 12:41	4165-60-0	
2-Fluorobiphenyl (S)	71	%	10-110		1	11/22/13 10:30	11/27/13 12:41	321-60-8	
Terphenyl-d14 (S)	94	%	39-119		1	11/22/13 10:30	11/27/13 12:41	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**19.3J**	ug/kg	104	10.4	1		11/29/13 20:18	67-64-1	
Benzene	ND	ug/kg	5.2	1.7	1		11/29/13 20:18	71-43-2	
Bromochloromethane	ND	ug/kg	5.2	1.8	1		11/29/13 20:18	74-97-5	
Bromodichloromethane	ND	ug/kg	5.2	2.0	1		11/29/13 20:18	75-27-4	
Bromoform	ND	ug/kg	5.2	2.4	1		11/29/13 20:18	75-25-2	
Bromomethane	ND	ug/kg	10.4	2.6	1		11/29/13 20:18	74-83-9	
2-Butanone (MEK)	ND	ug/kg	104	3.0	1		11/29/13 20:18	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-22-4-5 **Lab ID: 92180392026** Collected: 11/20/13 08:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.4	3.1	1		11/29/13 20:18	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.2	2.7	1		11/29/13 20:18	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	2.0	1		11/29/13 20:18	108-90-7	
Chloroethane	ND	ug/kg	10.4	2.5	1		11/29/13 20:18	75-00-3	
Chloroform	ND	ug/kg	5.2	1.7	1		11/29/13 20:18	67-66-3	
Chloromethane	ND	ug/kg	10.4	2.5	1		11/29/13 20:18	74-87-3	
Cyclohexane	ND	ug/kg	5.2	1.7	1		11/29/13 20:18	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.2	3.8	1		11/29/13 20:18	96-12-8	
Dibromochloromethane	ND	ug/kg	5.2	1.9	1		11/29/13 20:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1.9	1		11/29/13 20:18	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.2	2.0	1		11/29/13 20:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	2.1	1		11/29/13 20:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1.8	1		11/29/13 20:18	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.4	3.8	1		11/29/13 20:18	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1.6	1		11/29/13 20:18	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	2.3	1		11/29/13 20:18	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.2	1.9	1		11/29/13 20:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1.5	1		11/29/13 20:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	2.0	1		11/29/13 20:18	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1.8	1		11/29/13 20:18	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1.9	1		11/29/13 20:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1.6	1		11/29/13 20:18	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	156	125	1		11/29/13 20:18	123-91-1	
Ethylbenzene	ND	ug/kg	5.2	1.9	1		11/29/13 20:18	100-41-4	
2-Hexanone	ND	ug/kg	52.2	4.1	1		11/29/13 20:18	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	2.0	1		11/29/13 20:18	98-82-8	
Methyl acetate	ND	ug/kg	10.4	1.5	1		11/29/13 20:18	79-20-9	
Methylcyclohexane	ND	ug/kg	10.4	1.6	1		11/29/13 20:18	108-87-2	
Methylene Chloride	ND	ug/kg	20.9	3.1	1		11/29/13 20:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	52.2	3.9	1		11/29/13 20:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1.6	1		11/29/13 20:18	1634-04-4	
Styrene	ND	ug/kg	5.2	1.9	1		11/29/13 20:18	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	2.0	1		11/29/13 20:18	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1.8	1		11/29/13 20:18	127-18-4	
Toluene	ND	ug/kg	5.2	1.9	1		11/29/13 20:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	2.3	1		11/29/13 20:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1.7	1		11/29/13 20:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1.9	1		11/29/13 20:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	2.2	1		11/29/13 20:18	79-00-5	
Trichloroethene	ND	ug/kg	5.2	2.2	1		11/29/13 20:18	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	2.3	1		11/29/13 20:18	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.2	2.0	1		11/29/13 20:18	76-13-1	
Vinyl chloride	ND	ug/kg	10.4	1.9	1		11/29/13 20:18	75-01-4	
m&p-Xylene	ND	ug/kg	10.4	3.8	1		11/29/13 20:18	179601-23-1	
o-Xylene	ND	ug/kg	5.2	2.0	1		11/29/13 20:18	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-22-4-5 **Lab ID: 92180392026** Collected: 11/20/13 08:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		11/29/13 20:18	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		11/29/13 20:18	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-132		1		11/29/13 20:18	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.3**	%	0.10	0.10	1		12/02/13 16:47		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-22-9-10 **Lab ID: 92180392027** Collected: 11/20/13 09:05 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	395	203	1	11/22/13 13:15	11/26/13 18:08	98-86-2	
Atrazine	ND	ug/kg	789	155	1	11/22/13 13:15	11/26/13 18:08	1912-24-9	
Benzaldehyde	ND	ug/kg	789	395	1	11/22/13 13:15	11/26/13 18:08	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	395	124	1	11/22/13 13:15	11/26/13 18:08	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	395	71.7	1	11/22/13 13:15	11/26/13 18:08	101-55-3	
Butylbenzylphthalate	ND	ug/kg	395	83.7	1	11/22/13 13:15	11/26/13 18:08	85-68-7	
Caprolactam	ND	ug/kg	395	68.2	1	11/22/13 13:15	11/26/13 18:08	105-60-2	
Carbazole	ND	ug/kg	395	75.3	1	11/22/13 13:15	11/26/13 18:08	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	789	81.3	1	11/22/13 13:15	11/26/13 18:08	59-50-7	
4-Chloroaniline	ND	ug/kg	1970	110	1	11/22/13 13:15	11/26/13 18:08	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	395	92.1	1	11/22/13 13:15	11/26/13 18:08	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	395	100	1	11/22/13 13:15	11/26/13 18:08	111-44-4	
2-Chloronaphthalene	ND	ug/kg	395	77.7	1	11/22/13 13:15	11/26/13 18:08	91-58-7	
2-Chlorophenol	ND	ug/kg	395	108	1	11/22/13 13:15	11/26/13 18:08	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	395	81.3	1	11/22/13 13:15	11/26/13 18:08	7005-72-3	
Dibenzofuran	ND	ug/kg	395	64.6	1	11/22/13 13:15	11/26/13 18:08	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1970	86.1	1	11/22/13 13:15	11/26/13 18:08	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	395	86.1	1	11/22/13 13:15	11/26/13 18:08	120-83-2	
Diethylphthalate	ND	ug/kg	395	61.0	1	11/22/13 13:15	11/26/13 18:08	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	395	155	1	11/22/13 13:15	11/26/13 18:08	105-67-9	
Dimethylphthalate	ND	ug/kg	395	80.1	1	11/22/13 13:15	11/26/13 18:08	131-11-3	
Di-n-butylphthalate	ND	ug/kg	395	64.6	1	11/22/13 13:15	11/26/13 18:08	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	789	78.9	1	11/22/13 13:15	11/26/13 18:08	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1970	64.6	1	11/22/13 13:15	11/26/13 18:08	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	395	74.1	1	11/22/13 13:15	11/26/13 18:08	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	395	82.5	1	11/22/13 13:15	11/26/13 18:08	606-20-2	
Di-n-octylphthalate	ND	ug/kg	395	82.5	1	11/22/13 13:15	11/26/13 18:08	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	395	108	1	11/22/13 13:15	11/26/13 18:08	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	395	68.2	1	11/22/13 13:15	11/26/13 18:08	87-68-3	
Hexachlorobenzene	ND	ug/kg	395	50.2	1	11/22/13 13:15	11/26/13 18:08	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	395	72.9	1	11/22/13 13:15	11/26/13 18:08	77-47-4	
Hexachloroethane	ND	ug/kg	395	104	1	11/22/13 13:15	11/26/13 18:08	67-72-1	
Isophorone	ND	ug/kg	395	88.5	1	11/22/13 13:15	11/26/13 18:08	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	395	120	1	11/22/13 13:15	11/26/13 18:08	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	395	155	1	11/22/13 13:15	11/26/13 18:08		
2-Nitroaniline	ND	ug/kg	1970	122	1	11/22/13 13:15	11/26/13 18:08	88-74-4	
3-Nitroaniline	ND	ug/kg	1970	108	1	11/22/13 13:15	11/26/13 18:08	99-09-2	
4-Nitroaniline	ND	ug/kg	789	111	1	11/22/13 13:15	11/26/13 18:08	100-01-6	
Nitrobenzene	ND	ug/kg	395	108	1	11/22/13 13:15	11/26/13 18:08	98-95-3	
2-Nitrophenol	ND	ug/kg	395	95.7	1	11/22/13 13:15	11/26/13 18:08	88-75-5	
4-Nitrophenol	ND	ug/kg	1970	70.5	1	11/22/13 13:15	11/26/13 18:08	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	395	75.3	1	11/22/13 13:15	11/26/13 18:08	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	395	117	1	11/22/13 13:15	11/26/13 18:08	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	395	105	1	11/22/13 13:15	11/26/13 18:08	108-60-1	
Pentachlorophenol	ND	ug/kg	1970	71.7	1	11/22/13 13:15	11/26/13 18:08	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-22-9-10 **Lab ID: 92180392027** Collected: 11/20/13 09:05 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	395	118	1	11/22/13 13:15	11/26/13 18:08	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	395	143	1	11/22/13 13:15	11/26/13 18:08	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	395	155	1	11/22/13 13:15	11/26/13 18:08	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	395	122	1	11/22/13 13:15	11/26/13 18:08	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	395	87.3	1	11/22/13 13:15	11/26/13 18:08	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	53	%	30-110		1	11/22/13 13:15	11/26/13 18:08	321-60-8	
Terphenyl-d14 (S)	55	%	28-110		1	11/22/13 13:15	11/26/13 18:08	1718-51-0	
Phenol-d6 (S)	55	%	22-110		1	11/22/13 13:15	11/26/13 18:08	13127-88-3	
2-Fluorophenol (S)	55	%	13-110		1	11/22/13 13:15	11/26/13 18:08	367-12-4	
2,4,6-Tribromophenol (S)	53	%	27-110		1	11/22/13 13:15	11/26/13 18:08	118-79-6	
Nitrobenzene-d5 (S)	53	%	23-110		1	11/22/13 13:15	11/26/13 18:08	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 13:01	83-32-9	
Acenaphthylene	ND	ug/kg	12.0	1.6	1	11/22/13 10:30	11/27/13 13:01	208-96-8	
Anthracene	ND	ug/kg	12.0	1.7	1	11/22/13 10:30	11/27/13 13:01	120-12-7	
Benzo(a)anthracene	**0.97J**	ug/kg	12.0	0.85	1	11/22/13 10:30	11/27/13 13:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.0	1.3	1	11/22/13 10:30	11/27/13 13:01	50-32-8	
Benzo(b)fluoranthene	**1.3J**	ug/kg	12.0	0.80	1	11/22/13 10:30	11/27/13 13:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.0	3.1	1	11/22/13 10:30	11/27/13 13:01	191-24-2	
Benzo(k)fluoranthene	**2.2J**	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 13:01	207-08-9	
Chrysene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 13:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 13:01	53-70-3	
Fluoranthene	ND	ug/kg	12.0	0.99	1	11/22/13 10:30	11/27/13 13:01	206-44-0	
Fluorene	ND	ug/kg	12.0	1.9	1	11/22/13 10:30	11/27/13 13:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.0	3.3	1	11/22/13 10:30	11/27/13 13:01	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.0	1.4	1	11/22/13 10:30	11/27/13 13:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.0	1.3	1	11/22/13 10:30	11/27/13 13:01	91-57-6	
Naphthalene	ND	ug/kg	12.0	2.8	1	11/22/13 10:30	11/27/13 13:01	91-20-3	
Phenanthrene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 13:01	85-01-8	
Pyrene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 13:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	63	%	10-128		1	11/22/13 10:30	11/27/13 13:01	4165-60-0	
2-Fluorobiphenyl (S)	67	%	10-110		1	11/22/13 10:30	11/27/13 13:01	321-60-8	
Terphenyl-d14 (S)	77	%	39-119		1	11/22/13 10:30	11/27/13 13:01	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**112**	ug/kg	106	10.6	1		11/29/13 20:38	67-64-1	A+
Benzene	ND	ug/kg	5.3	1.7	1		11/29/13 20:38	71-43-2	
Bromochloromethane	ND	ug/kg	5.3	1.8	1		11/29/13 20:38	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	2.0	1		11/29/13 20:38	75-27-4	
Bromoform	ND	ug/kg	5.3	2.4	1		11/29/13 20:38	75-25-2	
Bromomethane	ND	ug/kg	10.6	2.6	1		11/29/13 20:38	74-83-9	
2-Butanone (MEK)	**19.5J**	ug/kg	106	3.1	1		11/29/13 20:38	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-22-9-10 **Lab ID: 92180392027** Collected: 11/20/13 09:05 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.6	3.2	1		11/29/13 20:38	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	2.8	1		11/29/13 20:38	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	2.0	1		11/29/13 20:38	108-90-7	
Chloroethane	ND	ug/kg	10.6	2.5	1		11/29/13 20:38	75-00-3	
Chloroform	ND	ug/kg	5.3	1.7	1		11/29/13 20:38	67-66-3	
Chloromethane	ND	ug/kg	10.6	2.5	1		11/29/13 20:38	74-87-3	
Cyclohexane	ND	ug/kg	5.3	1.7	1		11/29/13 20:38	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	3.8	1		11/29/13 20:38	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1.9	1		11/29/13 20:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1.9	1		11/29/13 20:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.3	2.0	1		11/29/13 20:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	2.1	1		11/29/13 20:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1.8	1		11/29/13 20:38	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.6	3.8	1		11/29/13 20:38	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1.6	1		11/29/13 20:38	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	2.3	1		11/29/13 20:38	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1.9	1		11/29/13 20:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1.5	1		11/29/13 20:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	2.0	1		11/29/13 20:38	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1.8	1		11/29/13 20:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1.9	1		11/29/13 20:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1.6	1		11/29/13 20:38	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	159	127	1		11/29/13 20:38	123-91-1	
Ethylbenzene	ND	ug/kg	5.3	1.9	1		11/29/13 20:38	100-41-4	
2-Hexanone	ND	ug/kg	53.0	4.1	1		11/29/13 20:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	2.0	1		11/29/13 20:38	98-82-8	
Methyl acetate	ND	ug/kg	10.6	1.5	1		11/29/13 20:38	79-20-9	
Methylcyclohexane	ND	ug/kg	10.6	1.6	1		11/29/13 20:38	108-87-2	
Methylene Chloride	ND	ug/kg	21.2	3.2	1		11/29/13 20:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	53.0	3.9	1		11/29/13 20:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1.6	1		11/29/13 20:38	1634-04-4	
Styrene	ND	ug/kg	5.3	1.9	1		11/29/13 20:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	2.0	1		11/29/13 20:38	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1.8	1		11/29/13 20:38	127-18-4	
Toluene	ND	ug/kg	5.3	1.9	1		11/29/13 20:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	2.3	1		11/29/13 20:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1.7	1		11/29/13 20:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1.9	1		11/29/13 20:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	2.2	1		11/29/13 20:38	79-00-5	
Trichloroethene	ND	ug/kg	5.3	2.2	1		11/29/13 20:38	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	2.3	1		11/29/13 20:38	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.3	2.0	1		11/29/13 20:38	76-13-1	
Vinyl chloride	ND	ug/kg	10.6	1.9	1		11/29/13 20:38	75-01-4	
m&p-Xylene	ND	ug/kg	10.6	3.8	1		11/29/13 20:38	179601-23-1	
o-Xylene	ND	ug/kg	5.3	2.0	1		11/29/13 20:38	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-22-9-10 **Lab ID: 92180392027** Collected: 11/20/13 09:05 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/29/13 20:38	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130		1		11/29/13 20:38	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-132		1		11/29/13 20:38	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.4**	%	0.10	0.10	1		12/02/13 16:47		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-22-12-13 **Lab ID: 92180392028** Collected: 11/20/13 09:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	393	202	1	11/22/13 13:15	11/26/13 18:36	98-86-2	
Atrazine	ND	ug/kg	786	155	1	11/22/13 13:15	11/26/13 18:36	1912-24-9	
Benzaldehyde	ND	ug/kg	786	393	1	11/22/13 13:15	11/26/13 18:36	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	393	124	1	11/22/13 13:15	11/26/13 18:36	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	393	71.4	1	11/22/13 13:15	11/26/13 18:36	101-55-3	
Butylbenzylphthalate	ND	ug/kg	393	83.4	1	11/22/13 13:15	11/26/13 18:36	85-68-7	
Caprolactam	ND	ug/kg	393	67.9	1	11/22/13 13:15	11/26/13 18:36	105-60-2	
Carbazole	ND	ug/kg	393	75.0	1	11/22/13 13:15	11/26/13 18:36	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	786	81.0	1	11/22/13 13:15	11/26/13 18:36	59-50-7	
4-Chloroaniline	ND	ug/kg	1960	110	1	11/22/13 13:15	11/26/13 18:36	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	393	91.7	1	11/22/13 13:15	11/26/13 18:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	393	100	1	11/22/13 13:15	11/26/13 18:36	111-44-4	
2-Chloronaphthalene	ND	ug/kg	393	77.4	1	11/22/13 13:15	11/26/13 18:36	91-58-7	
2-Chlorophenol	ND	ug/kg	393	107	1	11/22/13 13:15	11/26/13 18:36	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	393	81.0	1	11/22/13 13:15	11/26/13 18:36	7005-72-3	
Dibenzofuran	ND	ug/kg	393	64.3	1	11/22/13 13:15	11/26/13 18:36	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1960	85.7	1	11/22/13 13:15	11/26/13 18:36	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	393	85.7	1	11/22/13 13:15	11/26/13 18:36	120-83-2	
Diethylphthalate	ND	ug/kg	393	60.7	1	11/22/13 13:15	11/26/13 18:36	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	393	155	1	11/22/13 13:15	11/26/13 18:36	105-67-9	
Dimethylphthalate	ND	ug/kg	393	79.8	1	11/22/13 13:15	11/26/13 18:36	131-11-3	
Di-n-butylphthalate	ND	ug/kg	393	64.3	1	11/22/13 13:15	11/26/13 18:36	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	786	78.6	1	11/22/13 13:15	11/26/13 18:36	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1960	64.3	1	11/22/13 13:15	11/26/13 18:36	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	393	73.8	1	11/22/13 13:15	11/26/13 18:36	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	393	82.2	1	11/22/13 13:15	11/26/13 18:36	606-20-2	
Di-n-octylphthalate	ND	ug/kg	393	82.2	1	11/22/13 13:15	11/26/13 18:36	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	393	107	1	11/22/13 13:15	11/26/13 18:36	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	393	67.9	1	11/22/13 13:15	11/26/13 18:36	87-68-3	
Hexachlorobenzene	ND	ug/kg	393	50.0	1	11/22/13 13:15	11/26/13 18:36	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	393	72.6	1	11/22/13 13:15	11/26/13 18:36	77-47-4	
Hexachloroethane	ND	ug/kg	393	104	1	11/22/13 13:15	11/26/13 18:36	67-72-1	
Isophorone	ND	ug/kg	393	88.1	1	11/22/13 13:15	11/26/13 18:36	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	393	119	1	11/22/13 13:15	11/26/13 18:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	393	155	1	11/22/13 13:15	11/26/13 18:36		
2-Nitroaniline	ND	ug/kg	1960	121	1	11/22/13 13:15	11/26/13 18:36	88-74-4	
3-Nitroaniline	ND	ug/kg	1960	107	1	11/22/13 13:15	11/26/13 18:36	99-09-2	
4-Nitroaniline	ND	ug/kg	786	111	1	11/22/13 13:15	11/26/13 18:36	100-01-6	
Nitrobenzene	ND	ug/kg	393	107	1	11/22/13 13:15	11/26/13 18:36	98-95-3	
2-Nitrophenol	ND	ug/kg	393	95.3	1	11/22/13 13:15	11/26/13 18:36	88-75-5	
4-Nitrophenol	ND	ug/kg	1960	70.3	1	11/22/13 13:15	11/26/13 18:36	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	393	75.0	1	11/22/13 13:15	11/26/13 18:36	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	393	117	1	11/22/13 13:15	11/26/13 18:36	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	393	105	1	11/22/13 13:15	11/26/13 18:36	108-60-1	
Pentachlorophenol	ND	ug/kg	1960	71.4	1	11/22/13 13:15	11/26/13 18:36	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-22-12-13 **Lab ID: 92180392028** Collected: 11/20/13 09:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	393	118	1	11/22/13 13:15	11/26/13 18:36	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	393	143	1	11/22/13 13:15	11/26/13 18:36	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	393	155	1	11/22/13 13:15	11/26/13 18:36	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	393	121	1	11/22/13 13:15	11/26/13 18:36	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	393	86.9	1	11/22/13 13:15	11/26/13 18:36	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	45	%	30-110		1	11/22/13 13:15	11/26/13 18:36	321-60-8	
Terphenyl-d14 (S)	53	%	28-110		1	11/22/13 13:15	11/26/13 18:36	1718-51-0	
Phenol-d6 (S)	47	%	22-110		1	11/22/13 13:15	11/26/13 18:36	13127-88-3	
2-Fluorophenol (S)	45	%	13-110		1	11/22/13 13:15	11/26/13 18:36	367-12-4	
2,4,6-Tribromophenol (S)	44	%	27-110		1	11/22/13 13:15	11/26/13 18:36	118-79-6	
Nitrobenzene-d5 (S)	44	%	23-110		1	11/22/13 13:15	11/26/13 18:36	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.9	1.8	1	11/22/13 10:30	11/27/13 13:21	83-32-9	
Acenaphthylene	ND	ug/kg	11.9	1.5	1	11/22/13 10:30	11/27/13 13:21	208-96-8	
Anthracene	ND	ug/kg	11.9	1.7	1	11/22/13 10:30	11/27/13 13:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.9	0.85	1	11/22/13 10:30	11/27/13 13:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.9	1.3	1	11/22/13 10:30	11/27/13 13:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.9	0.80	1	11/22/13 10:30	11/27/13 13:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.9	3.1	1	11/22/13 10:30	11/27/13 13:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.9	1.8	1	11/22/13 10:30	11/27/13 13:21	207-08-9	
Chrysene	ND	ug/kg	11.9	2.1	1	11/22/13 10:30	11/27/13 13:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.9	2.1	1	11/22/13 10:30	11/27/13 13:21	53-70-3	
Fluoranthene	ND	ug/kg	11.9	0.99	1	11/22/13 10:30	11/27/13 13:21	206-44-0	
Fluorene	ND	ug/kg	11.9	1.9	1	11/22/13 10:30	11/27/13 13:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.9	3.3	1	11/22/13 10:30	11/27/13 13:21	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.9	1.4	1	11/22/13 10:30	11/27/13 13:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.9	1.3	1	11/22/13 10:30	11/27/13 13:21	91-57-6	
Naphthalene	ND	ug/kg	11.9	2.7	1	11/22/13 10:30	11/27/13 13:21	91-20-3	
Phenanthrene	ND	ug/kg	11.9	1.8	1	11/22/13 10:30	11/27/13 13:21	85-01-8	
Pyrene	ND	ug/kg	11.9	2.1	1	11/22/13 10:30	11/27/13 13:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	56	%	10-128		1	11/22/13 10:30	11/27/13 13:21	4165-60-0	
2-Fluorobiphenyl (S)	55	%	10-110		1	11/22/13 10:30	11/27/13 13:21	321-60-8	
Terphenyl-d14 (S)	72	%	39-119		1	11/22/13 10:30	11/27/13 13:21	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**50.2J**	ug/kg	109	10.9	1		11/29/13 20:58	67-64-1	
Benzene	ND	ug/kg	5.5	1.7	1		11/29/13 20:58	71-43-2	
Bromochloromethane	ND	ug/kg	5.5	1.9	1		11/29/13 20:58	74-97-5	
Bromodichloromethane	ND	ug/kg	5.5	2.1	1		11/29/13 20:58	75-27-4	
Bromoform	ND	ug/kg	5.5	2.5	1		11/29/13 20:58	75-25-2	
Bromomethane	ND	ug/kg	10.9	2.7	1		11/29/13 20:58	74-83-9	
2-Butanone (MEK)	ND	ug/kg	109	3.2	1		11/29/13 20:58	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-22-12-13 **Lab ID: 92180392028** Collected: 11/20/13 09:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.9	3.3	1		11/29/13 20:58	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.5	2.8	1		11/29/13 20:58	56-23-5	
Chlorobenzene	ND	ug/kg	5.5	2.1	1		11/29/13 20:58	108-90-7	
Chloroethane	ND	ug/kg	10.9	2.6	1		11/29/13 20:58	75-00-3	
Chloroform	ND	ug/kg	5.5	1.7	1		11/29/13 20:58	67-66-3	
Chloromethane	ND	ug/kg	10.9	2.6	1		11/29/13 20:58	74-87-3	
Cyclohexane	ND	ug/kg	5.5	1.7	1		11/29/13 20:58	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.5	3.9	1		11/29/13 20:58	96-12-8	
Dibromochloromethane	ND	ug/kg	5.5	2.0	1		11/29/13 20:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.5	2.0	1		11/29/13 20:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.5	2.1	1		11/29/13 20:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.5	2.2	1		11/29/13 20:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.5	1.9	1		11/29/13 20:58	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.9	3.9	1		11/29/13 20:58	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.5	1.6	1		11/29/13 20:58	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.5	2.4	1		11/29/13 20:58	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.5	2.0	1		11/29/13 20:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.5	1.5	1		11/29/13 20:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.5	2.1	1		11/29/13 20:58	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.5	1.9	1		11/29/13 20:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.5	2.0	1		11/29/13 20:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.5	1.6	1		11/29/13 20:58	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	164	131	1		11/29/13 20:58	123-91-1	
Ethylbenzene	ND	ug/kg	5.5	2.0	1		11/29/13 20:58	100-41-4	
2-Hexanone	ND	ug/kg	54.5	4.3	1		11/29/13 20:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.5	2.1	1		11/29/13 20:58	98-82-8	
Methyl acetate	ND	ug/kg	10.9	1.5	1		11/29/13 20:58	79-20-9	
Methylcyclohexane	ND	ug/kg	10.9	1.6	1		11/29/13 20:58	108-87-2	
Methylene Chloride	ND	ug/kg	21.8	3.3	1		11/29/13 20:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	54.5	4.0	1		11/29/13 20:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.5	1.6	1		11/29/13 20:58	1634-04-4	
Styrene	ND	ug/kg	5.5	2.0	1		11/29/13 20:58	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.5	2.1	1		11/29/13 20:58	79-34-5	
Tetrachloroethene	ND	ug/kg	5.5	1.9	1		11/29/13 20:58	127-18-4	
Toluene	ND	ug/kg	5.5	2.0	1		11/29/13 20:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.5	2.4	1		11/29/13 20:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.5	1.7	1		11/29/13 20:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.5	2.0	1		11/29/13 20:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.5	2.3	1		11/29/13 20:58	79-00-5	
Trichloroethene	ND	ug/kg	5.5	2.3	1		11/29/13 20:58	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.5	2.4	1		11/29/13 20:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.5	2.1	1		11/29/13 20:58	76-13-1	
Vinyl chloride	ND	ug/kg	10.9	2.0	1		11/29/13 20:58	75-01-4	
m&p-Xylene	ND	ug/kg	10.9	3.9	1		11/29/13 20:58	179601-23-1	
o-Xylene	ND	ug/kg	5.5	2.1	1		11/29/13 20:58	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-22-12-13 **Lab ID: 92180392028** Collected: 11/20/13 09:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		11/29/13 20:58	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		11/29/13 20:58	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%	70-132		1		11/29/13 20:58	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.0**	%	0.10	0.10	1		12/02/13 16:47		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-07-0-1 **Lab ID: 92180392029** Collected: 11/20/13 10:20 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	397	204	1	11/22/13 13:15	11/26/13 19:03	98-86-2	
Atrazine	ND	ug/kg	794	156	1	11/22/13 13:15	11/26/13 19:03	1912-24-9	
Benzaldehyde	ND	ug/kg	794	397	1	11/22/13 13:15	11/26/13 19:03	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	397	125	1	11/22/13 13:15	11/26/13 19:03	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	397	72.2	1	11/22/13 13:15	11/26/13 19:03	101-55-3	
Butylbenzylphthalate	ND	ug/kg	397	84.2	1	11/22/13 13:15	11/26/13 19:03	85-68-7	
Caprolactam	ND	ug/kg	397	68.6	1	11/22/13 13:15	11/26/13 19:03	105-60-2	
Carbazole	ND	ug/kg	397	75.8	1	11/22/13 13:15	11/26/13 19:03	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	794	81.8	1	11/22/13 13:15	11/26/13 19:03	59-50-7	
4-Chloroaniline	ND	ug/kg	1980	111	1	11/22/13 13:15	11/26/13 19:03	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	397	92.6	1	11/22/13 13:15	11/26/13 19:03	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	397	101	1	11/22/13 13:15	11/26/13 19:03	111-44-4	
2-Chloronaphthalene	ND	ug/kg	397	78.2	1	11/22/13 13:15	11/26/13 19:03	91-58-7	
2-Chlorophenol	ND	ug/kg	397	108	1	11/22/13 13:15	11/26/13 19:03	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	397	81.8	1	11/22/13 13:15	11/26/13 19:03	7005-72-3	
Dibenzofuran	ND	ug/kg	397	65.0	1	11/22/13 13:15	11/26/13 19:03	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1980	86.6	1	11/22/13 13:15	11/26/13 19:03	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	397	86.6	1	11/22/13 13:15	11/26/13 19:03	120-83-2	
Diethylphthalate	ND	ug/kg	397	61.3	1	11/22/13 13:15	11/26/13 19:03	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	397	156	1	11/22/13 13:15	11/26/13 19:03	105-67-9	
Dimethylphthalate	ND	ug/kg	397	80.6	1	11/22/13 13:15	11/26/13 19:03	131-11-3	
Di-n-butylphthalate	ND	ug/kg	397	65.0	1	11/22/13 13:15	11/26/13 19:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	794	79.4	1	11/22/13 13:15	11/26/13 19:03	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1980	65.0	1	11/22/13 13:15	11/26/13 19:03	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	397	74.6	1	11/22/13 13:15	11/26/13 19:03	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	397	83.0	1	11/22/13 13:15	11/26/13 19:03	606-20-2	
Di-n-octylphthalate	ND	ug/kg	397	83.0	1	11/22/13 13:15	11/26/13 19:03	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	397	108	1	11/22/13 13:15	11/26/13 19:03	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	397	68.6	1	11/22/13 13:15	11/26/13 19:03	87-68-3	
Hexachlorobenzene	ND	ug/kg	397	50.5	1	11/22/13 13:15	11/26/13 19:03	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	397	73.4	1	11/22/13 13:15	11/26/13 19:03	77-47-4	
Hexachloroethane	ND	ug/kg	397	105	1	11/22/13 13:15	11/26/13 19:03	67-72-1	
Isophorone	ND	ug/kg	397	89.0	1	11/22/13 13:15	11/26/13 19:03	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	397	120	1	11/22/13 13:15	11/26/13 19:03	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	397	156	1	11/22/13 13:15	11/26/13 19:03		
2-Nitroaniline	ND	ug/kg	1980	123	1	11/22/13 13:15	11/26/13 19:03	88-74-4	
3-Nitroaniline	ND	ug/kg	1980	108	1	11/22/13 13:15	11/26/13 19:03	99-09-2	
4-Nitroaniline	ND	ug/kg	794	112	1	11/22/13 13:15	11/26/13 19:03	100-01-6	
Nitrobenzene	ND	ug/kg	397	108	1	11/22/13 13:15	11/26/13 19:03	98-95-3	
2-Nitrophenol	ND	ug/kg	397	96.2	1	11/22/13 13:15	11/26/13 19:03	88-75-5	
4-Nitrophenol	ND	ug/kg	1980	71.0	1	11/22/13 13:15	11/26/13 19:03	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	397	75.8	1	11/22/13 13:15	11/26/13 19:03	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	397	118	1	11/22/13 13:15	11/26/13 19:03	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	397	106	1	11/22/13 13:15	11/26/13 19:03	108-60-1	
Pentachlorophenol	ND	ug/kg	1980	72.2	1	11/22/13 13:15	11/26/13 19:03	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-07-0-1 **Lab ID: 92180392029** Collected: 11/20/13 10:20 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	397	119	1	11/22/13 13:15	11/26/13 19:03	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	397	144	1	11/22/13 13:15	11/26/13 19:03	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	397	156	1	11/22/13 13:15	11/26/13 19:03	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	397	123	1	11/22/13 13:15	11/26/13 19:03	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	397	87.8	1	11/22/13 13:15	11/26/13 19:03	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	35	%	30-110		1	11/22/13 13:15	11/26/13 19:03	321-60-8	
Terphenyl-d14 (S)	42	%	28-110		1	11/22/13 13:15	11/26/13 19:03	1718-51-0	
Phenol-d6 (S)	38	%	22-110		1	11/22/13 13:15	11/26/13 19:03	13127-88-3	
2-Fluorophenol (S)	38	%	13-110		1	11/22/13 13:15	11/26/13 19:03	367-12-4	
2,4,6-Tribromophenol (S)	38	%	27-110		1	11/22/13 13:15	11/26/13 19:03	118-79-6	
Nitrobenzene-d5 (S)	37	%	23-110		1	11/22/13 13:15	11/26/13 19:03	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 14:01	83-32-9	
Acenaphthylene	ND	ug/kg	12.0	1.6	1	11/22/13 10:30	11/27/13 14:01	208-96-8	
Anthracene	ND	ug/kg	12.0	1.7	1	11/22/13 10:30	11/27/13 14:01	120-12-7	
Benzo(a)anthracene	**0.90J**	ug/kg	12.0	0.85	1	11/22/13 10:30	11/27/13 14:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.0	1.3	1	11/22/13 10:30	11/27/13 14:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.0	0.81	1	11/22/13 10:30	11/27/13 14:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.0	3.1	1	11/22/13 10:30	11/27/13 14:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 14:01	207-08-9	
Chrysene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 14:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 14:01	53-70-3	
Fluoranthene	**1.1J**	ug/kg	12.0	1.0	1	11/22/13 10:30	11/27/13 14:01	206-44-0	
Fluorene	ND	ug/kg	12.0	1.9	1	11/22/13 10:30	11/27/13 14:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.0	3.4	1	11/22/13 10:30	11/27/13 14:01	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.0	1.4	1	11/22/13 10:30	11/27/13 14:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.0	1.3	1	11/22/13 10:30	11/27/13 14:01	91-57-6	
Naphthalene	ND	ug/kg	12.0	2.8	1	11/22/13 10:30	11/27/13 14:01	91-20-3	
Phenanthrene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 14:01	85-01-8	
Pyrene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 14:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	65	%	10-128		1	11/22/13 10:30	11/27/13 14:01	4165-60-0	
2-Fluorobiphenyl (S)	64	%	10-110		1	11/22/13 10:30	11/27/13 14:01	321-60-8	
Terphenyl-d14 (S)	75	%	39-119		1	11/22/13 10:30	11/27/13 14:01	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**81.6J**	ug/kg	104	10.4	1		11/29/13 21:17	67-64-1	
Benzene	ND	ug/kg	5.2	1.7	1		11/29/13 21:17	71-43-2	
Bromochloromethane	ND	ug/kg	5.2	1.8	1		11/29/13 21:17	74-97-5	
Bromodichloromethane	ND	ug/kg	5.2	2.0	1		11/29/13 21:17	75-27-4	
Bromoform	ND	ug/kg	5.2	2.4	1		11/29/13 21:17	75-25-2	
Bromomethane	ND	ug/kg	10.4	2.6	1		11/29/13 21:17	74-83-9	
2-Butanone (MEK)	ND	ug/kg	104	3.0	1		11/29/13 21:17	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-07-0-1 **Lab ID: 92180392029** Collected: 11/20/13 10:20 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.4	3.1	1		11/29/13 21:17	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.2	2.7	1		11/29/13 21:17	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	2.0	1		11/29/13 21:17	108-90-7	
Chloroethane	ND	ug/kg	10.4	2.5	1		11/29/13 21:17	75-00-3	
Chloroform	ND	ug/kg	5.2	1.7	1		11/29/13 21:17	67-66-3	
Chloromethane	ND	ug/kg	10.4	2.5	1		11/29/13 21:17	74-87-3	
Cyclohexane	ND	ug/kg	5.2	1.7	1		11/29/13 21:17	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.2	3.7	1		11/29/13 21:17	96-12-8	
Dibromochloromethane	ND	ug/kg	5.2	1.9	1		11/29/13 21:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1.9	1		11/29/13 21:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.2	2.0	1		11/29/13 21:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	2.1	1		11/29/13 21:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1.8	1		11/29/13 21:17	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.4	3.7	1		11/29/13 21:17	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1.6	1		11/29/13 21:17	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	2.3	1		11/29/13 21:17	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.2	1.9	1		11/29/13 21:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1.5	1		11/29/13 21:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	2.0	1		11/29/13 21:17	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1.8	1		11/29/13 21:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1.9	1		11/29/13 21:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1.6	1		11/29/13 21:17	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	156	125	1		11/29/13 21:17	123-91-1	
Ethylbenzene	ND	ug/kg	5.2	1.9	1		11/29/13 21:17	100-41-4	
2-Hexanone	ND	ug/kg	51.9	4.1	1		11/29/13 21:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	2.0	1		11/29/13 21:17	98-82-8	
Methyl acetate	ND	ug/kg	10.4	1.5	1		11/29/13 21:17	79-20-9	
Methylcyclohexane	ND	ug/kg	10.4	1.6	1		11/29/13 21:17	108-87-2	
Methylene Chloride	ND	ug/kg	20.8	3.1	1		11/29/13 21:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	51.9	3.8	1		11/29/13 21:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1.6	1		11/29/13 21:17	1634-04-4	
Styrene	ND	ug/kg	5.2	1.9	1		11/29/13 21:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	2.0	1		11/29/13 21:17	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1.8	1		11/29/13 21:17	127-18-4	
Toluene	ND	ug/kg	5.2	1.9	1		11/29/13 21:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	2.3	1		11/29/13 21:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1.7	1		11/29/13 21:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1.9	1		11/29/13 21:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	2.2	1		11/29/13 21:17	79-00-5	
Trichloroethene	ND	ug/kg	5.2	2.2	1		11/29/13 21:17	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	2.3	1		11/29/13 21:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.2	2.0	1		11/29/13 21:17	76-13-1	
Vinyl chloride	ND	ug/kg	10.4	1.9	1		11/29/13 21:17	75-01-4	
m&p-Xylene	ND	ug/kg	10.4	3.7	1		11/29/13 21:17	179601-23-1	
o-Xylene	ND	ug/kg	5.2	2.0	1		11/29/13 21:17	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-07-0-1 **Lab ID: 92180392029** Collected: 11/20/13 10:20 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		11/29/13 21:17	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		11/29/13 21:17	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-132		1		11/29/13 21:17	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.9**	%	0.10	0.10	1		12/02/13 16:48		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-07-9-10 **Lab ID: 92180392030** Collected: 11/20/13 10:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	397	205	1	11/22/13 13:15	11/26/13 19:31	98-86-2	
Atrazine	ND	ug/kg	794	156	1	11/22/13 13:15	11/26/13 19:31	1912-24-9	
Benzaldehyde	ND	ug/kg	794	397	1	11/22/13 13:15	11/26/13 19:31	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	397	125	1	11/22/13 13:15	11/26/13 19:31	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	397	72.2	1	11/22/13 13:15	11/26/13 19:31	101-55-3	
Butylbenzylphthalate	ND	ug/kg	397	84.2	1	11/22/13 13:15	11/26/13 19:31	85-68-7	
Caprolactam	ND	ug/kg	397	68.6	1	11/22/13 13:15	11/26/13 19:31	105-60-2	
Carbazole	ND	ug/kg	397	75.8	1	11/22/13 13:15	11/26/13 19:31	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	794	81.8	1	11/22/13 13:15	11/26/13 19:31	59-50-7	
4-Chloroaniline	ND	ug/kg	1990	111	1	11/22/13 13:15	11/26/13 19:31	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	397	92.7	1	11/22/13 13:15	11/26/13 19:31	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	397	101	1	11/22/13 13:15	11/26/13 19:31	111-44-4	
2-Chloronaphthalene	ND	ug/kg	397	78.2	1	11/22/13 13:15	11/26/13 19:31	91-58-7	
2-Chlorophenol	ND	ug/kg	397	108	1	11/22/13 13:15	11/26/13 19:31	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	397	81.8	1	11/22/13 13:15	11/26/13 19:31	7005-72-3	
Dibenzofuran	ND	ug/kg	397	65.0	1	11/22/13 13:15	11/26/13 19:31	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1990	86.6	1	11/22/13 13:15	11/26/13 19:31	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	397	86.6	1	11/22/13 13:15	11/26/13 19:31	120-83-2	
Diethylphthalate	ND	ug/kg	397	61.4	1	11/22/13 13:15	11/26/13 19:31	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	397	156	1	11/22/13 13:15	11/26/13 19:31	105-67-9	
Dimethylphthalate	ND	ug/kg	397	80.6	1	11/22/13 13:15	11/26/13 19:31	131-11-3	
Di-n-butylphthalate	ND	ug/kg	397	65.0	1	11/22/13 13:15	11/26/13 19:31	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	794	79.4	1	11/22/13 13:15	11/26/13 19:31	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1990	65.0	1	11/22/13 13:15	11/26/13 19:31	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	397	74.6	1	11/22/13 13:15	11/26/13 19:31	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	397	83.0	1	11/22/13 13:15	11/26/13 19:31	606-20-2	
Di-n-octylphthalate	ND	ug/kg	397	83.0	1	11/22/13 13:15	11/26/13 19:31	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	397	108	1	11/22/13 13:15	11/26/13 19:31	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	397	68.6	1	11/22/13 13:15	11/26/13 19:31	87-68-3	
Hexachlorobenzene	ND	ug/kg	397	50.5	1	11/22/13 13:15	11/26/13 19:31	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	397	73.4	1	11/22/13 13:15	11/26/13 19:31	77-47-4	
Hexachloroethane	ND	ug/kg	397	105	1	11/22/13 13:15	11/26/13 19:31	67-72-1	
Isophorone	ND	ug/kg	397	89.0	1	11/22/13 13:15	11/26/13 19:31	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	397	120	1	11/22/13 13:15	11/26/13 19:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	397	156	1	11/22/13 13:15	11/26/13 19:31		
2-Nitroaniline	ND	ug/kg	1990	123	1	11/22/13 13:15	11/26/13 19:31	88-74-4	
3-Nitroaniline	ND	ug/kg	1990	108	1	11/22/13 13:15	11/26/13 19:31	99-09-2	
4-Nitroaniline	ND	ug/kg	794	112	1	11/22/13 13:15	11/26/13 19:31	100-01-6	
Nitrobenzene	ND	ug/kg	397	108	1	11/22/13 13:15	11/26/13 19:31	98-95-3	
2-Nitrophenol	ND	ug/kg	397	96.3	1	11/22/13 13:15	11/26/13 19:31	88-75-5	
4-Nitrophenol	ND	ug/kg	1990	71.0	1	11/22/13 13:15	11/26/13 19:31	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	397	75.8	1	11/22/13 13:15	11/26/13 19:31	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	397	118	1	11/22/13 13:15	11/26/13 19:31	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	397	106	1	11/22/13 13:15	11/26/13 19:31	108-60-1	
Pentachlorophenol	ND	ug/kg	1990	72.2	1	11/22/13 13:15	11/26/13 19:31	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-07-9-10 **Lab ID: 92180392030** Collected: 11/20/13 10:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	397	119	1	11/22/13 13:15	11/26/13 19:31	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	397	144	1	11/22/13 13:15	11/26/13 19:31	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	397	156	1	11/22/13 13:15	11/26/13 19:31	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	397	123	1	11/22/13 13:15	11/26/13 19:31	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	397	87.8	1	11/22/13 13:15	11/26/13 19:31	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	58	%	30-110		1	11/22/13 13:15	11/26/13 19:31	321-60-8	
Terphenyl-d14 (S)	64	%	28-110		1	11/22/13 13:15	11/26/13 19:31	1718-51-0	
Phenol-d6 (S)	49	%	22-110		1	11/22/13 13:15	11/26/13 19:31	13127-88-3	
2-Fluorophenol (S)	47	%	13-110		1	11/22/13 13:15	11/26/13 19:31	367-12-4	
2,4,6-Tribromophenol (S)	44	%	27-110		1	11/22/13 13:15	11/26/13 19:31	118-79-6	
Nitrobenzene-d5 (S)	60	%	23-110		1	11/22/13 13:15	11/26/13 19:31	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 14:21	83-32-9	
Acenaphthylene	ND	ug/kg	12.0	1.6	1	11/22/13 10:30	11/27/13 14:21	208-96-8	
Anthracene	ND	ug/kg	12.0	1.7	1	11/22/13 10:30	11/27/13 14:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.0	0.85	1	11/22/13 10:30	11/27/13 14:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.0	1.3	1	11/22/13 10:30	11/27/13 14:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.0	0.81	1	11/22/13 10:30	11/27/13 14:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.0	3.1	1	11/22/13 10:30	11/27/13 14:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 14:21	207-08-9	
Chrysene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 14:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 14:21	53-70-3	
Fluoranthene	ND	ug/kg	12.0	1.0	1	11/22/13 10:30	11/27/13 14:21	206-44-0	
Fluorene	ND	ug/kg	12.0	1.9	1	11/22/13 10:30	11/27/13 14:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.0	3.4	1	11/22/13 10:30	11/27/13 14:21	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.0	1.4	1	11/22/13 10:30	11/27/13 14:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.0	1.3	1	11/22/13 10:30	11/27/13 14:21	91-57-6	
Naphthalene	ND	ug/kg	12.0	2.8	1	11/22/13 10:30	11/27/13 14:21	91-20-3	
Phenanthrene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 14:21	85-01-8	
Pyrene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 14:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	34	%	10-128		1	11/22/13 10:30	11/27/13 14:21	4165-60-0	
2-Fluorobiphenyl (S)	33	%	10-110		1	11/22/13 10:30	11/27/13 14:21	321-60-8	
Terphenyl-d14 (S)	70	%	39-119		1	11/22/13 10:30	11/27/13 14:21	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**439**	ug/kg	122	12.2	1		11/29/13 21:37	67-64-1	
Benzene	ND	ug/kg	6.1	1.9	1		11/29/13 21:37	71-43-2	
Bromochloromethane	ND	ug/kg	6.1	2.1	1		11/29/13 21:37	74-97-5	
Bromodichloromethane	ND	ug/kg	6.1	2.3	1		11/29/13 21:37	75-27-4	
Bromoform	ND	ug/kg	6.1	2.8	1		11/29/13 21:37	75-25-2	
Bromomethane	ND	ug/kg	12.2	3.0	1		11/29/13 21:37	74-83-9	
2-Butanone (MEK)	ND	ug/kg	122	3.5	1		11/29/13 21:37	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-07-9-10 **Lab ID: 92180392030** Collected: 11/20/13 10:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	12.2	3.7	1		11/29/13 21:37	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.1	3.2	1		11/29/13 21:37	56-23-5	
Chlorobenzene	ND	ug/kg	6.1	2.3	1		11/29/13 21:37	108-90-7	
Chloroethane	ND	ug/kg	12.2	2.9	1		11/29/13 21:37	75-00-3	
Chloroform	ND	ug/kg	6.1	1.9	1		11/29/13 21:37	67-66-3	
Chloromethane	ND	ug/kg	12.2	2.9	1		11/29/13 21:37	74-87-3	
Cyclohexane	ND	ug/kg	6.1	1.9	1		11/29/13 21:37	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.1	4.4	1		11/29/13 21:37	96-12-8	
Dibromochloromethane	ND	ug/kg	6.1	2.2	1		11/29/13 21:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.1	2.2	1		11/29/13 21:37	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	6.1	2.3	1		11/29/13 21:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.1	2.4	1		11/29/13 21:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.1	2.1	1		11/29/13 21:37	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.2	4.4	1		11/29/13 21:37	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.1	1.8	1		11/29/13 21:37	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.1	2.7	1		11/29/13 21:37	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.1	2.2	1		11/29/13 21:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.1	1.7	1		11/29/13 21:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.1	2.3	1		11/29/13 21:37	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.1	2.1	1		11/29/13 21:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	6.1	2.2	1		11/29/13 21:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.1	1.8	1		11/29/13 21:37	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	183	146	1		11/29/13 21:37	123-91-1	
Ethylbenzene	ND	ug/kg	6.1	2.2	1		11/29/13 21:37	100-41-4	
2-Hexanone	ND	ug/kg	60.9	4.7	1		11/29/13 21:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.1	2.3	1		11/29/13 21:37	98-82-8	
Methyl acetate	**15.0**	ug/kg	12.2	1.7	1		11/29/13 21:37	79-20-9	
Methylcyclohexane	ND	ug/kg	12.2	1.8	1		11/29/13 21:37	108-87-2	
Methylene Chloride	ND	ug/kg	24.4	3.7	1		11/29/13 21:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	60.9	4.5	1		11/29/13 21:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.1	1.8	1		11/29/13 21:37	1634-04-4	
Styrene	ND	ug/kg	6.1	2.2	1		11/29/13 21:37	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.1	2.3	1		11/29/13 21:37	79-34-5	
Tetrachloroethene	ND	ug/kg	6.1	2.1	1		11/29/13 21:37	127-18-4	
Toluene	ND	ug/kg	6.1	2.2	1		11/29/13 21:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.1	2.7	1		11/29/13 21:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.1	1.9	1		11/29/13 21:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.1	2.2	1		11/29/13 21:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.1	2.6	1		11/29/13 21:37	79-00-5	
Trichloroethene	ND	ug/kg	6.1	2.6	1		11/29/13 21:37	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.1	2.7	1		11/29/13 21:37	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	6.1	2.3	1		11/29/13 21:37	76-13-1	
Vinyl chloride	ND	ug/kg	12.2	2.2	1		11/29/13 21:37	75-01-4	
m&p-Xylene	ND	ug/kg	12.2	4.4	1		11/29/13 21:37	179601-23-1	
o-Xylene	ND	ug/kg	6.1	2.3	1		11/29/13 21:37	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-07-9-10 **Lab ID: 92180392030** Collected: 11/20/13 10:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		11/29/13 21:37	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		11/29/13 21:37	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-132		1		11/29/13 21:37	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.9**	%	0.10	0.10	1		12/02/13 16:48		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-07-13-14 **Lab ID: 92180392031** Collected: 11/20/13 10:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	408	210	1	11/22/13 13:15	11/26/13 19:59	98-86-2	
Atrazine	ND	ug/kg	817	161	1	11/22/13 13:15	11/26/13 19:59	1912-24-9	
Benzaldehyde	ND	ug/kg	817	408	1	11/22/13 13:15	11/26/13 19:59	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	408	129	1	11/22/13 13:15	11/26/13 19:59	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	408	74.3	1	11/22/13 13:15	11/26/13 19:59	101-55-3	
Butylbenzylphthalate	ND	ug/kg	408	86.6	1	11/22/13 13:15	11/26/13 19:59	85-68-7	
Caprolactam	ND	ug/kg	408	70.6	1	11/22/13 13:15	11/26/13 19:59	105-60-2	
Carbazole	ND	ug/kg	408	78.0	1	11/22/13 13:15	11/26/13 19:59	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	817	84.2	1	11/22/13 13:15	11/26/13 19:59	59-50-7	
4-Chloroaniline	ND	ug/kg	2040	114	1	11/22/13 13:15	11/26/13 19:59	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	408	95.3	1	11/22/13 13:15	11/26/13 19:59	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	408	104	1	11/22/13 13:15	11/26/13 19:59	111-44-4	
2-Chloronaphthalene	ND	ug/kg	408	80.5	1	11/22/13 13:15	11/26/13 19:59	91-58-7	
2-Chlorophenol	ND	ug/kg	408	111	1	11/22/13 13:15	11/26/13 19:59	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	408	84.2	1	11/22/13 13:15	11/26/13 19:59	7005-72-3	
Dibenzofuran	ND	ug/kg	408	66.8	1	11/22/13 13:15	11/26/13 19:59	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2040	89.1	1	11/22/13 13:15	11/26/13 19:59	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	408	89.1	1	11/22/13 13:15	11/26/13 19:59	120-83-2	
Diethylphthalate	ND	ug/kg	408	63.1	1	11/22/13 13:15	11/26/13 19:59	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	408	161	1	11/22/13 13:15	11/26/13 19:59	105-67-9	
Dimethylphthalate	ND	ug/kg	408	82.9	1	11/22/13 13:15	11/26/13 19:59	131-11-3	
Di-n-butylphthalate	ND	ug/kg	408	66.8	1	11/22/13 13:15	11/26/13 19:59	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	817	81.7	1	11/22/13 13:15	11/26/13 19:59	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2040	66.8	1	11/22/13 13:15	11/26/13 19:59	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	408	76.7	1	11/22/13 13:15	11/26/13 19:59	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	408	85.4	1	11/22/13 13:15	11/26/13 19:59	606-20-2	
Di-n-octylphthalate	ND	ug/kg	408	85.4	1	11/22/13 13:15	11/26/13 19:59	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	408	111	1	11/22/13 13:15	11/26/13 19:59	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	408	70.6	1	11/22/13 13:15	11/26/13 19:59	87-68-3	
Hexachlorobenzene	ND	ug/kg	408	52.0	1	11/22/13 13:15	11/26/13 19:59	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	408	75.5	1	11/22/13 13:15	11/26/13 19:59	77-47-4	
Hexachloroethane	ND	ug/kg	408	108	1	11/22/13 13:15	11/26/13 19:59	67-72-1	
Isophorone	ND	ug/kg	408	91.6	1	11/22/13 13:15	11/26/13 19:59	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	408	124	1	11/22/13 13:15	11/26/13 19:59	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	408	161	1	11/22/13 13:15	11/26/13 19:59		
2-Nitroaniline	ND	ug/kg	2040	126	1	11/22/13 13:15	11/26/13 19:59	88-74-4	
3-Nitroaniline	ND	ug/kg	2040	111	1	11/22/13 13:15	11/26/13 19:59	99-09-2	
4-Nitroaniline	ND	ug/kg	817	115	1	11/22/13 13:15	11/26/13 19:59	100-01-6	
Nitrobenzene	ND	ug/kg	408	111	1	11/22/13 13:15	11/26/13 19:59	98-95-3	
2-Nitrophenol	ND	ug/kg	408	99.0	1	11/22/13 13:15	11/26/13 19:59	88-75-5	
4-Nitrophenol	ND	ug/kg	2040	73.0	1	11/22/13 13:15	11/26/13 19:59	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	408	78.0	1	11/22/13 13:15	11/26/13 19:59	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	408	121	1	11/22/13 13:15	11/26/13 19:59	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	408	109	1	11/22/13 13:15	11/26/13 19:59	108-60-1	
Pentachlorophenol	ND	ug/kg	2040	74.3	1	11/22/13 13:15	11/26/13 19:59	87-86-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-07-13-14 **Lab ID: 92180392031** Collected: 11/20/13 10:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	408	123	1	11/22/13 13:15	11/26/13 19:59	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	408	149	1	11/22/13 13:15	11/26/13 19:59	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	408	161	1	11/22/13 13:15	11/26/13 19:59	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	408	126	1	11/22/13 13:15	11/26/13 19:59	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	408	90.4	1	11/22/13 13:15	11/26/13 19:59	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	57	%	30-110		1	11/22/13 13:15	11/26/13 19:59	321-60-8	
Terphenyl-d14 (S)	60	%	28-110		1	11/22/13 13:15	11/26/13 19:59	1718-51-0	
Phenol-d6 (S)	48	%	22-110		1	11/22/13 13:15	11/26/13 19:59	13127-88-3	
2-Fluorophenol (S)	46	%	13-110		1	11/22/13 13:15	11/26/13 19:59	367-12-4	
2,4,6-Tribromophenol (S)	42	%	27-110		1	11/22/13 13:15	11/26/13 19:59	118-79-6	
Nitrobenzene-d5 (S)	58	%	23-110		1	11/22/13 13:15	11/26/13 19:59	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.4	1.9	1	11/22/13 10:30	11/27/13 14:41	83-32-9	
Acenaphthylene	ND	ug/kg	12.4	1.6	1	11/22/13 10:30	11/27/13 14:41	208-96-8	
Anthracene	ND	ug/kg	12.4	1.7	1	11/22/13 10:30	11/27/13 14:41	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.4	0.88	1	11/22/13 10:30	11/27/13 14:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.4	1.4	1	11/22/13 10:30	11/27/13 14:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.4	0.83	1	11/22/13 10:30	11/27/13 14:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.4	3.2	1	11/22/13 10:30	11/27/13 14:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.4	1.9	1	11/22/13 10:30	11/27/13 14:41	207-08-9	
Chrysene	ND	ug/kg	12.4	2.2	1	11/22/13 10:30	11/27/13 14:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.4	2.2	1	11/22/13 10:30	11/27/13 14:41	53-70-3	
Fluoranthene	ND	ug/kg	12.4	1.0	1	11/22/13 10:30	11/27/13 14:41	206-44-0	
Fluorene	ND	ug/kg	12.4	2.0	1	11/22/13 10:30	11/27/13 14:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.4	3.5	1	11/22/13 10:30	11/27/13 14:41	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.4	1.5	1	11/22/13 10:30	11/27/13 14:41	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.4	1.4	1	11/22/13 10:30	11/27/13 14:41	91-57-6	
Naphthalene	ND	ug/kg	12.4	2.8	1	11/22/13 10:30	11/27/13 14:41	91-20-3	
Phenanthrene	ND	ug/kg	12.4	1.9	1	11/22/13 10:30	11/27/13 14:41	85-01-8	
Pyrene	ND	ug/kg	12.4	2.2	1	11/22/13 10:30	11/27/13 14:41	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	70	%	10-128		1	11/22/13 10:30	11/27/13 14:41	4165-60-0	
2-Fluorobiphenyl (S)	69	%	10-110		1	11/22/13 10:30	11/27/13 14:41	321-60-8	
Terphenyl-d14 (S)	82	%	39-119		1	11/22/13 10:30	11/27/13 14:41	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**55.7J**	ug/kg	102	10.2	1		11/29/13 21:57	67-64-1	
Benzene	ND	ug/kg	5.1	1.6	1		11/29/13 21:57	71-43-2	
Bromochloromethane	ND	ug/kg	5.1	1.7	1		11/29/13 21:57	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1.9	1		11/29/13 21:57	75-27-4	
Bromoform	ND	ug/kg	5.1	2.4	1		11/29/13 21:57	75-25-2	
Bromomethane	ND	ug/kg	10.2	2.6	1		11/29/13 21:57	74-83-9	
2-Butanone (MEK)	ND	ug/kg	102	3.0	1		11/29/13 21:57	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-07-13-14 **Lab ID: 92180392031** Collected: 11/20/13 10:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.2	3.1	1		11/29/13 21:57	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	2.7	1		11/29/13 21:57	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1.9	1		11/29/13 21:57	108-90-7	
Chloroethane	ND	ug/kg	10.2	2.5	1		11/29/13 21:57	75-00-3	
Chloroform	ND	ug/kg	5.1	1.6	1		11/29/13 21:57	67-66-3	
Chloromethane	ND	ug/kg	10.2	2.5	1		11/29/13 21:57	74-87-3	
Cyclohexane	ND	ug/kg	5.1	1.6	1		11/29/13 21:57	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	3.7	1		11/29/13 21:57	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1.8	1		11/29/13 21:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1.8	1		11/29/13 21:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1.9	1		11/29/13 21:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	2.0	1		11/29/13 21:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1.7	1		11/29/13 21:57	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.2	3.7	1		11/29/13 21:57	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1.5	1		11/29/13 21:57	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	2.3	1		11/29/13 21:57	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1.8	1		11/29/13 21:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1.4	1		11/29/13 21:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1.9	1		11/29/13 21:57	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1.7	1		11/29/13 21:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1.8	1		11/29/13 21:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1.5	1		11/29/13 21:57	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	153	123	1		11/29/13 21:57	123-91-1	
Ethylbenzene	ND	ug/kg	5.1	1.8	1		11/29/13 21:57	100-41-4	
2-Hexanone	ND	ug/kg	51.1	4.0	1		11/29/13 21:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1.9	1		11/29/13 21:57	98-82-8	
Methyl acetate	ND	ug/kg	10.2	1.4	1		11/29/13 21:57	79-20-9	
Methylcyclohexane	ND	ug/kg	10.2	1.5	1		11/29/13 21:57	108-87-2	
Methylene Chloride	ND	ug/kg	20.5	3.1	1		11/29/13 21:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	51.1	3.8	1		11/29/13 21:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1.5	1		11/29/13 21:57	1634-04-4	
Styrene	ND	ug/kg	5.1	1.8	1		11/29/13 21:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1.9	1		11/29/13 21:57	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1.7	1		11/29/13 21:57	127-18-4	
Toluene	ND	ug/kg	5.1	1.8	1		11/29/13 21:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	2.3	1		11/29/13 21:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1.6	1		11/29/13 21:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1.8	1		11/29/13 21:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	2.1	1		11/29/13 21:57	79-00-5	
Trichloroethene	ND	ug/kg	5.1	2.1	1		11/29/13 21:57	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	2.3	1		11/29/13 21:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.1	1.9	1		11/29/13 21:57	76-13-1	
Vinyl chloride	ND	ug/kg	10.2	1.8	1		11/29/13 21:57	75-01-4	
m&p-Xylene	ND	ug/kg	10.2	3.7	1		11/29/13 21:57	179601-23-1	
o-Xylene	ND	ug/kg	5.1	1.9	1		11/29/13 21:57	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-07-13-14 **Lab ID: 92180392031** Collected: 11/20/13 10:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/29/13 21:57	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		11/29/13 21:57	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-132		1		11/29/13 21:57	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.2**	%	0.10	0.10	1		12/02/13 17:03		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-208-4-5 **Lab ID: 92180392032** Collected: 11/20/13 11:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	407	209	1	11/22/13 13:15	11/26/13 20:28	98-86-2	
Atrazine	ND	ug/kg	813	160	1	11/22/13 13:15	11/26/13 20:28	1912-24-9	
Benzaldehyde	ND	ug/kg	813	407	1	11/22/13 13:15	11/26/13 20:28	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	407	128	1	11/22/13 13:15	11/26/13 20:28	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	407	73.9	1	11/22/13 13:15	11/26/13 20:28	101-55-3	
Butylbenzylphthalate	ND	ug/kg	407	86.3	1	11/22/13 13:15	11/26/13 20:28	85-68-7	
Caprolactam	ND	ug/kg	407	70.2	1	11/22/13 13:15	11/26/13 20:28	105-60-2	
Carbazole	ND	ug/kg	407	77.6	1	11/22/13 13:15	11/26/13 20:28	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	813	83.8	1	11/22/13 13:15	11/26/13 20:28	59-50-7	
4-Chloroaniline	ND	ug/kg	2030	113	1	11/22/13 13:15	11/26/13 20:28	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	407	94.9	1	11/22/13 13:15	11/26/13 20:28	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	407	104	1	11/22/13 13:15	11/26/13 20:28	111-44-4	
2-Chloronaphthalene	ND	ug/kg	407	80.1	1	11/22/13 13:15	11/26/13 20:28	91-58-7	
2-Chlorophenol	ND	ug/kg	407	111	1	11/22/13 13:15	11/26/13 20:28	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	407	83.8	1	11/22/13 13:15	11/26/13 20:28	7005-72-3	
Dibenzofuran	ND	ug/kg	407	66.5	1	11/22/13 13:15	11/26/13 20:28	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2030	88.7	1	11/22/13 13:15	11/26/13 20:28	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	407	88.7	1	11/22/13 13:15	11/26/13 20:28	120-83-2	
Diethylphthalate	ND	ug/kg	407	62.8	1	11/22/13 13:15	11/26/13 20:28	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	407	160	1	11/22/13 13:15	11/26/13 20:28	105-67-9	
Dimethylphthalate	ND	ug/kg	407	82.6	1	11/22/13 13:15	11/26/13 20:28	131-11-3	
Di-n-butylphthalate	ND	ug/kg	407	66.5	1	11/22/13 13:15	11/26/13 20:28	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	813	81.3	1	11/22/13 13:15	11/26/13 20:28	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2030	66.5	1	11/22/13 13:15	11/26/13 20:28	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	407	76.4	1	11/22/13 13:15	11/26/13 20:28	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	407	85.0	1	11/22/13 13:15	11/26/13 20:28	606-20-2	
Di-n-octylphthalate	ND	ug/kg	407	85.0	1	11/22/13 13:15	11/26/13 20:28	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	407	111	1	11/22/13 13:15	11/26/13 20:28	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	407	70.2	1	11/22/13 13:15	11/26/13 20:28	87-68-3	
Hexachlorobenzene	ND	ug/kg	407	51.8	1	11/22/13 13:15	11/26/13 20:28	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	407	75.2	1	11/22/13 13:15	11/26/13 20:28	77-47-4	
Hexachloroethane	ND	ug/kg	407	107	1	11/22/13 13:15	11/26/13 20:28	67-72-1	
Isophorone	ND	ug/kg	407	91.2	1	11/22/13 13:15	11/26/13 20:28	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	407	123	1	11/22/13 13:15	11/26/13 20:28	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	407	160	1	11/22/13 13:15	11/26/13 20:28		
2-Nitroaniline	ND	ug/kg	2030	126	1	11/22/13 13:15	11/26/13 20:28	88-74-4	
3-Nitroaniline	ND	ug/kg	2030	111	1	11/22/13 13:15	11/26/13 20:28	99-09-2	
4-Nitroaniline	ND	ug/kg	813	115	1	11/22/13 13:15	11/26/13 20:28	100-01-6	
Nitrobenzene	ND	ug/kg	407	111	1	11/22/13 13:15	11/26/13 20:28	98-95-3	
2-Nitrophenol	ND	ug/kg	407	98.6	1	11/22/13 13:15	11/26/13 20:28	88-75-5	
4-Nitrophenol	ND	ug/kg	2030	72.7	1	11/22/13 13:15	11/26/13 20:28	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	407	77.6	1	11/22/13 13:15	11/26/13 20:28	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	407	121	1	11/22/13 13:15	11/26/13 20:28	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	407	108	1	11/22/13 13:15	11/26/13 20:28	108-60-1	
Pentachlorophenol	ND	ug/kg	2030	73.9	1	11/22/13 13:15	11/26/13 20:28	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-208-4-5 **Lab ID: 92180392032** Collected: 11/20/13 11:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	407	122	1	11/22/13 13:15	11/26/13 20:28	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	407	148	1	11/22/13 13:15	11/26/13 20:28	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	407	160	1	11/22/13 13:15	11/26/13 20:28	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	407	126	1	11/22/13 13:15	11/26/13 20:28	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	407	90.0	1	11/22/13 13:15	11/26/13 20:28	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	44	%	30-110		1	11/22/13 13:15	11/26/13 20:28	321-60-8	
Terphenyl-d14 (S)	49	%	28-110		1	11/22/13 13:15	11/26/13 20:28	1718-51-0	
Phenol-d6 (S)	41	%	22-110		1	11/22/13 13:15	11/26/13 20:28	13127-88-3	
2-Fluorophenol (S)	40	%	13-110		1	11/22/13 13:15	11/26/13 20:28	367-12-4	
2,4,6-Tribromophenol (S)	39	%	27-110		1	11/22/13 13:15	11/26/13 20:28	118-79-6	
Nitrobenzene-d5 (S)	42	%	23-110		1	11/22/13 13:15	11/26/13 20:28	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.3	1.8	1	11/22/13 10:30	11/27/13 15:01	83-32-9	
Acenaphthylene	ND	ug/kg	12.3	1.6	1	11/22/13 10:30	11/27/13 15:01	208-96-8	
Anthracene	ND	ug/kg	12.3	1.7	1	11/22/13 10:30	11/27/13 15:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.3	0.87	1	11/22/13 10:30	11/27/13 15:01	56-55-3	
Benzo(a)pyrene	**2.8J**	ug/kg	12.3	1.4	1	11/22/13 10:30	11/27/13 15:01	50-32-8	
Benzo(b)fluoranthene	**2.7J**	ug/kg	12.3	0.83	1	11/22/13 10:30	11/27/13 15:01	205-99-2	
Benzo(g,h,i)perylene	**4.1J**	ug/kg	12.3	3.2	1	11/22/13 10:30	11/27/13 15:01	191-24-2	
Benzo(k)fluoranthene	**3.3J**	ug/kg	12.3	1.8	1	11/22/13 10:30	11/27/13 15:01	207-08-9	
Chrysene	ND	ug/kg	12.3	2.2	1	11/22/13 10:30	11/27/13 15:01	218-01-9	
Dibenz(a,h)anthracene	**4.1J**	ug/kg	12.3	2.2	1	11/22/13 10:30	11/27/13 15:01	53-70-3	
Fluoranthene	ND	ug/kg	12.3	1.0	1	11/22/13 10:30	11/27/13 15:01	206-44-0	
Fluorene	ND	ug/kg	12.3	2.0	1	11/22/13 10:30	11/27/13 15:01	86-73-7	
Indeno(1,2,3-cd)pyrene	**4.1J**	ug/kg	12.3	3.5	1	11/22/13 10:30	11/27/13 15:01	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.3	1.5	1	11/22/13 10:30	11/27/13 15:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.3	1.4	1	11/22/13 10:30	11/27/13 15:01	91-57-6	
Naphthalene	ND	ug/kg	12.3	2.8	1	11/22/13 10:30	11/27/13 15:01	91-20-3	
Phenanthrene	ND	ug/kg	12.3	1.8	1	11/22/13 10:30	11/27/13 15:01	85-01-8	
Pyrene	ND	ug/kg	12.3	2.2	1	11/22/13 10:30	11/27/13 15:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	73	%	10-128		1	11/22/13 10:30	11/27/13 15:01	4165-60-0	
2-Fluorobiphenyl (S)	75	%	10-110		1	11/22/13 10:30	11/27/13 15:01	321-60-8	
Terphenyl-d14 (S)	85	%	39-119		1	11/22/13 10:30	11/27/13 15:01	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**184**	ug/kg	99.7	10	1		11/29/13 22:16	67-64-1	A+
Benzene	ND	ug/kg	5.0	1.6	1		11/29/13 22:16	71-43-2	
Bromochloromethane	ND	ug/kg	5.0	1.7	1		11/29/13 22:16	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1.9	1		11/29/13 22:16	75-27-4	
Bromoform	ND	ug/kg	5.0	2.3	1		11/29/13 22:16	75-25-2	
Bromomethane	ND	ug/kg	10	2.5	1		11/29/13 22:16	74-83-9	
2-Butanone (MEK)	ND	ug/kg	99.7	2.9	1		11/29/13 22:16	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-208-4-5 **Lab ID: 92180392032** Collected: 11/20/13 11:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10	3.0	1		11/29/13 22:16	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	2.6	1		11/29/13 22:16	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1.9	1		11/29/13 22:16	108-90-7	
Chloroethane	ND	ug/kg	10	2.4	1		11/29/13 22:16	75-00-3	
Chloroform	ND	ug/kg	5.0	1.6	1		11/29/13 22:16	67-66-3	
Chloromethane	ND	ug/kg	10	2.4	1		11/29/13 22:16	74-87-3	
Cyclohexane	ND	ug/kg	5.0	1.6	1		11/29/13 22:16	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	3.6	1		11/29/13 22:16	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1.8	1		11/29/13 22:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1.8	1		11/29/13 22:16	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1.9	1		11/29/13 22:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	2.0	1		11/29/13 22:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1.7	1		11/29/13 22:16	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10	3.6	1		11/29/13 22:16	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1.5	1		11/29/13 22:16	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	2.2	1		11/29/13 22:16	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1.8	1		11/29/13 22:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1.4	1		11/29/13 22:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1.9	1		11/29/13 22:16	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1.7	1		11/29/13 22:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1.8	1		11/29/13 22:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1.5	1		11/29/13 22:16	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	150	120	1		11/29/13 22:16	123-91-1	
Ethylbenzene	ND	ug/kg	5.0	1.8	1		11/29/13 22:16	100-41-4	
2-Hexanone	ND	ug/kg	49.9	3.9	1		11/29/13 22:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1.9	1		11/29/13 22:16	98-82-8	
Methyl acetate	ND	ug/kg	10	1.4	1		11/29/13 22:16	79-20-9	
Methylcyclohexane	ND	ug/kg	10	1.5	1		11/29/13 22:16	108-87-2	
Methylene Chloride	ND	ug/kg	19.9	3.0	1		11/29/13 22:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	49.9	3.7	1		11/29/13 22:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1.5	1		11/29/13 22:16	1634-04-4	
Styrene	ND	ug/kg	5.0	1.8	1		11/29/13 22:16	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1.9	1		11/29/13 22:16	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1.7	1		11/29/13 22:16	127-18-4	
Toluene	ND	ug/kg	5.0	1.8	1		11/29/13 22:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	2.2	1		11/29/13 22:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1.6	1		11/29/13 22:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1.8	1		11/29/13 22:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	2.1	1		11/29/13 22:16	79-00-5	
Trichloroethene	**2.6J**	ug/kg	5.0	2.1	1		11/29/13 22:16	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	2.2	1		11/29/13 22:16	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.0	1.9	1		11/29/13 22:16	76-13-1	
Vinyl chloride	ND	ug/kg	10	1.8	1		11/29/13 22:16	75-01-4	
m&p-Xylene	ND	ug/kg	10	3.6	1		11/29/13 22:16	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1.9	1		11/29/13 22:16	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-208-4-5 **Lab ID: 92180392032** Collected: 11/20/13 11:00 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		11/29/13 22:16	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		11/29/13 22:16	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-132		1		11/29/13 22:16	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.9**	%	0.10	0.10	1		12/02/13 17:07		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-208-12-13 **Lab ID: 92180392033** Collected: 11/20/13 11:30 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	439	226	1	11/22/13 13:15	11/26/13 20:56	98-86-2	
Atrazine	ND	ug/kg	879	173	1	11/22/13 13:15	11/26/13 20:56	1912-24-9	
Benzaldehyde	ND	ug/kg	879	439	1	11/22/13 13:15	11/26/13 20:56	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	439	138	1	11/22/13 13:15	11/26/13 20:56	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	439	79.9	1	11/22/13 13:15	11/26/13 20:56	101-55-3	
Butylbenzylphthalate	ND	ug/kg	439	93.2	1	11/22/13 13:15	11/26/13 20:56	85-68-7	
Caprolactam	ND	ug/kg	439	75.9	1	11/22/13 13:15	11/26/13 20:56	105-60-2	
Carbazole	ND	ug/kg	439	83.9	1	11/22/13 13:15	11/26/13 20:56	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	879	90.6	1	11/22/13 13:15	11/26/13 20:56	59-50-7	
4-Chloroaniline	ND	ug/kg	2200	123	1	11/22/13 13:15	11/26/13 20:56	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	439	103	1	11/22/13 13:15	11/26/13 20:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	439	112	1	11/22/13 13:15	11/26/13 20:56	111-44-4	
2-Chloronaphthalene	ND	ug/kg	439	86.6	1	11/22/13 13:15	11/26/13 20:56	91-58-7	
2-Chlorophenol	ND	ug/kg	439	120	1	11/22/13 13:15	11/26/13 20:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	439	90.6	1	11/22/13 13:15	11/26/13 20:56	7005-72-3	
Dibenzofuran	ND	ug/kg	439	71.9	1	11/22/13 13:15	11/26/13 20:56	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2200	95.9	1	11/22/13 13:15	11/26/13 20:56	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	439	95.9	1	11/22/13 13:15	11/26/13 20:56	120-83-2	
Diethylphthalate	ND	ug/kg	439	67.9	1	11/22/13 13:15	11/26/13 20:56	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	439	173	1	11/22/13 13:15	11/26/13 20:56	105-67-9	
Dimethylphthalate	ND	ug/kg	439	89.2	1	11/22/13 13:15	11/26/13 20:56	131-11-3	
Di-n-butylphthalate	ND	ug/kg	439	71.9	1	11/22/13 13:15	11/26/13 20:56	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	879	87.9	1	11/22/13 13:15	11/26/13 20:56	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2200	71.9	1	11/22/13 13:15	11/26/13 20:56	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	439	82.6	1	11/22/13 13:15	11/26/13 20:56	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	439	91.9	1	11/22/13 13:15	11/26/13 20:56	606-20-2	
Di-n-octylphthalate	ND	ug/kg	439	91.9	1	11/22/13 13:15	11/26/13 20:56	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	439	120	1	11/22/13 13:15	11/26/13 20:56	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	439	75.9	1	11/22/13 13:15	11/26/13 20:56	87-68-3	
Hexachlorobenzene	ND	ug/kg	439	55.9	1	11/22/13 13:15	11/26/13 20:56	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	439	81.2	1	11/22/13 13:15	11/26/13 20:56	77-47-4	
Hexachloroethane	ND	ug/kg	439	116	1	11/22/13 13:15	11/26/13 20:56	67-72-1	
Isophorone	ND	ug/kg	439	98.5	1	11/22/13 13:15	11/26/13 20:56	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	439	133	1	11/22/13 13:15	11/26/13 20:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	439	173	1	11/22/13 13:15	11/26/13 20:56		
2-Nitroaniline	ND	ug/kg	2200	136	1	11/22/13 13:15	11/26/13 20:56	88-74-4	
3-Nitroaniline	ND	ug/kg	2200	120	1	11/22/13 13:15	11/26/13 20:56	99-09-2	
4-Nitroaniline	ND	ug/kg	879	124	1	11/22/13 13:15	11/26/13 20:56	100-01-6	
Nitrobenzene	ND	ug/kg	439	120	1	11/22/13 13:15	11/26/13 20:56	98-95-3	
2-Nitrophenol	ND	ug/kg	439	107	1	11/22/13 13:15	11/26/13 20:56	88-75-5	
4-Nitrophenol	ND	ug/kg	2200	78.6	1	11/22/13 13:15	11/26/13 20:56	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	439	83.9	1	11/22/13 13:15	11/26/13 20:56	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	439	131	1	11/22/13 13:15	11/26/13 20:56	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	439	117	1	11/22/13 13:15	11/26/13 20:56	108-60-1	
Pentachlorophenol	ND	ug/kg	2200	79.9	1	11/22/13 13:15	11/26/13 20:56	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-208-12-13 **Lab ID: 92180392033** Collected: 11/20/13 11:30 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	439	132	1	11/22/13 13:15	11/26/13 20:56	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	439	160	1	11/22/13 13:15	11/26/13 20:56	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	439	173	1	11/22/13 13:15	11/26/13 20:56	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	439	136	1	11/22/13 13:15	11/26/13 20:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	439	97.2	1	11/22/13 13:15	11/26/13 20:56	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	55	%	30-110		1	11/22/13 13:15	11/26/13 20:56	321-60-8	
Terphenyl-d14 (S)	58	%	28-110		1	11/22/13 13:15	11/26/13 20:56	1718-51-0	
Phenol-d6 (S)	44	%	22-110		1	11/22/13 13:15	11/26/13 20:56	13127-88-3	
2-Fluorophenol (S)	44	%	13-110		1	11/22/13 13:15	11/26/13 20:56	367-12-4	
2,4,6-Tribromophenol (S)	43	%	27-110		1	11/22/13 13:15	11/26/13 20:56	118-79-6	
Nitrobenzene-d5 (S)	56	%	23-110		1	11/22/13 13:15	11/26/13 20:56	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	13.3	2.0	1	11/22/13 10:30	11/27/13 15:21	83-32-9	
Acenaphthylene	ND	ug/kg	13.3	1.7	1	11/22/13 10:30	11/27/13 15:21	208-96-8	
Anthracene	ND	ug/kg	13.3	1.9	1	11/22/13 10:30	11/27/13 15:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	13.3	0.95	1	11/22/13 10:30	11/27/13 15:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	13.3	1.5	1	11/22/13 10:30	11/27/13 15:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	13.3	0.89	1	11/22/13 10:30	11/27/13 15:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	13.3	3.5	1	11/22/13 10:30	11/27/13 15:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	13.3	2.0	1	11/22/13 10:30	11/27/13 15:21	207-08-9	
Chrysene	ND	ug/kg	13.3	2.4	1	11/22/13 10:30	11/27/13 15:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	13.3	2.4	1	11/22/13 10:30	11/27/13 15:21	53-70-3	
Fluoranthene	ND	ug/kg	13.3	1.1	1	11/22/13 10:30	11/27/13 15:21	206-44-0	
Fluorene	ND	ug/kg	13.3	2.1	1	11/22/13 10:30	11/27/13 15:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	13.3	3.7	1	11/22/13 10:30	11/27/13 15:21	193-39-5	
1-Methylnaphthalene	ND	ug/kg	13.3	1.6	1	11/22/13 10:30	11/27/13 15:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	13.3	1.5	1	11/22/13 10:30	11/27/13 15:21	91-57-6	
Naphthalene	ND	ug/kg	13.3	3.1	1	11/22/13 10:30	11/27/13 15:21	91-20-3	
Phenanthrene	ND	ug/kg	13.3	2.0	1	11/22/13 10:30	11/27/13 15:21	85-01-8	
Pyrene	ND	ug/kg	13.3	2.4	1	11/22/13 10:30	11/27/13 15:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	34	%	10-128		1	11/22/13 10:30	11/27/13 15:21	4165-60-0	
2-Fluorobiphenyl (S)	37	%	10-110		1	11/22/13 10:30	11/27/13 15:21	321-60-8	
Terphenyl-d14 (S)	69	%	39-119		1	11/22/13 10:30	11/27/13 15:21	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**91.7J**	ug/kg	101	10.1	1		11/29/13 22:36	67-64-1	
Benzene	ND	ug/kg	5.0	1.6	1		11/29/13 22:36	71-43-2	
Bromochloromethane	ND	ug/kg	5.0	1.7	1		11/29/13 22:36	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1.9	1		11/29/13 22:36	75-27-4	
Bromoform	ND	ug/kg	5.0	2.3	1		11/29/13 22:36	75-25-2	
Bromomethane	ND	ug/kg	10.1	2.5	1		11/29/13 22:36	74-83-9	
2-Butanone (MEK)	ND	ug/kg	101	2.9	1		11/29/13 22:36	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-208-12-13 **Lab ID: 92180392033** Collected: 11/20/13 11:30 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.1	3.0	1		11/29/13 22:36	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	2.6	1		11/29/13 22:36	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1.9	1		11/29/13 22:36	108-90-7	
Chloroethane	ND	ug/kg	10.1	2.4	1		11/29/13 22:36	75-00-3	
Chloroform	ND	ug/kg	5.0	1.6	1		11/29/13 22:36	67-66-3	
Chloromethane	ND	ug/kg	10.1	2.4	1		11/29/13 22:36	74-87-3	
Cyclohexane	ND	ug/kg	5.0	1.6	1		11/29/13 22:36	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	3.6	1		11/29/13 22:36	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1.8	1		11/29/13 22:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1.8	1		11/29/13 22:36	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1.9	1		11/29/13 22:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	2.0	1		11/29/13 22:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1.7	1		11/29/13 22:36	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.1	3.6	1		11/29/13 22:36	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1.5	1		11/29/13 22:36	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	2.2	1		11/29/13 22:36	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1.8	1		11/29/13 22:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1.4	1		11/29/13 22:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1.9	1		11/29/13 22:36	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1.7	1		11/29/13 22:36	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1.8	1		11/29/13 22:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1.5	1		11/29/13 22:36	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	151	121	1		11/29/13 22:36	123-91-1	
Ethylbenzene	ND	ug/kg	5.0	1.8	1		11/29/13 22:36	100-41-4	
2-Hexanone	ND	ug/kg	50.3	3.9	1		11/29/13 22:36	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1.9	1		11/29/13 22:36	98-82-8	
Methyl acetate	**16.8**	ug/kg	10.1	1.4	1		11/29/13 22:36	79-20-9	
Methylcyclohexane	ND	ug/kg	10.1	1.5	1		11/29/13 22:36	108-87-2	
Methylene Chloride	ND	ug/kg	20.1	3.0	1		11/29/13 22:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.3	3.7	1		11/29/13 22:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1.5	1		11/29/13 22:36	1634-04-4	
Styrene	ND	ug/kg	5.0	1.8	1		11/29/13 22:36	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1.9	1		11/29/13 22:36	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1.7	1		11/29/13 22:36	127-18-4	
Toluene	ND	ug/kg	5.0	1.8	1		11/29/13 22:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	2.2	1		11/29/13 22:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1.6	1		11/29/13 22:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1.8	1		11/29/13 22:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	2.1	1		11/29/13 22:36	79-00-5	
Trichloroethene	ND	ug/kg	5.0	2.1	1		11/29/13 22:36	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	2.2	1		11/29/13 22:36	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.0	1.9	1		11/29/13 22:36	76-13-1	
Vinyl chloride	ND	ug/kg	10.1	1.8	1		11/29/13 22:36	75-01-4	
m&p-Xylene	ND	ug/kg	10.1	3.6	1		11/29/13 22:36	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1.9	1		11/29/13 22:36	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-208-12-13 **Lab ID: 92180392033** Collected: 11/20/13 11:30 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		11/29/13 22:36	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		1		11/29/13 22:36	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-132		1		11/29/13 22:36	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**24.9**	%	0.10	0.10	1		12/02/13 17:04		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-208-7-9 **Lab ID: 92180392034** Collected: 11/20/13 11:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	395	204	1	11/22/13 13:15	11/26/13 21:24	98-86-2	
Atrazine	ND	ug/kg	791	156	1	11/22/13 13:15	11/26/13 21:24	1912-24-9	
Benzaldehyde	ND	ug/kg	791	395	1	11/22/13 13:15	11/26/13 21:24	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	395	125	1	11/22/13 13:15	11/26/13 21:24	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	395	71.9	1	11/22/13 13:15	11/26/13 21:24	101-55-3	
Butylbenzylphthalate	ND	ug/kg	395	83.9	1	11/22/13 13:15	11/26/13 21:24	85-68-7	
Caprolactam	ND	ug/kg	395	68.3	1	11/22/13 13:15	11/26/13 21:24	105-60-2	
Carbazole	ND	ug/kg	395	75.5	1	11/22/13 13:15	11/26/13 21:24	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	791	81.5	1	11/22/13 13:15	11/26/13 21:24	59-50-7	
4-Chloroaniline	ND	ug/kg	1980	110	1	11/22/13 13:15	11/26/13 21:24	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	395	92.3	1	11/22/13 13:15	11/26/13 21:24	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	395	101	1	11/22/13 13:15	11/26/13 21:24	111-44-4	
2-Chloronaphthalene	ND	ug/kg	395	77.9	1	11/22/13 13:15	11/26/13 21:24	91-58-7	
2-Chlorophenol	ND	ug/kg	395	108	1	11/22/13 13:15	11/26/13 21:24	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	395	81.5	1	11/22/13 13:15	11/26/13 21:24	7005-72-3	
Dibenzofuran	ND	ug/kg	395	64.7	1	11/22/13 13:15	11/26/13 21:24	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1980	86.3	1	11/22/13 13:15	11/26/13 21:24	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	395	86.3	1	11/22/13 13:15	11/26/13 21:24	120-83-2	
Diethylphthalate	ND	ug/kg	395	61.1	1	11/22/13 13:15	11/26/13 21:24	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	395	156	1	11/22/13 13:15	11/26/13 21:24	105-67-9	
Dimethylphthalate	ND	ug/kg	395	80.3	1	11/22/13 13:15	11/26/13 21:24	131-11-3	
Di-n-butylphthalate	ND	ug/kg	395	64.7	1	11/22/13 13:15	11/26/13 21:24	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	791	79.1	1	11/22/13 13:15	11/26/13 21:24	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1980	64.7	1	11/22/13 13:15	11/26/13 21:24	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	395	74.3	1	11/22/13 13:15	11/26/13 21:24	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	395	82.7	1	11/22/13 13:15	11/26/13 21:24	606-20-2	
Di-n-octylphthalate	ND	ug/kg	395	82.7	1	11/22/13 13:15	11/26/13 21:24	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	395	108	1	11/22/13 13:15	11/26/13 21:24	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	395	68.3	1	11/22/13 13:15	11/26/13 21:24	87-68-3	
Hexachlorobenzene	ND	ug/kg	395	50.3	1	11/22/13 13:15	11/26/13 21:24	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	395	73.1	1	11/22/13 13:15	11/26/13 21:24	77-47-4	
Hexachloroethane	ND	ug/kg	395	104	1	11/22/13 13:15	11/26/13 21:24	67-72-1	
Isophorone	ND	ug/kg	395	88.7	1	11/22/13 13:15	11/26/13 21:24	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	395	120	1	11/22/13 13:15	11/26/13 21:24	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	395	156	1	11/22/13 13:15	11/26/13 21:24		
2-Nitroaniline	ND	ug/kg	1980	122	1	11/22/13 13:15	11/26/13 21:24	88-74-4	
3-Nitroaniline	ND	ug/kg	1980	108	1	11/22/13 13:15	11/26/13 21:24	99-09-2	
4-Nitroaniline	ND	ug/kg	791	111	1	11/22/13 13:15	11/26/13 21:24	100-01-6	
Nitrobenzene	ND	ug/kg	395	108	1	11/22/13 13:15	11/26/13 21:24	98-95-3	
2-Nitrophenol	ND	ug/kg	395	95.9	1	11/22/13 13:15	11/26/13 21:24	88-75-5	
4-Nitrophenol	ND	ug/kg	1980	70.7	1	11/22/13 13:15	11/26/13 21:24	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	395	75.5	1	11/22/13 13:15	11/26/13 21:24	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	395	117	1	11/22/13 13:15	11/26/13 21:24	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	395	105	1	11/22/13 13:15	11/26/13 21:24	108-60-1	
Pentachlorophenol	ND	ug/kg	1980	71.9	1	11/22/13 13:15	11/26/13 21:24	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-208-7-9 **Lab ID: 92180392034** Collected: 11/20/13 11:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	395	119	1	11/22/13 13:15	11/26/13 21:24	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	395	144	1	11/22/13 13:15	11/26/13 21:24	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	395	156	1	11/22/13 13:15	11/26/13 21:24	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	395	122	1	11/22/13 13:15	11/26/13 21:24	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	395	87.5	1	11/22/13 13:15	11/26/13 21:24	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	47	%	30-110		1	11/22/13 13:15	11/26/13 21:24	321-60-8	
Terphenyl-d14 (S)	47	%	28-110		1	11/22/13 13:15	11/26/13 21:24	1718-51-0	
Phenol-d6 (S)	38	%	22-110		1	11/22/13 13:15	11/26/13 21:24	13127-88-3	
2-Fluorophenol (S)	36	%	13-110		1	11/22/13 13:15	11/26/13 21:24	367-12-4	
2,4,6-Tribromophenol (S)	33	%	27-110		1	11/22/13 13:15	11/26/13 21:24	118-79-6	
Nitrobenzene-d5 (S)	45	%	23-110		1	11/22/13 13:15	11/26/13 21:24	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 15:41	83-32-9	
Acenaphthylene	ND	ug/kg	12.0	1.6	1	11/22/13 10:30	11/27/13 15:41	208-96-8	
Anthracene	ND	ug/kg	12.0	1.7	1	11/22/13 10:30	11/27/13 15:41	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.0	0.85	1	11/22/13 10:30	11/27/13 15:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.0	1.3	1	11/22/13 10:30	11/27/13 15:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.0	0.80	1	11/22/13 10:30	11/27/13 15:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.0	3.1	1	11/22/13 10:30	11/27/13 15:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 15:41	207-08-9	
Chrysene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 15:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 15:41	53-70-3	
Fluoranthene	ND	ug/kg	12.0	0.99	1	11/22/13 10:30	11/27/13 15:41	206-44-0	
Fluorene	ND	ug/kg	12.0	1.9	1	11/22/13 10:30	11/27/13 15:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.0	3.4	1	11/22/13 10:30	11/27/13 15:41	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.0	1.4	1	11/22/13 10:30	11/27/13 15:41	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.0	1.3	1	11/22/13 10:30	11/27/13 15:41	91-57-6	
Naphthalene	ND	ug/kg	12.0	2.8	1	11/22/13 10:30	11/27/13 15:41	91-20-3	
Phenanthrene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 15:41	85-01-8	
Pyrene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 15:41	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	68	%	10-128		1	11/22/13 10:30	11/27/13 15:41	4165-60-0	
2-Fluorobiphenyl (S)	67	%	10-110		1	11/22/13 10:30	11/27/13 15:41	321-60-8	
Terphenyl-d14 (S)	86	%	39-119		1	11/22/13 10:30	11/27/13 15:41	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**106**	ug/kg	102	10.2	1		11/29/13 22:55	67-64-1	A+
Benzene	ND	ug/kg	5.1	1.6	1		11/29/13 22:55	71-43-2	
Bromochloromethane	ND	ug/kg	5.1	1.7	1		11/29/13 22:55	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1.9	1		11/29/13 22:55	75-27-4	
Bromoform	ND	ug/kg	5.1	2.3	1		11/29/13 22:55	75-25-2	
Bromomethane	ND	ug/kg	10.2	2.5	1		11/29/13 22:55	74-83-9	
2-Butanone (MEK)	ND	ug/kg	102	3.0	1		11/29/13 22:55	78-93-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-208-7-9 **Lab ID: 92180392034** Collected: 11/20/13 11:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.2	3.1	1		11/29/13 22:55	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	2.6	1		11/29/13 22:55	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1.9	1		11/29/13 22:55	108-90-7	
Chloroethane	ND	ug/kg	10.2	2.4	1		11/29/13 22:55	75-00-3	
Chloroform	ND	ug/kg	5.1	1.6	1		11/29/13 22:55	67-66-3	
Chloromethane	ND	ug/kg	10.2	2.4	1		11/29/13 22:55	74-87-3	
Cyclohexane	ND	ug/kg	5.1	1.6	1		11/29/13 22:55	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	3.7	1		11/29/13 22:55	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1.8	1		11/29/13 22:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1.8	1		11/29/13 22:55	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1.9	1		11/29/13 22:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	2.0	1		11/29/13 22:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1.7	1		11/29/13 22:55	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.2	3.7	1		11/29/13 22:55	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1.5	1		11/29/13 22:55	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	2.2	1		11/29/13 22:55	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1.8	1		11/29/13 22:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1.4	1		11/29/13 22:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1.9	1		11/29/13 22:55	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1.7	1		11/29/13 22:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1.8	1		11/29/13 22:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1.5	1		11/29/13 22:55	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	153	122	1		11/29/13 22:55	123-91-1	
Ethylbenzene	ND	ug/kg	5.1	1.8	1		11/29/13 22:55	100-41-4	
2-Hexanone	ND	ug/kg	51.0	4.0	1		11/29/13 22:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1.9	1		11/29/13 22:55	98-82-8	
Methyl acetate	ND	ug/kg	10.2	1.4	1		11/29/13 22:55	79-20-9	
Methylcyclohexane	ND	ug/kg	10.2	1.5	1		11/29/13 22:55	108-87-2	
Methylene Chloride	ND	ug/kg	20.4	3.1	1		11/29/13 22:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	51.0	3.8	1		11/29/13 22:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1.5	1		11/29/13 22:55	1634-04-4	
Styrene	ND	ug/kg	5.1	1.8	1		11/29/13 22:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1.9	1		11/29/13 22:55	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1.7	1		11/29/13 22:55	127-18-4	
Toluene	ND	ug/kg	5.1	1.8	1		11/29/13 22:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	2.2	1		11/29/13 22:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1.6	1		11/29/13 22:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1.8	1		11/29/13 22:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	2.1	1		11/29/13 22:55	79-00-5	
Trichloroethene	ND	ug/kg	5.1	2.1	1		11/29/13 22:55	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	2.2	1		11/29/13 22:55	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.1	1.9	1		11/29/13 22:55	76-13-1	
Vinyl chloride	ND	ug/kg	10.2	1.8	1		11/29/13 22:55	75-01-4	
m&p-Xylene	ND	ug/kg	10.2	3.7	1		11/29/13 22:55	179601-23-1	
o-Xylene	ND	ug/kg	5.1	1.9	1		11/29/13 22:55	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-208-7-9 **Lab ID: 92180392034** Collected: 11/20/13 11:15 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		11/29/13 22:55	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1		11/29/13 22:55	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-132		1		11/29/13 22:55	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.6**	%	0.10	0.10	1		12/02/13 17:04		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-12-2-3 **Lab ID: 92180392035** Collected: 11/20/13 14:25 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	367	189	1	11/22/13 13:15	11/26/13 21:52	98-86-2	
Atrazine	ND	ug/kg	734	145	1	11/22/13 13:15	11/26/13 21:52	1912-24-9	
Benzaldehyde	ND	ug/kg	734	367	1	11/22/13 13:15	11/26/13 21:52	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	367	116	1	11/22/13 13:15	11/26/13 21:52	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	367	66.7	1	11/22/13 13:15	11/26/13 21:52	101-55-3	
Butylbenzylphthalate	ND	ug/kg	367	77.8	1	11/22/13 13:15	11/26/13 21:52	85-68-7	
Caprolactam	ND	ug/kg	367	63.4	1	11/22/13 13:15	11/26/13 21:52	105-60-2	
Carbazole	ND	ug/kg	367	70.1	1	11/22/13 13:15	11/26/13 21:52	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	734	75.6	1	11/22/13 13:15	11/26/13 21:52	59-50-7	
4-Chloroaniline	ND	ug/kg	1830	102	1	11/22/13 13:15	11/26/13 21:52	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	367	85.6	1	11/22/13 13:15	11/26/13 21:52	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	367	93.4	1	11/22/13 13:15	11/26/13 21:52	111-44-4	
2-Chloronaphthalene	ND	ug/kg	367	72.3	1	11/22/13 13:15	11/26/13 21:52	91-58-7	
2-Chlorophenol	ND	ug/kg	367	100	1	11/22/13 13:15	11/26/13 21:52	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	367	75.6	1	11/22/13 13:15	11/26/13 21:52	7005-72-3	
Dibenzofuran	ND	ug/kg	367	60.1	1	11/22/13 13:15	11/26/13 21:52	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1830	80.1	1	11/22/13 13:15	11/26/13 21:52	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	367	80.1	1	11/22/13 13:15	11/26/13 21:52	120-83-2	
Diethylphthalate	ND	ug/kg	367	56.7	1	11/22/13 13:15	11/26/13 21:52	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	367	145	1	11/22/13 13:15	11/26/13 21:52	105-67-9	
Dimethylphthalate	ND	ug/kg	367	74.5	1	11/22/13 13:15	11/26/13 21:52	131-11-3	
Di-n-butylphthalate	ND	ug/kg	367	60.1	1	11/22/13 13:15	11/26/13 21:52	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	734	73.4	1	11/22/13 13:15	11/26/13 21:52	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1830	60.1	1	11/22/13 13:15	11/26/13 21:52	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	367	69.0	1	11/22/13 13:15	11/26/13 21:52	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	367	76.7	1	11/22/13 13:15	11/26/13 21:52	606-20-2	
Di-n-octylphthalate	ND	ug/kg	367	76.7	1	11/22/13 13:15	11/26/13 21:52	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	367	100	1	11/22/13 13:15	11/26/13 21:52	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	367	63.4	1	11/22/13 13:15	11/26/13 21:52	87-68-3	
Hexachlorobenzene	ND	ug/kg	367	46.7	1	11/22/13 13:15	11/26/13 21:52	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	367	67.8	1	11/22/13 13:15	11/26/13 21:52	77-47-4	
Hexachloroethane	ND	ug/kg	367	96.8	1	11/22/13 13:15	11/26/13 21:52	67-72-1	
Isophorone	ND	ug/kg	367	82.3	1	11/22/13 13:15	11/26/13 21:52	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	367	111	1	11/22/13 13:15	11/26/13 21:52	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	367	145	1	11/22/13 13:15	11/26/13 21:52		
2-Nitroaniline	ND	ug/kg	1830	113	1	11/22/13 13:15	11/26/13 21:52	88-74-4	
3-Nitroaniline	ND	ug/kg	1830	100	1	11/22/13 13:15	11/26/13 21:52	99-09-2	
4-Nitroaniline	ND	ug/kg	734	103	1	11/22/13 13:15	11/26/13 21:52	100-01-6	
Nitrobenzene	ND	ug/kg	367	100	1	11/22/13 13:15	11/26/13 21:52	98-95-3	
2-Nitrophenol	ND	ug/kg	367	89.0	1	11/22/13 13:15	11/26/13 21:52	88-75-5	
4-Nitrophenol	ND	ug/kg	1830	65.6	1	11/22/13 13:15	11/26/13 21:52	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	367	70.1	1	11/22/13 13:15	11/26/13 21:52	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	367	109	1	11/22/13 13:15	11/26/13 21:52	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	367	97.9	1	11/22/13 13:15	11/26/13 21:52	108-60-1	
Pentachlorophenol	ND	ug/kg	1830	66.7	1	11/22/13 13:15	11/26/13 21:52	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-12-2-3 **Lab ID: 92180392035** Collected: 11/20/13 14:25 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	367	110	1	11/22/13 13:15	11/26/13 21:52	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	367	133	1	11/22/13 13:15	11/26/13 21:52	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	367	145	1	11/22/13 13:15	11/26/13 21:52	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	367	113	1	11/22/13 13:15	11/26/13 21:52	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	367	81.2	1	11/22/13 13:15	11/26/13 21:52	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	31	%	30-110		1	11/22/13 13:15	11/26/13 21:52	321-60-8	
Terphenyl-d14 (S)	34	%	28-110		1	11/22/13 13:15	11/26/13 21:52	1718-51-0	
Phenol-d6 (S)	32	%	22-110		1	11/22/13 13:15	11/26/13 21:52	13127-88-3	
2-Fluorophenol (S)	33	%	13-110		1	11/22/13 13:15	11/26/13 21:52	367-12-4	
2,4,6-Tribromophenol (S)	29	%	27-110		1	11/22/13 13:15	11/26/13 21:52	118-79-6	
Nitrobenzene-d5 (S)	30	%	23-110		1	11/22/13 13:15	11/26/13 21:52	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.1	1.7	1	11/22/13 10:30	11/27/13 16:41	83-32-9	
Acenaphthylene	ND	ug/kg	11.1	1.4	1	11/22/13 10:30	11/27/13 16:41	208-96-8	
Anthracene	ND	ug/kg	11.1	1.6	1	11/22/13 10:30	11/27/13 16:41	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.1	0.79	1	11/22/13 10:30	11/27/13 16:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.1	1.2	1	11/22/13 10:30	11/27/13 16:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.1	0.75	1	11/22/13 10:30	11/27/13 16:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.1	2.9	1	11/22/13 10:30	11/27/13 16:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.1	1.7	1	11/22/13 10:30	11/27/13 16:41	207-08-9	
Chrysene	ND	ug/kg	11.1	2.0	1	11/22/13 10:30	11/27/13 16:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.1	2.0	1	11/22/13 10:30	11/27/13 16:41	53-70-3	
Fluoranthene	ND	ug/kg	11.1	0.92	1	11/22/13 10:30	11/27/13 16:41	206-44-0	
Fluorene	ND	ug/kg	11.1	1.8	1	11/22/13 10:30	11/27/13 16:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.1	3.1	1	11/22/13 10:30	11/27/13 16:41	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.1	1.3	1	11/22/13 10:30	11/27/13 16:41	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.1	1.2	1	11/22/13 10:30	11/27/13 16:41	91-57-6	
Naphthalene	ND	ug/kg	11.1	2.6	1	11/22/13 10:30	11/27/13 16:41	91-20-3	
Phenanthrene	ND	ug/kg	11.1	1.7	1	11/22/13 10:30	11/27/13 16:41	85-01-8	
Pyrene	ND	ug/kg	11.1	2.0	1	11/22/13 10:30	11/27/13 16:41	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	64	%	10-128		1	11/22/13 10:30	11/27/13 16:41	4165-60-0	
2-Fluorobiphenyl (S)	64	%	10-110		1	11/22/13 10:30	11/27/13 16:41	321-60-8	
Terphenyl-d14 (S)	76	%	39-119		1	11/22/13 10:30	11/27/13 16:41	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**128**	ug/kg	97.6	9.8	1		11/29/13 23:15	67-64-1	A+
Benzene	ND	ug/kg	4.9	1.6	1		11/29/13 23:15	71-43-2	
Bromochloromethane	ND	ug/kg	4.9	1.7	1		11/29/13 23:15	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1.9	1		11/29/13 23:15	75-27-4	
Bromoform	ND	ug/kg	4.9	2.2	1		11/29/13 23:15	75-25-2	
Bromomethane	ND	ug/kg	9.8	2.4	1		11/29/13 23:15	74-83-9	
2-Butanone (MEK)	ND	ug/kg	97.6	2.8	1		11/29/13 23:15	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-12-2-3 **Lab ID: 92180392035** Collected: 11/20/13 14:25 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	9.8	2.9	1		11/29/13 23:15	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	2.5	1		11/29/13 23:15	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1.9	1		11/29/13 23:15	108-90-7	
Chloroethane	ND	ug/kg	9.8	2.3	1		11/29/13 23:15	75-00-3	
Chloroform	ND	ug/kg	4.9	1.6	1		11/29/13 23:15	67-66-3	
Chloromethane	ND	ug/kg	9.8	2.3	1		11/29/13 23:15	74-87-3	
Cyclohexane	ND	ug/kg	4.9	1.6	1		11/29/13 23:15	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	3.5	1		11/29/13 23:15	96-12-8	
Dibromochloromethane	ND	ug/kg	4.9	1.8	1		11/29/13 23:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1.8	1		11/29/13 23:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1.9	1		11/29/13 23:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	2.0	1		11/29/13 23:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1.7	1		11/29/13 23:15	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.8	3.5	1		11/29/13 23:15	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1.5	1		11/29/13 23:15	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	2.1	1		11/29/13 23:15	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1.8	1		11/29/13 23:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1.4	1		11/29/13 23:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1.9	1		11/29/13 23:15	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1.7	1		11/29/13 23:15	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1.8	1		11/29/13 23:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1.5	1		11/29/13 23:15	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	146	117	1		11/29/13 23:15	123-91-1	
Ethylbenzene	ND	ug/kg	4.9	1.8	1		11/29/13 23:15	100-41-4	
2-Hexanone	ND	ug/kg	48.8	3.8	1		11/29/13 23:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1.9	1		11/29/13 23:15	98-82-8	
Methyl acetate	ND	ug/kg	9.8	1.4	1		11/29/13 23:15	79-20-9	
Methylcyclohexane	ND	ug/kg	9.8	1.5	1		11/29/13 23:15	108-87-2	
Methylene Chloride	ND	ug/kg	19.5	2.9	1		11/29/13 23:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	48.8	3.6	1		11/29/13 23:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1.5	1		11/29/13 23:15	1634-04-4	
Styrene	ND	ug/kg	4.9	1.8	1		11/29/13 23:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1.9	1		11/29/13 23:15	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1.7	1		11/29/13 23:15	127-18-4	
Toluene	ND	ug/kg	4.9	1.8	1		11/29/13 23:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	2.1	1		11/29/13 23:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1.6	1		11/29/13 23:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1.8	1		11/29/13 23:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	2.0	1		11/29/13 23:15	79-00-5	
Trichloroethene	ND	ug/kg	4.9	2.0	1		11/29/13 23:15	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	2.1	1		11/29/13 23:15	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.9	1.9	1		11/29/13 23:15	76-13-1	
Vinyl chloride	ND	ug/kg	9.8	1.8	1		11/29/13 23:15	75-01-4	
m&p-Xylene	ND	ug/kg	9.8	3.5	1		11/29/13 23:15	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1.9	1		11/29/13 23:15	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-12-2-3 **Lab ID: 92180392035** Collected: 11/20/13 14:25 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		11/29/13 23:15	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		11/29/13 23:15	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-132		1		11/29/13 23:15	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.1**	%	0.10	0.10	1		12/02/13 17:04		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-12-9-10 **Lab ID: 92180392036** Collected: 11/20/13 14:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	370	191	1	11/22/13 13:15	11/26/13 22:20	98-86-2	
Atrazine	ND	ug/kg	740	146	1	11/22/13 13:15	11/26/13 22:20	1912-24-9	
Benzaldehyde	ND	ug/kg	740	370	1	11/22/13 13:15	11/26/13 22:20	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	370	117	1	11/22/13 13:15	11/26/13 22:20	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	370	67.3	1	11/22/13 13:15	11/26/13 22:20	101-55-3	
Butylbenzylphthalate	ND	ug/kg	370	78.5	1	11/22/13 13:15	11/26/13 22:20	85-68-7	
Caprolactam	ND	ug/kg	370	63.9	1	11/22/13 13:15	11/26/13 22:20	105-60-2	
Carbazole	ND	ug/kg	370	70.6	1	11/22/13 13:15	11/26/13 22:20	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	740	76.2	1	11/22/13 13:15	11/26/13 22:20	59-50-7	
4-Chloroaniline	ND	ug/kg	1850	103	1	11/22/13 13:15	11/26/13 22:20	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	370	86.3	1	11/22/13 13:15	11/26/13 22:20	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	370	94.2	1	11/22/13 13:15	11/26/13 22:20	111-44-4	
2-Chloronaphthalene	ND	ug/kg	370	72.9	1	11/22/13 13:15	11/26/13 22:20	91-58-7	
2-Chlorophenol	ND	ug/kg	370	101	1	11/22/13 13:15	11/26/13 22:20	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	370	76.2	1	11/22/13 13:15	11/26/13 22:20	7005-72-3	
Dibenzofuran	ND	ug/kg	370	60.5	1	11/22/13 13:15	11/26/13 22:20	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1850	80.7	1	11/22/13 13:15	11/26/13 22:20	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	370	80.7	1	11/22/13 13:15	11/26/13 22:20	120-83-2	
Diethylphthalate	ND	ug/kg	370	57.2	1	11/22/13 13:15	11/26/13 22:20	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	370	146	1	11/22/13 13:15	11/26/13 22:20	105-67-9	
Dimethylphthalate	ND	ug/kg	370	75.1	1	11/22/13 13:15	11/26/13 22:20	131-11-3	
Di-n-butylphthalate	ND	ug/kg	370	60.5	1	11/22/13 13:15	11/26/13 22:20	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	740	74.0	1	11/22/13 13:15	11/26/13 22:20	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1850	60.5	1	11/22/13 13:15	11/26/13 22:20	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	370	69.5	1	11/22/13 13:15	11/26/13 22:20	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	370	77.4	1	11/22/13 13:15	11/26/13 22:20	606-20-2	
Di-n-octylphthalate	ND	ug/kg	370	77.4	1	11/22/13 13:15	11/26/13 22:20	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	370	101	1	11/22/13 13:15	11/26/13 22:20	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	370	63.9	1	11/22/13 13:15	11/26/13 22:20	87-68-3	
Hexachlorobenzene	ND	ug/kg	370	47.1	1	11/22/13 13:15	11/26/13 22:20	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	370	68.4	1	11/22/13 13:15	11/26/13 22:20	77-47-4	
Hexachloroethane	ND	ug/kg	370	97.5	1	11/22/13 13:15	11/26/13 22:20	67-72-1	
Isophorone	ND	ug/kg	370	83.0	1	11/22/13 13:15	11/26/13 22:20	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	370	112	1	11/22/13 13:15	11/26/13 22:20	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	370	146	1	11/22/13 13:15	11/26/13 22:20		
2-Nitroaniline	ND	ug/kg	1850	114	1	11/22/13 13:15	11/26/13 22:20	88-74-4	
3-Nitroaniline	ND	ug/kg	1850	101	1	11/22/13 13:15	11/26/13 22:20	99-09-2	
4-Nitroaniline	ND	ug/kg	740	104	1	11/22/13 13:15	11/26/13 22:20	100-01-6	
Nitrobenzene	ND	ug/kg	370	101	1	11/22/13 13:15	11/26/13 22:20	98-95-3	
2-Nitrophenol	ND	ug/kg	370	89.7	1	11/22/13 13:15	11/26/13 22:20	88-75-5	
4-Nitrophenol	ND	ug/kg	1850	66.1	1	11/22/13 13:15	11/26/13 22:20	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	370	70.6	1	11/22/13 13:15	11/26/13 22:20	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	370	110	1	11/22/13 13:15	11/26/13 22:20	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	370	98.7	1	11/22/13 13:15	11/26/13 22:20	108-60-1	
Pentachlorophenol	ND	ug/kg	1850	67.3	1	11/22/13 13:15	11/26/13 22:20	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-12-9-10 **Lab ID: 92180392036** Collected: 11/20/13 14:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	370	111	1	11/22/13 13:15	11/26/13 22:20	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	370	135	1	11/22/13 13:15	11/26/13 22:20	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	370	146	1	11/22/13 13:15	11/26/13 22:20	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	370	114	1	11/22/13 13:15	11/26/13 22:20	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	370	81.8	1	11/22/13 13:15	11/26/13 22:20	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	35	%	30-110		1	11/22/13 13:15	11/26/13 22:20	321-60-8	
Terphenyl-d14 (S)	40	%	28-110		1	11/22/13 13:15	11/26/13 22:20	1718-51-0	
Phenol-d6 (S)	36	%	22-110		1	11/22/13 13:15	11/26/13 22:20	13127-88-3	
2-Fluorophenol (S)	36	%	13-110		1	11/22/13 13:15	11/26/13 22:20	367-12-4	
2,4,6-Tribromophenol (S)	32	%	27-110		1	11/22/13 13:15	11/26/13 22:20	118-79-6	
Nitrobenzene-d5 (S)	32	%	23-110		1	11/22/13 13:15	11/26/13 22:20	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.2	1.7	1	11/22/13 10:30	11/27/13 17:01	83-32-9	
Acenaphthylene	ND	ug/kg	11.2	1.5	1	11/22/13 10:30	11/27/13 17:01	208-96-8	
Anthracene	ND	ug/kg	11.2	1.6	1	11/22/13 10:30	11/27/13 17:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.2	0.80	1	11/22/13 10:30	11/27/13 17:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.2	1.2	1	11/22/13 10:30	11/27/13 17:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.2	0.75	1	11/22/13 10:30	11/27/13 17:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.2	2.9	1	11/22/13 10:30	11/27/13 17:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.2	1.7	1	11/22/13 10:30	11/27/13 17:01	207-08-9	
Chrysene	ND	ug/kg	11.2	2.0	1	11/22/13 10:30	11/27/13 17:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.2	2.0	1	11/22/13 10:30	11/27/13 17:01	53-70-3	
Fluoranthene	ND	ug/kg	11.2	0.93	1	11/22/13 10:30	11/27/13 17:01	206-44-0	
Fluorene	ND	ug/kg	11.2	1.8	1	11/22/13 10:30	11/27/13 17:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.2	3.1	1	11/22/13 10:30	11/27/13 17:01	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.2	1.3	1	11/22/13 10:30	11/27/13 17:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.2	1.2	1	11/22/13 10:30	11/27/13 17:01	91-57-6	
Naphthalene	ND	ug/kg	11.2	2.6	1	11/22/13 10:30	11/27/13 17:01	91-20-3	
Phenanthrene	ND	ug/kg	11.2	1.7	1	11/22/13 10:30	11/27/13 17:01	85-01-8	
Pyrene	ND	ug/kg	11.2	2.0	1	11/22/13 10:30	11/27/13 17:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	64	%	10-128		1	11/22/13 10:30	11/27/13 17:01	4165-60-0	
2-Fluorobiphenyl (S)	64	%	10-110		1	11/22/13 10:30	11/27/13 17:01	321-60-8	
Terphenyl-d14 (S)	91	%	39-119		1	11/22/13 10:30	11/27/13 17:01	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**219**	ug/kg	109	10.9	1		11/29/13 23:35	67-64-1	A+
Benzene	ND	ug/kg	5.5	1.8	1		11/29/13 23:35	71-43-2	
Bromochloromethane	ND	ug/kg	5.5	1.9	1		11/29/13 23:35	74-97-5	
Bromodichloromethane	ND	ug/kg	5.5	2.1	1		11/29/13 23:35	75-27-4	
Bromoform	ND	ug/kg	5.5	2.5	1		11/29/13 23:35	75-25-2	
Bromomethane	ND	ug/kg	10.9	2.7	1		11/29/13 23:35	74-83-9	
2-Butanone (MEK)	**32.3J**	ug/kg	109	3.2	1		11/29/13 23:35	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-12-9-10 **Lab ID: 92180392036** Collected: 11/20/13 14:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.9	3.3	1		11/29/13 23:35	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.5	2.8	1		11/29/13 23:35	56-23-5	
Chlorobenzene	ND	ug/kg	5.5	2.1	1		11/29/13 23:35	108-90-7	
Chloroethane	ND	ug/kg	10.9	2.6	1		11/29/13 23:35	75-00-3	
Chloroform	ND	ug/kg	5.5	1.8	1		11/29/13 23:35	67-66-3	
Chloromethane	ND	ug/kg	10.9	2.6	1		11/29/13 23:35	74-87-3	
Cyclohexane	ND	ug/kg	5.5	1.8	1		11/29/13 23:35	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.5	3.9	1		11/29/13 23:35	96-12-8	
Dibromochloromethane	ND	ug/kg	5.5	2.0	1		11/29/13 23:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.5	2.0	1		11/29/13 23:35	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.5	2.1	1		11/29/13 23:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.5	2.2	1		11/29/13 23:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.5	1.9	1		11/29/13 23:35	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.9	3.9	1		11/29/13 23:35	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.5	1.6	1		11/29/13 23:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.5	2.4	1		11/29/13 23:35	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.5	2.0	1		11/29/13 23:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.5	1.5	1		11/29/13 23:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.5	2.1	1		11/29/13 23:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.5	1.9	1		11/29/13 23:35	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.5	2.0	1		11/29/13 23:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.5	1.6	1		11/29/13 23:35	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	164	131	1		11/29/13 23:35	123-91-1	
Ethylbenzene	ND	ug/kg	5.5	2.0	1		11/29/13 23:35	100-41-4	
2-Hexanone	ND	ug/kg	54.7	4.3	1		11/29/13 23:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.5	2.1	1		11/29/13 23:35	98-82-8	
Methyl acetate	ND	ug/kg	10.9	1.5	1		11/29/13 23:35	79-20-9	
Methylcyclohexane	ND	ug/kg	10.9	1.6	1		11/29/13 23:35	108-87-2	
Methylene Chloride	ND	ug/kg	21.9	3.3	1		11/29/13 23:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	54.7	4.1	1		11/29/13 23:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.5	1.6	1		11/29/13 23:35	1634-04-4	
Styrene	ND	ug/kg	5.5	2.0	1		11/29/13 23:35	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.5	2.1	1		11/29/13 23:35	79-34-5	
Tetrachloroethene	ND	ug/kg	5.5	1.9	1		11/29/13 23:35	127-18-4	
Toluene	ND	ug/kg	5.5	2.0	1		11/29/13 23:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.5	2.4	1		11/29/13 23:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.5	1.8	1		11/29/13 23:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.5	2.0	1		11/29/13 23:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.5	2.3	1		11/29/13 23:35	79-00-5	
Trichloroethene	ND	ug/kg	5.5	2.3	1		11/29/13 23:35	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.5	2.4	1		11/29/13 23:35	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.5	2.1	1		11/29/13 23:35	76-13-1	
Vinyl chloride	ND	ug/kg	10.9	2.0	1		11/29/13 23:35	75-01-4	
m&p-Xylene	ND	ug/kg	10.9	3.9	1		11/29/13 23:35	179601-23-1	
o-Xylene	ND	ug/kg	5.5	2.1	1		11/29/13 23:35	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-12-9-10 **Lab ID: 92180392036** Collected: 11/20/13 14:35 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/29/13 23:35	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		11/29/13 23:35	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-132		1		11/29/13 23:35	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.8**	%	0.10	0.10	1		12/02/13 17:04		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-12-14-15 **Lab ID: 92180392037** Collected: 11/20/13 14:45 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	421	217	1	11/22/13 13:15	11/26/13 22:48	98-86-2	
Atrazine	ND	ug/kg	843	166	1	11/22/13 13:15	11/26/13 22:48	1912-24-9	
Benzaldehyde	ND	ug/kg	843	421	1	11/22/13 13:15	11/26/13 22:48	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	421	133	1	11/22/13 13:15	11/26/13 22:48	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	421	76.6	1	11/22/13 13:15	11/26/13 22:48	101-55-3	
Butylbenzylphthalate	ND	ug/kg	421	89.4	1	11/22/13 13:15	11/26/13 22:48	85-68-7	
Caprolactam	ND	ug/kg	421	72.8	1	11/22/13 13:15	11/26/13 22:48	105-60-2	
Carbazole	ND	ug/kg	421	80.4	1	11/22/13 13:15	11/26/13 22:48	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	843	86.8	1	11/22/13 13:15	11/26/13 22:48	59-50-7	
4-Chloroaniline	ND	ug/kg	2110	117	1	11/22/13 13:15	11/26/13 22:48	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	421	98.3	1	11/22/13 13:15	11/26/13 22:48	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	421	107	1	11/22/13 13:15	11/26/13 22:48	111-44-4	
2-Chloronaphthalene	ND	ug/kg	421	83.0	1	11/22/13 13:15	11/26/13 22:48	91-58-7	
2-Chlorophenol	ND	ug/kg	421	115	1	11/22/13 13:15	11/26/13 22:48	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	421	86.8	1	11/22/13 13:15	11/26/13 22:48	7005-72-3	
Dibenzofuran	ND	ug/kg	421	69.0	1	11/22/13 13:15	11/26/13 22:48	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2110	91.9	1	11/22/13 13:15	11/26/13 22:48	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	421	91.9	1	11/22/13 13:15	11/26/13 22:48	120-83-2	
Diethylphthalate	ND	ug/kg	421	65.1	1	11/22/13 13:15	11/26/13 22:48	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	421	166	1	11/22/13 13:15	11/26/13 22:48	105-67-9	
Dimethylphthalate	ND	ug/kg	421	85.6	1	11/22/13 13:15	11/26/13 22:48	131-11-3	
Di-n-butylphthalate	ND	ug/kg	421	69.0	1	11/22/13 13:15	11/26/13 22:48	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	843	84.3	1	11/22/13 13:15	11/26/13 22:48	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2110	69.0	1	11/22/13 13:15	11/26/13 22:48	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	421	79.2	1	11/22/13 13:15	11/26/13 22:48	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	421	88.1	1	11/22/13 13:15	11/26/13 22:48	606-20-2	
Di-n-octylphthalate	ND	ug/kg	421	88.1	1	11/22/13 13:15	11/26/13 22:48	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	421	115	1	11/22/13 13:15	11/26/13 22:48	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	421	72.8	1	11/22/13 13:15	11/26/13 22:48	87-68-3	
Hexachlorobenzene	ND	ug/kg	421	53.6	1	11/22/13 13:15	11/26/13 22:48	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	421	77.9	1	11/22/13 13:15	11/26/13 22:48	77-47-4	
Hexachloroethane	ND	ug/kg	421	111	1	11/22/13 13:15	11/26/13 22:48	67-72-1	
Isophorone	ND	ug/kg	421	94.5	1	11/22/13 13:15	11/26/13 22:48	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	421	128	1	11/22/13 13:15	11/26/13 22:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	421	166	1	11/22/13 13:15	11/26/13 22:48		
2-Nitroaniline	ND	ug/kg	2110	130	1	11/22/13 13:15	11/26/13 22:48	88-74-4	
3-Nitroaniline	ND	ug/kg	2110	115	1	11/22/13 13:15	11/26/13 22:48	99-09-2	
4-Nitroaniline	ND	ug/kg	843	119	1	11/22/13 13:15	11/26/13 22:48	100-01-6	
Nitrobenzene	ND	ug/kg	421	115	1	11/22/13 13:15	11/26/13 22:48	98-95-3	
2-Nitrophenol	ND	ug/kg	421	102	1	11/22/13 13:15	11/26/13 22:48	88-75-5	
4-Nitrophenol	ND	ug/kg	2110	75.3	1	11/22/13 13:15	11/26/13 22:48	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	421	80.4	1	11/22/13 13:15	11/26/13 22:48	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	421	125	1	11/22/13 13:15	11/26/13 22:48	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	421	112	1	11/22/13 13:15	11/26/13 22:48	108-60-1	
Pentachlorophenol	ND	ug/kg	2110	76.6	1	11/22/13 13:15	11/26/13 22:48	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-12-14-15 **Lab ID: 92180392037** Collected: 11/20/13 14:45 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	421	126	1	11/22/13 13:15	11/26/13 22:48	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	421	153	1	11/22/13 13:15	11/26/13 22:48	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	421	166	1	11/22/13 13:15	11/26/13 22:48	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	421	130	1	11/22/13 13:15	11/26/13 22:48	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	421	93.2	1	11/22/13 13:15	11/26/13 22:48	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	46	%	30-110		1	11/22/13 13:15	11/26/13 22:48	321-60-8	
Terphenyl-d14 (S)	39	%	28-110		1	11/22/13 13:15	11/26/13 22:48	1718-51-0	
Phenol-d6 (S)	40	%	22-110		1	11/22/13 13:15	11/26/13 22:48	13127-88-3	
2-Fluorophenol (S)	40	%	13-110		1	11/22/13 13:15	11/26/13 22:48	367-12-4	
2,4,6-Tribromophenol (S)	43	%	27-110		1	11/22/13 13:15	11/26/13 22:48	118-79-6	
Nitrobenzene-d5 (S)	42	%	23-110		1	11/22/13 13:15	11/26/13 22:48	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.8	1.9	1	11/22/13 10:30	11/27/13 17:21	83-32-9	
Acenaphthylene	**3.5J**	ug/kg	12.8	1.7	1	11/22/13 10:30	11/27/13 17:21	208-96-8	
Anthracene	ND	ug/kg	12.8	1.8	1	11/22/13 10:30	11/27/13 17:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.8	0.91	1	11/22/13 10:30	11/27/13 17:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.8	1.4	1	11/22/13 10:30	11/27/13 17:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.8	0.86	1	11/22/13 10:30	11/27/13 17:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.8	3.3	1	11/22/13 10:30	11/27/13 17:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.8	1.9	1	11/22/13 10:30	11/27/13 17:21	207-08-9	
Chrysene	ND	ug/kg	12.8	2.3	1	11/22/13 10:30	11/27/13 17:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.8	2.3	1	11/22/13 10:30	11/27/13 17:21	53-70-3	
Fluoranthene	ND	ug/kg	12.8	1.1	1	11/22/13 10:30	11/27/13 17:21	206-44-0	
Fluorene	**6.3J**	ug/kg	12.8	2.0	1	11/22/13 10:30	11/27/13 17:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.8	3.6	1	11/22/13 10:30	11/27/13 17:21	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.8	1.5	1	11/22/13 10:30	11/27/13 17:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.8	1.4	1	11/22/13 10:30	11/27/13 17:21	91-57-6	
Naphthalene	ND	ug/kg	12.8	2.9	1	11/22/13 10:30	11/27/13 17:21	91-20-3	
Phenanthrene	ND	ug/kg	12.8	1.9	1	11/22/13 10:30	11/27/13 17:21	85-01-8	
Pyrene	**13.4**	ug/kg	12.8	2.3	1	11/22/13 10:30	11/27/13 17:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	61	%	10-128		1	11/22/13 10:30	11/27/13 17:21	4165-60-0	
2-Fluorobiphenyl (S)	56	%	10-110		1	11/22/13 10:30	11/27/13 17:21	321-60-8	
Terphenyl-d14 (S)	74	%	39-119		1	11/22/13 10:30	11/27/13 17:21	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	2720	272	25		11/29/13 23:55	67-64-1	
Benzene	ND	ug/kg	136	43.5	25		11/29/13 23:55	71-43-2	
Bromochloromethane	ND	ug/kg	136	46.2	25		11/29/13 23:55	74-97-5	
Bromodichloromethane	ND	ug/kg	136	51.7	25		11/29/13 23:55	75-27-4	
Bromoform	ND	ug/kg	136	62.5	25		11/29/13 23:55	75-25-2	
Bromomethane	ND	ug/kg	272	68.0	25		11/29/13 23:55	74-83-9	
2-Butanone (MEK)	ND	ug/kg	2720	78.9	25		11/29/13 23:55	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-12-14-15 **Lab ID: 92180392037** Collected: 11/20/13 14:45 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	272	81.6	25		11/29/13 23:55	75-15-0	
Carbon tetrachloride	ND	ug/kg	136	70.7	25		11/29/13 23:55	56-23-5	
Chlorobenzene	ND	ug/kg	136	51.7	25		11/29/13 23:55	108-90-7	
Chloroethane	ND	ug/kg	272	65.3	25		11/29/13 23:55	75-00-3	
Chloroform	ND	ug/kg	136	43.5	25		11/29/13 23:55	67-66-3	
Chloromethane	ND	ug/kg	272	65.3	25		11/29/13 23:55	74-87-3	
Cyclohexane	ND	ug/kg	136	43.5	25		11/29/13 23:55	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	136	97.9	25		11/29/13 23:55	96-12-8	
Dibromochloromethane	ND	ug/kg	136	48.9	25		11/29/13 23:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	136	48.9	25		11/29/13 23:55	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	136	51.7	25		11/29/13 23:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	136	54.4	25		11/29/13 23:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	136	46.2	25		11/29/13 23:55	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	272	97.9	25		11/29/13 23:55	75-71-8	D3
1,1-Dichloroethane	ND	ug/kg	136	40.8	25		11/29/13 23:55	75-34-3	
1,2-Dichloroethane	ND	ug/kg	136	59.8	25		11/29/13 23:55	107-06-2	
1,1-Dichloroethene	ND	ug/kg	136	48.9	25		11/29/13 23:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	136	38.1	25		11/29/13 23:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	136	51.7	25		11/29/13 23:55	156-60-5	
1,2-Dichloropropane	ND	ug/kg	136	46.2	25		11/29/13 23:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	136	48.9	25		11/29/13 23:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	136	40.8	25		11/29/13 23:55	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	4080	3260	25		11/29/13 23:55	123-91-1	
Ethylbenzene	ND	ug/kg	136	48.9	25		11/29/13 23:55	100-41-4	
2-Hexanone	ND	ug/kg	1360	106	25		11/29/13 23:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	136	51.7	25		11/29/13 23:55	98-82-8	
Methyl acetate	**410**	ug/kg	272	38.1	25		11/29/13 23:55	79-20-9	
Methylcyclohexane	ND	ug/kg	272	40.8	25		11/29/13 23:55	108-87-2	
Methylene Chloride	ND	ug/kg	544	81.6	25		11/29/13 23:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	1360	101	25		11/29/13 23:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	136	40.8	25		11/29/13 23:55	1634-04-4	
Styrene	ND	ug/kg	136	48.9	25		11/29/13 23:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	136	51.7	25		11/29/13 23:55	79-34-5	
Tetrachloroethene	ND	ug/kg	136	46.2	25		11/29/13 23:55	127-18-4	
Toluene	ND	ug/kg	136	48.9	25		11/29/13 23:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	136	59.8	25		11/29/13 23:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	136	43.5	25		11/29/13 23:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	136	48.9	25		11/29/13 23:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	136	57.1	25		11/29/13 23:55	79-00-5	
Trichloroethene	ND	ug/kg	136	57.1	25		11/29/13 23:55	79-01-6	
Trichlorofluoromethane	ND	ug/kg	136	59.8	25		11/29/13 23:55	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	136	51.7	25		11/29/13 23:55	76-13-1	
Vinyl chloride	ND	ug/kg	272	48.9	25		11/29/13 23:55	75-01-4	
m&p-Xylene	ND	ug/kg	272	97.9	25		11/29/13 23:55	179601-23-1	
o-Xylene	ND	ug/kg	136	51.7	25		11/29/13 23:55	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTS-SB-12-14-15 **Lab ID: 92180392037** Collected: 11/20/13 14:45 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	100	%	70-130		25		11/29/13 23:55	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		25		11/29/13 23:55	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-132		25		11/29/13 23:55	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.7**	%	0.10	0.10	1		12/02/13 17:05		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-204-0-1 **Lab ID: 92180392038** Collected: 11/20/13 15:25 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	366	188	1	11/22/13 13:15	11/26/13 23:16	98-86-2	
Atrazine	ND	ug/kg	731	144	1	11/22/13 13:15	11/26/13 23:16	1912-24-9	
Benzaldehyde	ND	ug/kg	731	366	1	11/22/13 13:15	11/26/13 23:16	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	366	115	1	11/22/13 13:15	11/26/13 23:16	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	366	66.5	1	11/22/13 13:15	11/26/13 23:16	101-55-3	
Butylbenzylphthalate	ND	ug/kg	366	77.5	1	11/22/13 13:15	11/26/13 23:16	85-68-7	
Caprolactam	ND	ug/kg	366	63.1	1	11/22/13 13:15	11/26/13 23:16	105-60-2	
Carbazole	ND	ug/kg	366	69.8	1	11/22/13 13:15	11/26/13 23:16	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	731	75.3	1	11/22/13 13:15	11/26/13 23:16	59-50-7	
4-Chloroaniline	ND	ug/kg	1830	102	1	11/22/13 13:15	11/26/13 23:16	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	366	85.3	1	11/22/13 13:15	11/26/13 23:16	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	366	93.0	1	11/22/13 13:15	11/26/13 23:16	111-44-4	
2-Chloronaphthalene	ND	ug/kg	366	72.0	1	11/22/13 13:15	11/26/13 23:16	91-58-7	
2-Chlorophenol	ND	ug/kg	366	99.7	1	11/22/13 13:15	11/26/13 23:16	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	366	75.3	1	11/22/13 13:15	11/26/13 23:16	7005-72-3	
Dibenzofuran	ND	ug/kg	366	59.8	1	11/22/13 13:15	11/26/13 23:16	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1830	79.8	1	11/22/13 13:15	11/26/13 23:16	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	366	79.8	1	11/22/13 13:15	11/26/13 23:16	120-83-2	
Diethylphthalate	ND	ug/kg	366	56.5	1	11/22/13 13:15	11/26/13 23:16	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	366	144	1	11/22/13 13:15	11/26/13 23:16	105-67-9	
Dimethylphthalate	ND	ug/kg	366	74.2	1	11/22/13 13:15	11/26/13 23:16	131-11-3	
Di-n-butylphthalate	ND	ug/kg	366	59.8	1	11/22/13 13:15	11/26/13 23:16	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	731	73.1	1	11/22/13 13:15	11/26/13 23:16	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1830	59.8	1	11/22/13 13:15	11/26/13 23:16	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	366	68.7	1	11/22/13 13:15	11/26/13 23:16	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	366	76.4	1	11/22/13 13:15	11/26/13 23:16	606-20-2	
Di-n-octylphthalate	ND	ug/kg	366	76.4	1	11/22/13 13:15	11/26/13 23:16	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	366	99.7	1	11/22/13 13:15	11/26/13 23:16	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	366	63.1	1	11/22/13 13:15	11/26/13 23:16	87-68-3	
Hexachlorobenzene	ND	ug/kg	366	46.5	1	11/22/13 13:15	11/26/13 23:16	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	366	67.6	1	11/22/13 13:15	11/26/13 23:16	77-47-4	
Hexachloroethane	ND	ug/kg	366	96.4	1	11/22/13 13:15	11/26/13 23:16	67-72-1	
Isophorone	ND	ug/kg	366	82.0	1	11/22/13 13:15	11/26/13 23:16	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	366	111	1	11/22/13 13:15	11/26/13 23:16	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	366	144	1	11/22/13 13:15	11/26/13 23:16		
2-Nitroaniline	ND	ug/kg	1830	113	1	11/22/13 13:15	11/26/13 23:16	88-74-4	
3-Nitroaniline	ND	ug/kg	1830	99.7	1	11/22/13 13:15	11/26/13 23:16	99-09-2	
4-Nitroaniline	ND	ug/kg	731	103	1	11/22/13 13:15	11/26/13 23:16	100-01-6	
Nitrobenzene	ND	ug/kg	366	99.7	1	11/22/13 13:15	11/26/13 23:16	98-95-3	
2-Nitrophenol	ND	ug/kg	366	88.6	1	11/22/13 13:15	11/26/13 23:16	88-75-5	
4-Nitrophenol	ND	ug/kg	1830	65.4	1	11/22/13 13:15	11/26/13 23:16	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	366	69.8	1	11/22/13 13:15	11/26/13 23:16	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	366	109	1	11/22/13 13:15	11/26/13 23:16	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	366	97.5	1	11/22/13 13:15	11/26/13 23:16	108-60-1	
Pentachlorophenol	ND	ug/kg	1830	66.5	1	11/22/13 13:15	11/26/13 23:16	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-204-0-1 **Lab ID: 92180392038** Collected: 11/20/13 15:25 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	366	110	1	11/22/13 13:15	11/26/13 23:16	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	366	133	1	11/22/13 13:15	11/26/13 23:16	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	366	144	1	11/22/13 13:15	11/26/13 23:16	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	366	113	1	11/22/13 13:15	11/26/13 23:16	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	366	80.9	1	11/22/13 13:15	11/26/13 23:16	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	51	%	30-110		1	11/22/13 13:15	11/26/13 23:16	321-60-8	
Terphenyl-d14 (S)	53	%	28-110		1	11/22/13 13:15	11/26/13 23:16	1718-51-0	
Phenol-d6 (S)	52	%	22-110		1	11/22/13 13:15	11/26/13 23:16	13127-88-3	
2-Fluorophenol (S)	48	%	13-110		1	11/22/13 13:15	11/26/13 23:16	367-12-4	
2,4,6-Tribromophenol (S)	44	%	27-110		1	11/22/13 13:15	11/26/13 23:16	118-79-6	
Nitrobenzene-d5 (S)	49	%	23-110		1	11/22/13 13:15	11/26/13 23:16	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.1	1.7	1	11/22/13 10:30	11/27/13 17:41	83-32-9	
Acenaphthylene	ND	ug/kg	11.1	1.4	1	11/22/13 10:30	11/27/13 17:41	208-96-8	
Anthracene	ND	ug/kg	11.1	1.6	1	11/22/13 10:30	11/27/13 17:41	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.1	0.79	1	11/22/13 10:30	11/27/13 17:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.1	1.2	1	11/22/13 10:30	11/27/13 17:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.1	0.74	1	11/22/13 10:30	11/27/13 17:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.1	2.9	1	11/22/13 10:30	11/27/13 17:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.1	1.7	1	11/22/13 10:30	11/27/13 17:41	207-08-9	
Chrysene	ND	ug/kg	11.1	2.0	1	11/22/13 10:30	11/27/13 17:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.1	2.0	1	11/22/13 10:30	11/27/13 17:41	53-70-3	
Fluoranthene	ND	ug/kg	11.1	0.92	1	11/22/13 10:30	11/27/13 17:41	206-44-0	
Fluorene	ND	ug/kg	11.1	1.8	1	11/22/13 10:30	11/27/13 17:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.1	3.1	1	11/22/13 10:30	11/27/13 17:41	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.1	1.3	1	11/22/13 10:30	11/27/13 17:41	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.1	1.2	1	11/22/13 10:30	11/27/13 17:41	91-57-6	
Naphthalene	ND	ug/kg	11.1	2.5	1	11/22/13 10:30	11/27/13 17:41	91-20-3	
Phenanthrene	ND	ug/kg	11.1	1.7	1	11/22/13 10:30	11/27/13 17:41	85-01-8	
Pyrene	ND	ug/kg	11.1	2.0	1	11/22/13 10:30	11/27/13 17:41	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	59	%	10-128		1	11/22/13 10:30	11/27/13 17:41	4165-60-0	
2-Fluorobiphenyl (S)	60	%	10-110		1	11/22/13 10:30	11/27/13 17:41	321-60-8	
Terphenyl-d14 (S)	71	%	39-119		1	11/22/13 10:30	11/27/13 17:41	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**13.8J**	ug/kg	105	10.5	1		11/30/13 00:14	67-64-1	
Benzene	ND	ug/kg	5.2	1.7	1		11/30/13 00:14	71-43-2	
Bromochloromethane	ND	ug/kg	5.2	1.8	1		11/30/13 00:14	74-97-5	
Bromodichloromethane	ND	ug/kg	5.2	2.0	1		11/30/13 00:14	75-27-4	
Bromoform	ND	ug/kg	5.2	2.4	1		11/30/13 00:14	75-25-2	
Bromomethane	ND	ug/kg	10.5	2.6	1		11/30/13 00:14	74-83-9	
2-Butanone (MEK)	ND	ug/kg	105	3.0	1		11/30/13 00:14	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-204-0-1 **Lab ID: 92180392038** Collected: 11/20/13 15:25 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.5	3.1	1		11/30/13 00:14	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.2	2.7	1		11/30/13 00:14	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	2.0	1		11/30/13 00:14	108-90-7	
Chloroethane	ND	ug/kg	10.5	2.5	1		11/30/13 00:14	75-00-3	
Chloroform	ND	ug/kg	5.2	1.7	1		11/30/13 00:14	67-66-3	
Chloromethane	ND	ug/kg	10.5	2.5	1		11/30/13 00:14	74-87-3	
Cyclohexane	ND	ug/kg	5.2	1.7	1		11/30/13 00:14	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.2	3.8	1		11/30/13 00:14	96-12-8	
Dibromochloromethane	ND	ug/kg	5.2	1.9	1		11/30/13 00:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1.9	1		11/30/13 00:14	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.2	2.0	1		11/30/13 00:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	2.1	1		11/30/13 00:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1.8	1		11/30/13 00:14	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.5	3.8	1		11/30/13 00:14	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1.6	1		11/30/13 00:14	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	2.3	1		11/30/13 00:14	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.2	1.9	1		11/30/13 00:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1.5	1		11/30/13 00:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	2.0	1		11/30/13 00:14	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1.8	1		11/30/13 00:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1.9	1		11/30/13 00:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1.6	1		11/30/13 00:14	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	157	126	1		11/30/13 00:14	123-91-1	
Ethylbenzene	ND	ug/kg	5.2	1.9	1		11/30/13 00:14	100-41-4	
2-Hexanone	ND	ug/kg	52.4	4.1	1		11/30/13 00:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	2.0	1		11/30/13 00:14	98-82-8	
Methyl acetate	ND	ug/kg	10.5	1.5	1		11/30/13 00:14	79-20-9	
Methylcyclohexane	ND	ug/kg	10.5	1.6	1		11/30/13 00:14	108-87-2	
Methylene Chloride	ND	ug/kg	21.0	3.1	1		11/30/13 00:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	52.4	3.9	1		11/30/13 00:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1.6	1		11/30/13 00:14	1634-04-4	
Styrene	ND	ug/kg	5.2	1.9	1		11/30/13 00:14	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	2.0	1		11/30/13 00:14	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1.8	1		11/30/13 00:14	127-18-4	
Toluene	ND	ug/kg	5.2	1.9	1		11/30/13 00:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	2.3	1		11/30/13 00:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1.7	1		11/30/13 00:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1.9	1		11/30/13 00:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	2.2	1		11/30/13 00:14	79-00-5	
Trichloroethene	ND	ug/kg	5.2	2.2	1		11/30/13 00:14	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	2.3	1		11/30/13 00:14	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.2	2.0	1		11/30/13 00:14	76-13-1	
Vinyl chloride	ND	ug/kg	10.5	1.9	1		11/30/13 00:14	75-01-4	
m&p-Xylene	ND	ug/kg	10.5	3.8	1		11/30/13 00:14	179601-23-1	
o-Xylene	ND	ug/kg	5.2	2.0	1		11/30/13 00:14	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-204-0-1 **Lab ID: 92180392038** Collected: 11/20/13 15:25 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		11/30/13 00:14	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1		11/30/13 00:14	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-132		1		11/30/13 00:14	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.7**	%	0.10	0.10	1		12/02/13 17:05		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-204-9-10 **Lab ID: 92180392039** Collected: 11/20/13 15:40 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	397	205	1	11/22/13 13:15	11/26/13 23:44	98-86-2	
Atrazine	ND	ug/kg	794	156	1	11/22/13 13:15	11/26/13 23:44	1912-24-9	
Benzaldehyde	ND	ug/kg	794	397	1	11/22/13 13:15	11/26/13 23:44	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	397	125	1	11/22/13 13:15	11/26/13 23:44	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	397	72.2	1	11/22/13 13:15	11/26/13 23:44	101-55-3	
Butylbenzylphthalate	ND	ug/kg	397	84.2	1	11/22/13 13:15	11/26/13 23:44	85-68-7	
Caprolactam	ND	ug/kg	397	68.6	1	11/22/13 13:15	11/26/13 23:44	105-60-2	
Carbazole	ND	ug/kg	397	75.8	1	11/22/13 13:15	11/26/13 23:44	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	794	81.8	1	11/22/13 13:15	11/26/13 23:44	59-50-7	
4-Chloroaniline	ND	ug/kg	1990	111	1	11/22/13 13:15	11/26/13 23:44	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	397	92.6	1	11/22/13 13:15	11/26/13 23:44	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	397	101	1	11/22/13 13:15	11/26/13 23:44	111-44-4	
2-Chloronaphthalene	ND	ug/kg	397	78.2	1	11/22/13 13:15	11/26/13 23:44	91-58-7	
2-Chlorophenol	ND	ug/kg	397	108	1	11/22/13 13:15	11/26/13 23:44	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	397	81.8	1	11/22/13 13:15	11/26/13 23:44	7005-72-3	
Dibenzofuran	ND	ug/kg	397	65.0	1	11/22/13 13:15	11/26/13 23:44	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1990	86.6	1	11/22/13 13:15	11/26/13 23:44	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	397	86.6	1	11/22/13 13:15	11/26/13 23:44	120-83-2	
Diethylphthalate	ND	ug/kg	397	61.4	1	11/22/13 13:15	11/26/13 23:44	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	397	156	1	11/22/13 13:15	11/26/13 23:44	105-67-9	
Dimethylphthalate	ND	ug/kg	397	80.6	1	11/22/13 13:15	11/26/13 23:44	131-11-3	
Di-n-butylphthalate	ND	ug/kg	397	65.0	1	11/22/13 13:15	11/26/13 23:44	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	794	79.4	1	11/22/13 13:15	11/26/13 23:44	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1990	65.0	1	11/22/13 13:15	11/26/13 23:44	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	397	74.6	1	11/22/13 13:15	11/26/13 23:44	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	397	83.0	1	11/22/13 13:15	11/26/13 23:44	606-20-2	
Di-n-octylphthalate	ND	ug/kg	397	83.0	1	11/22/13 13:15	11/26/13 23:44	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	397	108	1	11/22/13 13:15	11/26/13 23:44	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	397	68.6	1	11/22/13 13:15	11/26/13 23:44	87-68-3	
Hexachlorobenzene	ND	ug/kg	397	50.5	1	11/22/13 13:15	11/26/13 23:44	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	397	73.4	1	11/22/13 13:15	11/26/13 23:44	77-47-4	
Hexachloroethane	ND	ug/kg	397	105	1	11/22/13 13:15	11/26/13 23:44	67-72-1	
Isophorone	ND	ug/kg	397	89.0	1	11/22/13 13:15	11/26/13 23:44	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	397	120	1	11/22/13 13:15	11/26/13 23:44	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	397	156	1	11/22/13 13:15	11/26/13 23:44		
2-Nitroaniline	ND	ug/kg	1990	123	1	11/22/13 13:15	11/26/13 23:44	88-74-4	
3-Nitroaniline	ND	ug/kg	1990	108	1	11/22/13 13:15	11/26/13 23:44	99-09-2	
4-Nitroaniline	ND	ug/kg	794	112	1	11/22/13 13:15	11/26/13 23:44	100-01-6	
Nitrobenzene	ND	ug/kg	397	108	1	11/22/13 13:15	11/26/13 23:44	98-95-3	
2-Nitrophenol	ND	ug/kg	397	96.3	1	11/22/13 13:15	11/26/13 23:44	88-75-5	
4-Nitrophenol	ND	ug/kg	1990	71.0	1	11/22/13 13:15	11/26/13 23:44	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	397	75.8	1	11/22/13 13:15	11/26/13 23:44	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	397	118	1	11/22/13 13:15	11/26/13 23:44	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	397	106	1	11/22/13 13:15	11/26/13 23:44	108-60-1	
Pentachlorophenol	ND	ug/kg	1990	72.2	1	11/22/13 13:15	11/26/13 23:44	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-204-9-10 **Lab ID: 92180392039** Collected: 11/20/13 15:40 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	397	119	1	11/22/13 13:15	11/26/13 23:44	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	397	144	1	11/22/13 13:15	11/26/13 23:44	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	397	156	1	11/22/13 13:15	11/26/13 23:44	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	397	123	1	11/22/13 13:15	11/26/13 23:44	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	397	87.8	1	11/22/13 13:15	11/26/13 23:44	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	52	%	30-110		1	11/22/13 13:15	11/26/13 23:44	321-60-8	
Terphenyl-d14 (S)	52	%	28-110		1	11/22/13 13:15	11/26/13 23:44	1718-51-0	
Phenol-d6 (S)	42	%	22-110		1	11/22/13 13:15	11/26/13 23:44	13127-88-3	
2-Fluorophenol (S)	41	%	13-110		1	11/22/13 13:15	11/26/13 23:44	367-12-4	
2,4,6-Tribromophenol (S)	35	%	27-110		1	11/22/13 13:15	11/26/13 23:44	118-79-6	
Nitrobenzene-d5 (S)	50	%	23-110		1	11/22/13 13:15	11/26/13 23:44	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 18:01	83-32-9	
Acenaphthylene	ND	ug/kg	12.0	1.6	1	11/22/13 10:30	11/27/13 18:01	208-96-8	
Anthracene	ND	ug/kg	12.0	1.7	1	11/22/13 10:30	11/27/13 18:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.0	0.85	1	11/22/13 10:30	11/27/13 18:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.0	1.3	1	11/22/13 10:30	11/27/13 18:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.0	0.81	1	11/22/13 10:30	11/27/13 18:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.0	3.1	1	11/22/13 10:30	11/27/13 18:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 18:01	207-08-9	
Chrysene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 18:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 18:01	53-70-3	
Fluoranthene	ND	ug/kg	12.0	1.0	1	11/22/13 10:30	11/27/13 18:01	206-44-0	
Fluorene	ND	ug/kg	12.0	1.9	1	11/22/13 10:30	11/27/13 18:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.0	3.4	1	11/22/13 10:30	11/27/13 18:01	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.0	1.4	1	11/22/13 10:30	11/27/13 18:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.0	1.3	1	11/22/13 10:30	11/27/13 18:01	91-57-6	
Naphthalene	ND	ug/kg	12.0	2.8	1	11/22/13 10:30	11/27/13 18:01	91-20-3	
Phenanthrene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 18:01	85-01-8	
Pyrene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 18:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	54	%	10-128		1	11/22/13 10:30	11/27/13 18:01	4165-60-0	
2-Fluorobiphenyl (S)	57	%	10-110		1	11/22/13 10:30	11/27/13 18:01	321-60-8	
Terphenyl-d14 (S)	69	%	39-119		1	11/22/13 10:30	11/27/13 18:01	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**54.4J**	ug/kg	113	11.3	1		11/30/13 00:34	67-64-1	
Benzene	ND	ug/kg	5.6	1.8	1		11/30/13 00:34	71-43-2	
Bromochloromethane	ND	ug/kg	5.6	1.9	1		11/30/13 00:34	74-97-5	
Bromodichloromethane	ND	ug/kg	5.6	2.1	1		11/30/13 00:34	75-27-4	
Bromoform	ND	ug/kg	5.6	2.6	1		11/30/13 00:34	75-25-2	
Bromomethane	ND	ug/kg	11.3	2.8	1		11/30/13 00:34	74-83-9	
2-Butanone (MEK)	ND	ug/kg	113	3.3	1		11/30/13 00:34	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-204-9-10 **Lab ID: 92180392039** Collected: 11/20/13 15:40 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	11.3	3.4	1		11/30/13 00:34	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.6	2.9	1		11/30/13 00:34	56-23-5	
Chlorobenzene	ND	ug/kg	5.6	2.1	1		11/30/13 00:34	108-90-7	
Chloroethane	ND	ug/kg	11.3	2.7	1		11/30/13 00:34	75-00-3	
Chloroform	ND	ug/kg	5.6	1.8	1		11/30/13 00:34	67-66-3	
Chloromethane	ND	ug/kg	11.3	2.7	1		11/30/13 00:34	74-87-3	
Cyclohexane	ND	ug/kg	5.6	1.8	1		11/30/13 00:34	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.6	4.1	1		11/30/13 00:34	96-12-8	
Dibromochloromethane	ND	ug/kg	5.6	2.0	1		11/30/13 00:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.6	2.0	1		11/30/13 00:34	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.6	2.1	1		11/30/13 00:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.6	2.3	1		11/30/13 00:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.6	1.9	1		11/30/13 00:34	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.3	4.1	1		11/30/13 00:34	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.6	1.7	1		11/30/13 00:34	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.6	2.5	1		11/30/13 00:34	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.6	2.0	1		11/30/13 00:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.6	1.6	1		11/30/13 00:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.6	2.1	1		11/30/13 00:34	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.6	1.9	1		11/30/13 00:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.6	2.0	1		11/30/13 00:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.6	1.7	1		11/30/13 00:34	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	169	135	1		11/30/13 00:34	123-91-1	
Ethylbenzene	ND	ug/kg	5.6	2.0	1		11/30/13 00:34	100-41-4	
2-Hexanone	ND	ug/kg	56.3	4.4	1		11/30/13 00:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.6	2.1	1		11/30/13 00:34	98-82-8	
Methyl acetate	ND	ug/kg	11.3	1.6	1		11/30/13 00:34	79-20-9	
Methylcyclohexane	ND	ug/kg	11.3	1.7	1		11/30/13 00:34	108-87-2	
Methylene Chloride	ND	ug/kg	22.5	3.4	1		11/30/13 00:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	56.3	4.2	1		11/30/13 00:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.6	1.7	1		11/30/13 00:34	1634-04-4	
Styrene	ND	ug/kg	5.6	2.0	1		11/30/13 00:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	2.1	1		11/30/13 00:34	79-34-5	
Tetrachloroethene	ND	ug/kg	5.6	1.9	1		11/30/13 00:34	127-18-4	
Toluene	ND	ug/kg	5.6	2.0	1		11/30/13 00:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.6	2.5	1		11/30/13 00:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	1.8	1		11/30/13 00:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.6	2.0	1		11/30/13 00:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.6	2.4	1		11/30/13 00:34	79-00-5	
Trichloroethene	ND	ug/kg	5.6	2.4	1		11/30/13 00:34	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.6	2.5	1		11/30/13 00:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.6	2.1	1		11/30/13 00:34	76-13-1	
Vinyl chloride	ND	ug/kg	11.3	2.0	1		11/30/13 00:34	75-01-4	
m&p-Xylene	ND	ug/kg	11.3	4.1	1		11/30/13 00:34	179601-23-1	
o-Xylene	ND	ug/kg	5.6	2.1	1		11/30/13 00:34	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-204-9-10 **Lab ID: 92180392039** Collected: 11/20/13 15:40 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/30/13 00:34	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130		1		11/30/13 00:34	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-132		1		11/30/13 00:34	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.9**	%	0.10	0.10	1		12/02/13 17:05		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-204-11-12 **Lab ID: 92180392040** Collected: 11/20/13 15:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	397	204	1	11/22/13 13:15	11/27/13 10:14	98-86-2	
Atrazine	ND	ug/kg	793	156	1	11/22/13 13:15	11/27/13 10:14	1912-24-9	
Benzaldehyde	ND	ug/kg	793	397	1	11/22/13 13:15	11/27/13 10:14	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	397	125	1	11/22/13 13:15	11/27/13 10:14	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	397	72.1	1	11/22/13 13:15	11/27/13 10:14	101-55-3	
Butylbenzylphthalate	ND	ug/kg	397	84.2	1	11/22/13 13:15	11/27/13 10:14	85-68-7	
Caprolactam	ND	ug/kg	397	68.5	1	11/22/13 13:15	11/27/13 10:14	105-60-2	
Carbazole	ND	ug/kg	397	75.7	1	11/22/13 13:15	11/27/13 10:14	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	793	81.7	1	11/22/13 13:15	11/27/13 10:14	59-50-7	
4-Chloroaniline	ND	ug/kg	1980	111	1	11/22/13 13:15	11/27/13 10:14	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	397	92.6	1	11/22/13 13:15	11/27/13 10:14	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	397	101	1	11/22/13 13:15	11/27/13 10:14	111-44-4	
2-Chloronaphthalene	ND	ug/kg	397	78.1	1	11/22/13 13:15	11/27/13 10:14	91-58-7	
2-Chlorophenol	ND	ug/kg	397	108	1	11/22/13 13:15	11/27/13 10:14	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	397	81.7	1	11/22/13 13:15	11/27/13 10:14	7005-72-3	
Dibenzofuran	ND	ug/kg	397	64.9	1	11/22/13 13:15	11/27/13 10:14	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1980	86.6	1	11/22/13 13:15	11/27/13 10:14	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	397	86.6	1	11/22/13 13:15	11/27/13 10:14	120-83-2	
Diethylphthalate	ND	ug/kg	397	61.3	1	11/22/13 13:15	11/27/13 10:14	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	397	156	1	11/22/13 13:15	11/27/13 10:14	105-67-9	
Dimethylphthalate	ND	ug/kg	397	80.5	1	11/22/13 13:15	11/27/13 10:14	131-11-3	
Di-n-butylphthalate	ND	ug/kg	397	64.9	1	11/22/13 13:15	11/27/13 10:14	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	793	79.3	1	11/22/13 13:15	11/27/13 10:14	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1980	64.9	1	11/22/13 13:15	11/27/13 10:14	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	397	74.5	1	11/22/13 13:15	11/27/13 10:14	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	397	83.0	1	11/22/13 13:15	11/27/13 10:14	606-20-2	
Di-n-octylphthalate	ND	ug/kg	397	83.0	1	11/22/13 13:15	11/27/13 10:14	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	397	108	1	11/22/13 13:15	11/27/13 10:14	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	397	68.5	1	11/22/13 13:15	11/27/13 10:14	87-68-3	
Hexachlorobenzene	ND	ug/kg	397	50.5	1	11/22/13 13:15	11/27/13 10:14	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	397	73.3	1	11/22/13 13:15	11/27/13 10:14	77-47-4	
Hexachloroethane	ND	ug/kg	397	105	1	11/22/13 13:15	11/27/13 10:14	67-72-1	
Isophorone	ND	ug/kg	397	89.0	1	11/22/13 13:15	11/27/13 10:14	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	397	120	1	11/22/13 13:15	11/27/13 10:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	397	156	1	11/22/13 13:15	11/27/13 10:14		
2-Nitroaniline	ND	ug/kg	1980	123	1	11/22/13 13:15	11/27/13 10:14	88-74-4	
3-Nitroaniline	ND	ug/kg	1980	108	1	11/22/13 13:15	11/27/13 10:14	99-09-2	
4-Nitroaniline	ND	ug/kg	793	112	1	11/22/13 13:15	11/27/13 10:14	100-01-6	
Nitrobenzene	ND	ug/kg	397	108	1	11/22/13 13:15	11/27/13 10:14	98-95-3	
2-Nitrophenol	ND	ug/kg	397	96.2	1	11/22/13 13:15	11/27/13 10:14	88-75-5	
4-Nitrophenol	ND	ug/kg	1980	70.9	1	11/22/13 13:15	11/27/13 10:14	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	397	75.7	1	11/22/13 13:15	11/27/13 10:14	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	397	118	1	11/22/13 13:15	11/27/13 10:14	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	397	106	1	11/22/13 13:15	11/27/13 10:14	108-60-1	
Pentachlorophenol	ND	ug/kg	1980	72.1	1	11/22/13 13:15	11/27/13 10:14	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-204-11-12 **Lab ID: 92180392040** Collected: 11/20/13 15:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	397	119	1	11/22/13 13:15	11/27/13 10:14	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	397	144	1	11/22/13 13:15	11/27/13 10:14	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	397	156	1	11/22/13 13:15	11/27/13 10:14	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	397	123	1	11/22/13 13:15	11/27/13 10:14	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	397	87.8	1	11/22/13 13:15	11/27/13 10:14	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	36	%	30-110		1	11/22/13 13:15	11/27/13 10:14	321-60-8	
Terphenyl-d14 (S)	38	%	28-110		1	11/22/13 13:15	11/27/13 10:14	1718-51-0	
Phenol-d6 (S)	34	%	22-110		1	11/22/13 13:15	11/27/13 10:14	13127-88-3	
2-Fluorophenol (S)	34	%	13-110		1	11/22/13 13:15	11/27/13 10:14	367-12-4	
2,4,6-Tribromophenol (S)	32	%	27-110		1	11/22/13 13:15	11/27/13 10:14	118-79-6	
Nitrobenzene-d5 (S)	33	%	23-110		1	11/22/13 13:15	11/27/13 10:14	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 18:21	83-32-9	
Acenaphthylene	ND	ug/kg	12.0	1.6	1	11/22/13 10:30	11/27/13 18:21	208-96-8	
Anthracene	ND	ug/kg	12.0	1.7	1	11/22/13 10:30	11/27/13 18:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	12.0	0.85	1	11/22/13 10:30	11/27/13 18:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	12.0	1.3	1	11/22/13 10:30	11/27/13 18:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	12.0	0.81	1	11/22/13 10:30	11/27/13 18:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	12.0	3.1	1	11/22/13 10:30	11/27/13 18:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 18:21	207-08-9	
Chrysene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 18:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 18:21	53-70-3	
Fluoranthene	ND	ug/kg	12.0	1.0	1	11/22/13 10:30	11/27/13 18:21	206-44-0	
Fluorene	ND	ug/kg	12.0	1.9	1	11/22/13 10:30	11/27/13 18:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	12.0	3.4	1	11/22/13 10:30	11/27/13 18:21	193-39-5	
1-Methylnaphthalene	ND	ug/kg	12.0	1.4	1	11/22/13 10:30	11/27/13 18:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	12.0	1.3	1	11/22/13 10:30	11/27/13 18:21	91-57-6	
Naphthalene	ND	ug/kg	12.0	2.8	1	11/22/13 10:30	11/27/13 18:21	91-20-3	
Phenanthrene	ND	ug/kg	12.0	1.8	1	11/22/13 10:30	11/27/13 18:21	85-01-8	
Pyrene	ND	ug/kg	12.0	2.2	1	11/22/13 10:30	11/27/13 18:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	54	%	10-128		1	11/22/13 10:30	11/27/13 18:21	4165-60-0	
2-Fluorobiphenyl (S)	54	%	10-110		1	11/22/13 10:30	11/27/13 18:21	321-60-8	
Terphenyl-d14 (S)	66	%	39-119		1	11/22/13 10:30	11/27/13 18:21	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**67.7J**	ug/kg	101	10.1	1		11/30/13 00:54	67-64-1	
Benzene	ND	ug/kg	5.1	1.6	1		11/30/13 00:54	71-43-2	
Bromochloromethane	ND	ug/kg	5.1	1.7	1		11/30/13 00:54	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1.9	1		11/30/13 00:54	75-27-4	
Bromoform	ND	ug/kg	5.1	2.3	1		11/30/13 00:54	75-25-2	
Bromomethane	ND	ug/kg	10.1	2.5	1		11/30/13 00:54	74-83-9	
2-Butanone (MEK)	ND	ug/kg	101	2.9	1		11/30/13 00:54	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-204-11-12 **Lab ID: 92180392040** Collected: 11/20/13 15:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.1	3.0	1		11/30/13 00:54	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	2.6	1		11/30/13 00:54	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1.9	1		11/30/13 00:54	108-90-7	
Chloroethane	ND	ug/kg	10.1	2.4	1		11/30/13 00:54	75-00-3	
Chloroform	ND	ug/kg	5.1	1.6	1		11/30/13 00:54	67-66-3	
Chloromethane	ND	ug/kg	10.1	2.4	1		11/30/13 00:54	74-87-3	
Cyclohexane	ND	ug/kg	5.1	1.6	1		11/30/13 00:54	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	3.6	1		11/30/13 00:54	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1.8	1		11/30/13 00:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1.8	1		11/30/13 00:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1.9	1		11/30/13 00:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	2.0	1		11/30/13 00:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1.7	1		11/30/13 00:54	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.1	3.6	1		11/30/13 00:54	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1.5	1		11/30/13 00:54	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	2.2	1		11/30/13 00:54	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1.8	1		11/30/13 00:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1.4	1		11/30/13 00:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1.9	1		11/30/13 00:54	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1.7	1		11/30/13 00:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1.8	1		11/30/13 00:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1.5	1		11/30/13 00:54	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	152	121	1		11/30/13 00:54	123-91-1	
Ethylbenzene	ND	ug/kg	5.1	1.8	1		11/30/13 00:54	100-41-4	
2-Hexanone	ND	ug/kg	50.6	3.9	1		11/30/13 00:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1.9	1		11/30/13 00:54	98-82-8	
Methyl acetate	ND	ug/kg	10.1	1.4	1		11/30/13 00:54	79-20-9	
Methylcyclohexane	ND	ug/kg	10.1	1.5	1		11/30/13 00:54	108-87-2	
Methylene Chloride	ND	ug/kg	20.2	3.0	1		11/30/13 00:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.6	3.7	1		11/30/13 00:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1.5	1		11/30/13 00:54	1634-04-4	
Styrene	ND	ug/kg	5.1	1.8	1		11/30/13 00:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1.9	1		11/30/13 00:54	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1.7	1		11/30/13 00:54	127-18-4	
Toluene	ND	ug/kg	5.1	1.8	1		11/30/13 00:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	2.2	1		11/30/13 00:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1.6	1		11/30/13 00:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1.8	1		11/30/13 00:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	2.1	1		11/30/13 00:54	79-00-5	
Trichloroethene	**6.0**	ug/kg	5.1	2.1	1		11/30/13 00:54	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	2.2	1		11/30/13 00:54	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.1	1.9	1		11/30/13 00:54	76-13-1	
Vinyl chloride	ND	ug/kg	10.1	1.8	1		11/30/13 00:54	75-01-4	
m&p-Xylene	ND	ug/kg	10.1	3.6	1		11/30/13 00:54	179601-23-1	
o-Xylene	ND	ug/kg	5.1	1.9	1		11/30/13 00:54	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-204-11-12 **Lab ID: 92180392040** Collected: 11/20/13 15:50 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		11/30/13 00:54	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130		1		11/30/13 00:54	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-132		1		11/30/13 00:54	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.8**	%	0.10	0.10	1		12/02/13 17:05		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-205-0-1 **Lab ID: 92180392041** Collected: 11/20/13 16:05 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	377	194	1	11/22/13 13:15	11/27/13 10:42	98-86-2	
Atrazine	ND	ug/kg	754	148	1	11/22/13 13:15	11/27/13 10:42	1912-24-9	
Benzaldehyde	ND	ug/kg	754	377	1	11/22/13 13:15	11/27/13 10:42	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	377	119	1	11/22/13 13:15	11/27/13 10:42	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	377	68.5	1	11/22/13 13:15	11/27/13 10:42	101-55-3	
Butylbenzylphthalate	ND	ug/kg	377	79.9	1	11/22/13 13:15	11/27/13 10:42	85-68-7	
Caprolactam	ND	ug/kg	377	65.1	1	11/22/13 13:15	11/27/13 10:42	105-60-2	
Carbazole	ND	ug/kg	377	72.0	1	11/22/13 13:15	11/27/13 10:42	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	754	77.7	1	11/22/13 13:15	11/27/13 10:42	59-50-7	
4-Chloroaniline	ND	ug/kg	1880	105	1	11/22/13 13:15	11/27/13 10:42	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	377	87.9	1	11/22/13 13:15	11/27/13 10:42	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	377	95.9	1	11/22/13 13:15	11/27/13 10:42	111-44-4	
2-Chloronaphthalene	ND	ug/kg	377	74.2	1	11/22/13 13:15	11/27/13 10:42	91-58-7	
2-Chlorophenol	ND	ug/kg	377	103	1	11/22/13 13:15	11/27/13 10:42	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	377	77.7	1	11/22/13 13:15	11/27/13 10:42	7005-72-3	
Dibenzofuran	ND	ug/kg	377	61.7	1	11/22/13 13:15	11/27/13 10:42	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1880	82.2	1	11/22/13 13:15	11/27/13 10:42	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	377	82.2	1	11/22/13 13:15	11/27/13 10:42	120-83-2	
Diethylphthalate	ND	ug/kg	377	58.2	1	11/22/13 13:15	11/27/13 10:42	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	377	148	1	11/22/13 13:15	11/27/13 10:42	105-67-9	
Dimethylphthalate	ND	ug/kg	377	76.5	1	11/22/13 13:15	11/27/13 10:42	131-11-3	
Di-n-butylphthalate	ND	ug/kg	377	61.7	1	11/22/13 13:15	11/27/13 10:42	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	754	75.4	1	11/22/13 13:15	11/27/13 10:42	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1880	61.7	1	11/22/13 13:15	11/27/13 10:42	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	377	70.8	1	11/22/13 13:15	11/27/13 10:42	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	377	78.8	1	11/22/13 13:15	11/27/13 10:42	606-20-2	
Di-n-octylphthalate	ND	ug/kg	377	78.8	1	11/22/13 13:15	11/27/13 10:42	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	377	103	1	11/22/13 13:15	11/27/13 10:42	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	377	65.1	1	11/22/13 13:15	11/27/13 10:42	87-68-3	
Hexachlorobenzene	ND	ug/kg	377	48.0	1	11/22/13 13:15	11/27/13 10:42	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	377	69.7	1	11/22/13 13:15	11/27/13 10:42	77-47-4	
Hexachloroethane	ND	ug/kg	377	99.4	1	11/22/13 13:15	11/27/13 10:42	67-72-1	
Isophorone	ND	ug/kg	377	84.5	1	11/22/13 13:15	11/27/13 10:42	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	377	114	1	11/22/13 13:15	11/27/13 10:42	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	377	148	1	11/22/13 13:15	11/27/13 10:42		
2-Nitroaniline	ND	ug/kg	1880	116	1	11/22/13 13:15	11/27/13 10:42	88-74-4	
3-Nitroaniline	ND	ug/kg	1880	103	1	11/22/13 13:15	11/27/13 10:42	99-09-2	
4-Nitroaniline	ND	ug/kg	754	106	1	11/22/13 13:15	11/27/13 10:42	100-01-6	
Nitrobenzene	ND	ug/kg	377	103	1	11/22/13 13:15	11/27/13 10:42	98-95-3	
2-Nitrophenol	ND	ug/kg	377	91.4	1	11/22/13 13:15	11/27/13 10:42	88-75-5	
4-Nitrophenol	ND	ug/kg	1880	67.4	1	11/22/13 13:15	11/27/13 10:42	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	377	72.0	1	11/22/13 13:15	11/27/13 10:42	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	377	112	1	11/22/13 13:15	11/27/13 10:42	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	377	101	1	11/22/13 13:15	11/27/13 10:42	108-60-1	
Pentachlorophenol	ND	ug/kg	1880	68.5	1	11/22/13 13:15	11/27/13 10:42	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-205-0-1 **Lab ID: 92180392041** Collected: 11/20/13 16:05 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	377	113	1	11/22/13 13:15	11/27/13 10:42	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	377	137	1	11/22/13 13:15	11/27/13 10:42	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	377	148	1	11/22/13 13:15	11/27/13 10:42	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	377	116	1	11/22/13 13:15	11/27/13 10:42	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	377	83.4	1	11/22/13 13:15	11/27/13 10:42	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	37	%	30-110		1	11/22/13 13:15	11/27/13 10:42	321-60-8	
Terphenyl-d14 (S)	40	%	28-110		1	11/22/13 13:15	11/27/13 10:42	1718-51-0	
Phenol-d6 (S)	38	%	22-110		1	11/22/13 13:15	11/27/13 10:42	13127-88-3	
2-Fluorophenol (S)	37	%	13-110		1	11/22/13 13:15	11/27/13 10:42	367-12-4	
2,4,6-Tribromophenol (S)	34	%	27-110		1	11/22/13 13:15	11/27/13 10:42	118-79-6	
Nitrobenzene-d5 (S)	37	%	23-110		1	11/22/13 13:15	11/27/13 10:42	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.4	1.7	1	11/22/13 10:30	11/27/13 18:41	83-32-9	
Acenaphthylene	ND	ug/kg	11.4	1.5	1	11/22/13 10:30	11/27/13 18:41	208-96-8	
Anthracene	ND	ug/kg	11.4	1.6	1	11/22/13 10:30	11/27/13 18:41	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.4	0.81	1	11/22/13 10:30	11/27/13 18:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.4	1.3	1	11/22/13 10:30	11/27/13 18:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.4	0.77	1	11/22/13 10:30	11/27/13 18:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.4	3.0	1	11/22/13 10:30	11/27/13 18:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.4	1.7	1	11/22/13 10:30	11/27/13 18:41	207-08-9	
Chrysene	ND	ug/kg	11.4	2.1	1	11/22/13 10:30	11/27/13 18:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.4	2.1	1	11/22/13 10:30	11/27/13 18:41	53-70-3	
Fluoranthene	ND	ug/kg	11.4	0.95	1	11/22/13 10:30	11/27/13 18:41	206-44-0	
Fluorene	ND	ug/kg	11.4	1.8	1	11/22/13 10:30	11/27/13 18:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.4	3.2	1	11/22/13 10:30	11/27/13 18:41	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.4	1.4	1	11/22/13 10:30	11/27/13 18:41	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.4	1.3	1	11/22/13 10:30	11/27/13 18:41	91-57-6	
Naphthalene	ND	ug/kg	11.4	2.6	1	11/22/13 10:30	11/27/13 18:41	91-20-3	
Phenanthrene	ND	ug/kg	11.4	1.7	1	11/22/13 10:30	11/27/13 18:41	85-01-8	
Pyrene	ND	ug/kg	11.4	2.1	1	11/22/13 10:30	11/27/13 18:41	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	54	%	10-128		1	11/22/13 10:30	11/27/13 18:41	4165-60-0	
2-Fluorobiphenyl (S)	55	%	10-110		1	11/22/13 10:30	11/27/13 18:41	321-60-8	
Terphenyl-d14 (S)	72	%	39-119		1	11/22/13 10:30	11/27/13 18:41	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**57.3J**	ug/kg	102	10.2	1		11/30/13 01:13	67-64-1	
Benzene	ND	ug/kg	5.1	1.6	1		11/30/13 01:13	71-43-2	
Bromochloromethane	ND	ug/kg	5.1	1.7	1		11/30/13 01:13	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1.9	1		11/30/13 01:13	75-27-4	
Bromoform	ND	ug/kg	5.1	2.3	1		11/30/13 01:13	75-25-2	
Bromomethane	ND	ug/kg	10.2	2.5	1		11/30/13 01:13	74-83-9	
2-Butanone (MEK)	ND	ug/kg	102	3.0	1		11/30/13 01:13	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-205-0-1 **Lab ID: 92180392041** Collected: 11/20/13 16:05 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	10.2	3.1	1		11/30/13 01:13	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	2.6	1		11/30/13 01:13	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1.9	1		11/30/13 01:13	108-90-7	
Chloroethane	ND	ug/kg	10.2	2.4	1		11/30/13 01:13	75-00-3	
Chloroform	ND	ug/kg	5.1	1.6	1		11/30/13 01:13	67-66-3	
Chloromethane	ND	ug/kg	10.2	2.4	1		11/30/13 01:13	74-87-3	
Cyclohexane	ND	ug/kg	5.1	1.6	1		11/30/13 01:13	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	3.7	1		11/30/13 01:13	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1.8	1		11/30/13 01:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1.8	1		11/30/13 01:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1.9	1		11/30/13 01:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	2.0	1		11/30/13 01:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1.7	1		11/30/13 01:13	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.2	3.7	1		11/30/13 01:13	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1.5	1		11/30/13 01:13	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	2.2	1		11/30/13 01:13	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1.8	1		11/30/13 01:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1.4	1		11/30/13 01:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1.9	1		11/30/13 01:13	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1.7	1		11/30/13 01:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1.8	1		11/30/13 01:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1.5	1		11/30/13 01:13	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	153	122	1		11/30/13 01:13	123-91-1	
Ethylbenzene	ND	ug/kg	5.1	1.8	1		11/30/13 01:13	100-41-4	
2-Hexanone	ND	ug/kg	50.9	4.0	1		11/30/13 01:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1.9	1		11/30/13 01:13	98-82-8	
Methyl acetate	ND	ug/kg	10.2	1.4	1		11/30/13 01:13	79-20-9	
Methylcyclohexane	ND	ug/kg	10.2	1.5	1		11/30/13 01:13	108-87-2	
Methylene Chloride	ND	ug/kg	20.4	3.1	1		11/30/13 01:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.9	3.8	1		11/30/13 01:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1.5	1		11/30/13 01:13	1634-04-4	
Styrene	ND	ug/kg	5.1	1.8	1		11/30/13 01:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1.9	1		11/30/13 01:13	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1.7	1		11/30/13 01:13	127-18-4	
Toluene	ND	ug/kg	5.1	1.8	1		11/30/13 01:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	2.2	1		11/30/13 01:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1.6	1		11/30/13 01:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1.8	1		11/30/13 01:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	2.1	1		11/30/13 01:13	79-00-5	
Trichloroethene	**5.0J**	ug/kg	5.1	2.1	1		11/30/13 01:13	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	2.2	1		11/30/13 01:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.1	1.9	1		11/30/13 01:13	76-13-1	
Vinyl chloride	ND	ug/kg	10.2	1.8	1		11/30/13 01:13	75-01-4	
m&p-Xylene	ND	ug/kg	10.2	3.7	1		11/30/13 01:13	179601-23-1	
o-Xylene	ND	ug/kg	5.1	1.9	1		11/30/13 01:13	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-205-0-1 **Lab ID: 92180392041** Collected: 11/20/13 16:05 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		11/30/13 01:13	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		11/30/13 01:13	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-132		1		11/30/13 01:13	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.4**	%	0.10	0.10	1		12/02/13 17:05		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-205-6-7 **Lab ID: 92180392042** Collected: 11/20/13 16:20 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	383	197	1	11/22/13 13:15	11/27/13 11:10	98-86-2	
Atrazine	ND	ug/kg	767	151	1	11/22/13 13:15	11/27/13 11:10	1912-24-9	
Benzaldehyde	ND	ug/kg	767	383	1	11/22/13 13:15	11/27/13 11:10	100-52-7	
Biphenyl (Diphenyl)	ND	ug/kg	383	121	1	11/22/13 13:15	11/27/13 11:10	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	383	69.7	1	11/22/13 13:15	11/27/13 11:10	101-55-3	
Butylbenzylphthalate	ND	ug/kg	383	81.3	1	11/22/13 13:15	11/27/13 11:10	85-68-7	
Caprolactam	ND	ug/kg	383	66.2	1	11/22/13 13:15	11/27/13 11:10	105-60-2	
Carbazole	ND	ug/kg	383	73.2	1	11/22/13 13:15	11/27/13 11:10	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	767	79.0	1	11/22/13 13:15	11/27/13 11:10	59-50-7	
4-Chloroaniline	ND	ug/kg	1920	107	1	11/22/13 13:15	11/27/13 11:10	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	383	89.4	1	11/22/13 13:15	11/27/13 11:10	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	383	97.6	1	11/22/13 13:15	11/27/13 11:10	111-44-4	
2-Chloronaphthalene	ND	ug/kg	383	75.5	1	11/22/13 13:15	11/27/13 11:10	91-58-7	
2-Chlorophenol	ND	ug/kg	383	105	1	11/22/13 13:15	11/27/13 11:10	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	383	79.0	1	11/22/13 13:15	11/27/13 11:10	7005-72-3	
Dibenzofuran	ND	ug/kg	383	62.7	1	11/22/13 13:15	11/27/13 11:10	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1920	83.6	1	11/22/13 13:15	11/27/13 11:10	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	383	83.6	1	11/22/13 13:15	11/27/13 11:10	120-83-2	
Diethylphthalate	ND	ug/kg	383	59.2	1	11/22/13 13:15	11/27/13 11:10	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	383	151	1	11/22/13 13:15	11/27/13 11:10	105-67-9	
Dimethylphthalate	ND	ug/kg	383	77.8	1	11/22/13 13:15	11/27/13 11:10	131-11-3	
Di-n-butylphthalate	ND	ug/kg	383	62.7	1	11/22/13 13:15	11/27/13 11:10	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	767	76.7	1	11/22/13 13:15	11/27/13 11:10	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1920	62.7	1	11/22/13 13:15	11/27/13 11:10	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	383	72.0	1	11/22/13 13:15	11/27/13 11:10	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	383	80.2	1	11/22/13 13:15	11/27/13 11:10	606-20-2	
Di-n-octylphthalate	ND	ug/kg	383	80.2	1	11/22/13 13:15	11/27/13 11:10	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	383	105	1	11/22/13 13:15	11/27/13 11:10	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	383	66.2	1	11/22/13 13:15	11/27/13 11:10	87-68-3	
Hexachlorobenzene	ND	ug/kg	383	48.8	1	11/22/13 13:15	11/27/13 11:10	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	383	70.9	1	11/22/13 13:15	11/27/13 11:10	77-47-4	
Hexachloroethane	ND	ug/kg	383	101	1	11/22/13 13:15	11/27/13 11:10	67-72-1	
Isophorone	ND	ug/kg	383	86.0	1	11/22/13 13:15	11/27/13 11:10	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	383	116	1	11/22/13 13:15	11/27/13 11:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	383	151	1	11/22/13 13:15	11/27/13 11:10		
2-Nitroaniline	ND	ug/kg	1920	118	1	11/22/13 13:15	11/27/13 11:10	88-74-4	
3-Nitroaniline	ND	ug/kg	1920	105	1	11/22/13 13:15	11/27/13 11:10	99-09-2	
4-Nitroaniline	ND	ug/kg	767	108	1	11/22/13 13:15	11/27/13 11:10	100-01-6	
Nitrobenzene	ND	ug/kg	383	105	1	11/22/13 13:15	11/27/13 11:10	98-95-3	
2-Nitrophenol	ND	ug/kg	383	92.9	1	11/22/13 13:15	11/27/13 11:10	88-75-5	
4-Nitrophenol	ND	ug/kg	1920	68.5	1	11/22/13 13:15	11/27/13 11:10	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	383	73.2	1	11/22/13 13:15	11/27/13 11:10	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	383	114	1	11/22/13 13:15	11/27/13 11:10	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	383	102	1	11/22/13 13:15	11/27/13 11:10	108-60-1	
Pentachlorophenol	ND	ug/kg	1920	69.7	1	11/22/13 13:15	11/27/13 11:10	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-205-6-7 **Lab ID: 92180392042** Collected: 11/20/13 16:20 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	383	115	1	11/22/13 13:15	11/27/13 11:10	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	383	139	1	11/22/13 13:15	11/27/13 11:10	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	383	151	1	11/22/13 13:15	11/27/13 11:10	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	383	118	1	11/22/13 13:15	11/27/13 11:10	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	383	84.8	1	11/22/13 13:15	11/27/13 11:10	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	55	%	30-110		1	11/22/13 13:15	11/27/13 11:10	321-60-8	
Terphenyl-d14 (S)	56	%	28-110		1	11/22/13 13:15	11/27/13 11:10	1718-51-0	
Phenol-d6 (S)	51	%	22-110		1	11/22/13 13:15	11/27/13 11:10	13127-88-3	
2-Fluorophenol (S)	53	%	13-110		1	11/22/13 13:15	11/27/13 11:10	367-12-4	
2,4,6-Tribromophenol (S)	51	%	27-110		1	11/22/13 13:15	11/27/13 11:10	118-79-6	
Nitrobenzene-d5 (S)	52	%	23-110		1	11/22/13 13:15	11/27/13 11:10	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	11.6	1.7	1	11/22/13 10:30	11/27/13 19:01	83-32-9	
Acenaphthylene	ND	ug/kg	11.6	1.5	1	11/22/13 10:30	11/27/13 19:01	208-96-8	
Anthracene	ND	ug/kg	11.6	1.6	1	11/22/13 10:30	11/27/13 19:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	11.6	0.82	1	11/22/13 10:30	11/27/13 19:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	11.6	1.3	1	11/22/13 10:30	11/27/13 19:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	11.6	0.78	1	11/22/13 10:30	11/27/13 19:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	11.6	3.0	1	11/22/13 10:30	11/27/13 19:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	11.6	1.7	1	11/22/13 10:30	11/27/13 19:01	207-08-9	
Chrysene	ND	ug/kg	11.6	2.1	1	11/22/13 10:30	11/27/13 19:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	11.6	2.1	1	11/22/13 10:30	11/27/13 19:01	53-70-3	
Fluoranthene	ND	ug/kg	11.6	0.96	1	11/22/13 10:30	11/27/13 19:01	206-44-0	
Fluorene	ND	ug/kg	11.6	1.9	1	11/22/13 10:30	11/27/13 19:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	11.6	3.3	1	11/22/13 10:30	11/27/13 19:01	193-39-5	
1-Methylnaphthalene	ND	ug/kg	11.6	1.4	1	11/22/13 10:30	11/27/13 19:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	11.6	1.3	1	11/22/13 10:30	11/27/13 19:01	91-57-6	
Naphthalene	ND	ug/kg	11.6	2.7	1	11/22/13 10:30	11/27/13 19:01	91-20-3	
Phenanthrene	ND	ug/kg	11.6	1.7	1	11/22/13 10:30	11/27/13 19:01	85-01-8	
Pyrene	ND	ug/kg	11.6	2.1	1	11/22/13 10:30	11/27/13 19:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	54	%	10-128		1	11/22/13 10:30	11/27/13 19:01	4165-60-0	
2-Fluorobiphenyl (S)	56	%	10-110		1	11/22/13 10:30	11/27/13 19:01	321-60-8	
Terphenyl-d14 (S)	66	%	39-119		1	11/22/13 10:30	11/27/13 19:01	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	**55.9J**	ug/kg	95.8	9.6	1		12/01/13 14:57	67-64-1	
Benzene	ND	ug/kg	4.8	1.5	1		12/01/13 14:57	71-43-2	
Bromochloromethane	ND	ug/kg	4.8	1.6	1		12/01/13 14:57	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1.8	1		12/01/13 14:57	75-27-4	
Bromoform	ND	ug/kg	4.8	2.2	1		12/01/13 14:57	75-25-2	
Bromomethane	ND	ug/kg	9.6	2.4	1		12/01/13 14:57	74-83-9	
2-Butanone (MEK)	ND	ug/kg	95.8	2.8	1		12/01/13 14:57	78-93-3	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-205-6-7 **Lab ID: 92180392042** Collected: 11/20/13 16:20 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	9.6	2.9	1		12/01/13 14:57	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.8	2.5	1		12/01/13 14:57	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1.8	1		12/01/13 14:57	108-90-7	
Chloroethane	ND	ug/kg	9.6	2.3	1		12/01/13 14:57	75-00-3	
Chloroform	ND	ug/kg	4.8	1.5	1		12/01/13 14:57	67-66-3	
Chloromethane	ND	ug/kg	9.6	2.3	1		12/01/13 14:57	74-87-3	
Cyclohexane	ND	ug/kg	4.8	1.5	1		12/01/13 14:57	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.8	3.5	1		12/01/13 14:57	96-12-8	
Dibromochloromethane	ND	ug/kg	4.8	1.7	1		12/01/13 14:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1.7	1		12/01/13 14:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	4.8	1.8	1		12/01/13 14:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1.9	1		12/01/13 14:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1.6	1		12/01/13 14:57	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.6	3.5	1		12/01/13 14:57	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1.4	1		12/01/13 14:57	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	2.1	1		12/01/13 14:57	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.8	1.7	1		12/01/13 14:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1.3	1		12/01/13 14:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1.8	1		12/01/13 14:57	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1.6	1		12/01/13 14:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1.7	1		12/01/13 14:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1.4	1		12/01/13 14:57	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	144	115	1		12/01/13 14:57	123-91-1	
Ethylbenzene	ND	ug/kg	4.8	1.7	1		12/01/13 14:57	100-41-4	
2-Hexanone	ND	ug/kg	47.9	3.7	1		12/01/13 14:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1.8	1		12/01/13 14:57	98-82-8	
Methyl acetate	ND	ug/kg	9.6	1.3	1		12/01/13 14:57	79-20-9	
Methylcyclohexane	ND	ug/kg	9.6	1.4	1		12/01/13 14:57	108-87-2	
Methylene Chloride	ND	ug/kg	19.2	2.9	1		12/01/13 14:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	47.9	3.5	1		12/01/13 14:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1.4	1		12/01/13 14:57	1634-04-4	
Styrene	ND	ug/kg	4.8	1.7	1		12/01/13 14:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1.8	1		12/01/13 14:57	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1.6	1		12/01/13 14:57	127-18-4	
Toluene	ND	ug/kg	4.8	1.7	1		12/01/13 14:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	2.1	1		12/01/13 14:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1.5	1		12/01/13 14:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1.7	1		12/01/13 14:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	2.0	1		12/01/13 14:57	79-00-5	
Trichloroethene	**7.3**	ug/kg	4.8	2.0	1		12/01/13 14:57	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	2.1	1		12/01/13 14:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.8	1.8	1		12/01/13 14:57	76-13-1	
Vinyl chloride	ND	ug/kg	9.6	1.7	1		12/01/13 14:57	75-01-4	
m&p-Xylene	ND	ug/kg	9.6	3.5	1		12/01/13 14:57	179601-23-1	
o-Xylene	ND	ug/kg	4.8	1.8	1		12/01/13 14:57	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-205-6-7 **Lab ID: 92180392042** Collected: 11/20/13 16:20 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		12/01/13 14:57	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		12/01/13 14:57	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	70-132		1		12/01/13 14:57	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.9**	%	0.10	0.10	1		12/02/13 17:05		

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-205-14-15 **Lab ID: 92180392043** Collected: 11/20/13 16:30 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acetophenone	ND	ug/kg	414	213	1	11/22/13 14:37	11/26/13 01:00	98-86-2	
Atrazine	ND	ug/kg	828	163	1	11/22/13 14:37	11/26/13 01:00	1912-24-9	
Benzaldehyde	ND	ug/kg	828	414	1	11/22/13 14:37	11/26/13 01:00	100-52-7	
Biphenyl (Diphenyl)	**2880**	ug/kg	414	131	1	11/22/13 14:37	11/26/13 01:00	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	414	75.3	1	11/22/13 14:37	11/26/13 01:00	101-55-3	
Butylbenzylphthalate	ND	ug/kg	414	87.9	1	11/22/13 14:37	11/26/13 01:00	85-68-7	
Caprolactam	ND	ug/kg	414	71.5	1	11/22/13 14:37	11/26/13 01:00	105-60-2	IO
Carbazole	ND	ug/kg	414	79.1	1	11/22/13 14:37	11/26/13 01:00	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	828	85.3	1	11/22/13 14:37	11/26/13 01:00	59-50-7	
4-Chloroaniline	ND	ug/kg	2070	115	1	11/22/13 14:37	11/26/13 01:00	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	414	96.6	1	11/22/13 14:37	11/26/13 01:00	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	414	105	1	11/22/13 14:37	11/26/13 01:00	111-44-4	
2-Chloronaphthalene	ND	ug/kg	414	81.6	1	11/22/13 14:37	11/26/13 01:00	91-58-7	
2-Chlorophenol	ND	ug/kg	414	113	1	11/22/13 14:37	11/26/13 01:00	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	414	85.3	1	11/22/13 14:37	11/26/13 01:00	7005-72-3	
Dibenzofuran	ND	ug/kg	414	67.8	1	11/22/13 14:37	11/26/13 01:00	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	2070	90.4	1	11/22/13 14:37	11/26/13 01:00	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	414	90.4	1	11/22/13 14:37	11/26/13 01:00	120-83-2	
Diethylphthalate	ND	ug/kg	414	64.0	1	11/22/13 14:37	11/26/13 01:00	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	414	163	1	11/22/13 14:37	11/26/13 01:00	105-67-9	
Dimethylphthalate	ND	ug/kg	414	84.1	1	11/22/13 14:37	11/26/13 01:00	131-11-3	
Di-n-butylphthalate	ND	ug/kg	414	67.8	1	11/22/13 14:37	11/26/13 01:00	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	828	82.8	1	11/22/13 14:37	11/26/13 01:00	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2070	67.8	1	11/22/13 14:37	11/26/13 01:00	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	414	77.8	1	11/22/13 14:37	11/26/13 01:00	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	414	86.6	1	11/22/13 14:37	11/26/13 01:00	606-20-2	
Di-n-octylphthalate	ND	ug/kg	414	86.6	1	11/22/13 14:37	11/26/13 01:00	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	414	113	1	11/22/13 14:37	11/26/13 01:00	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/kg	414	71.5	1	11/22/13 14:37	11/26/13 01:00	87-68-3	
Hexachlorobenzene	ND	ug/kg	414	52.7	1	11/22/13 14:37	11/26/13 01:00	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	414	76.6	1	11/22/13 14:37	11/26/13 01:00	77-47-4	
Hexachloroethane	ND	ug/kg	414	109	1	11/22/13 14:37	11/26/13 01:00	67-72-1	
Isophorone	ND	ug/kg	414	92.9	1	11/22/13 14:37	11/26/13 01:00	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/kg	414	126	1	11/22/13 14:37	11/26/13 01:00	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	414	163	1	11/22/13 14:37	11/26/13 01:00		
2-Nitroaniline	ND	ug/kg	2070	128	1	11/22/13 14:37	11/26/13 01:00	88-74-4	
3-Nitroaniline	ND	ug/kg	2070	113	1	11/22/13 14:37	11/26/13 01:00	99-09-2	
4-Nitroaniline	ND	ug/kg	828	117	1	11/22/13 14:37	11/26/13 01:00	100-01-6	
Nitrobenzene	ND	ug/kg	414	113	1	11/22/13 14:37	11/26/13 01:00	98-95-3	
2-Nitrophenol	ND	ug/kg	414	100	1	11/22/13 14:37	11/26/13 01:00	88-75-5	
4-Nitrophenol	ND	ug/kg	2070	74.0	1	11/22/13 14:37	11/26/13 01:00	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	414	79.1	1	11/22/13 14:37	11/26/13 01:00	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	414	123	1	11/22/13 14:37	11/26/13 01:00	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	414	110	1	11/22/13 14:37	11/26/13 01:00	108-60-1	
Pentachlorophenol	ND	ug/kg	2070	75.3	1	11/22/13 14:37	11/26/13 01:00	87-86-5	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-205-14-15 **Lab ID: 92180392043** Collected: 11/20/13 16:30 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Phenol	ND	ug/kg	414	124	1	11/22/13 14:37	11/26/13 01:00	108-95-2	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	414	151	1	11/22/13 14:37	11/26/13 01:00	95-94-3	
2,3,4,6-Tetrachlorophenol	ND	ug/kg	414	163	1	11/22/13 14:37	11/26/13 01:00	58-90-2	
2,4,5-Trichlorophenol	ND	ug/kg	414	128	1	11/22/13 14:37	11/26/13 01:00	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	414	91.6	1	11/22/13 14:37	11/26/13 01:00	88-06-2	
Surrogates									
2-Fluorobiphenyl (S)	59	%	30-110		1	11/22/13 14:37	11/26/13 01:00	321-60-8	
Terphenyl-d14 (S)	68	%	28-110		1	11/22/13 14:37	11/26/13 01:00	1718-51-0	
Phenol-d6 (S)	70	%	22-110		1	11/22/13 14:37	11/26/13 01:00	13127-88-3	
2-Fluorophenol (S)	67	%	13-110		1	11/22/13 14:37	11/26/13 01:00	367-12-4	
2,4,6-Tribromophenol (S)	92	%	27-110		1	11/22/13 14:37	11/26/13 01:00	118-79-6	
Nitrobenzene-d5 (S)	73	%	23-110		1	11/22/13 14:37	11/26/13 01:00	4165-60-0	
8270 MSSV MW PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**414J**	ug/kg	628	94.1	50	11/22/13 14:25	11/26/13 20:41	83-32-9	
Acenaphthylene	ND	ug/kg	628	81.6	50	11/22/13 14:25	11/26/13 20:41	208-96-8	
Anthracene	**531J**	ug/kg	628	87.9	50	11/22/13 14:25	11/26/13 20:41	120-12-7	
Benzo(a)anthracene	ND	ug/kg	628	44.6	50	11/22/13 14:25	11/26/13 20:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	628	69.0	50	11/22/13 14:25	11/26/13 20:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	628	42.0	50	11/22/13 14:25	11/26/13 20:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	628	163	50	11/22/13 14:25	11/26/13 20:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	628	94.1	50	11/22/13 14:25	11/26/13 20:41	207-08-9	
Chrysene	ND	ug/kg	628	113	50	11/22/13 14:25	11/26/13 20:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	628	113	50	11/22/13 14:25	11/26/13 20:41	53-70-3	
Fluoranthene	**137J**	ug/kg	628	52.1	50	11/22/13 14:25	11/26/13 20:41	206-44-0	
Fluorene	**1140**	ug/kg	628	100	50	11/22/13 14:25	11/26/13 20:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	628	176	50	11/22/13 14:25	11/26/13 20:41	193-39-5	
1-Methylnaphthalene	**28200**	ug/kg	628	75.3	50	11/22/13 14:25	11/26/13 20:41	90-12-0	
2-Methylnaphthalene	**25800**	ug/kg	628	69.0	50	11/22/13 14:25	11/26/13 20:41	91-57-6	
Naphthalene	ND	ug/kg	628	144	50	11/22/13 14:25	11/26/13 20:41	91-20-3	
Phenanthrene	**9610**	ug/kg	628	94.1	50	11/22/13 14:25	11/26/13 20:41	85-01-8	
Pyrene	**519J**	ug/kg	628	113	50	11/22/13 14:25	11/26/13 20:41	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	0	%	10-128		50	11/22/13 14:25	11/26/13 20:41	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	10-110		50	11/22/13 14:25	11/26/13 20:41	321-60-8	
Terphenyl-d14 (S)	0	%	39-119		50	11/22/13 14:25	11/26/13 20:41	1718-51-0	
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Acetone	ND	ug/kg	11300	1130	100		12/01/13 15:17	67-64-1	
Benzene	ND	ug/kg	564	181	100		12/01/13 15:17	71-43-2	
Bromochloromethane	ND	ug/kg	564	192	100		12/01/13 15:17	74-97-5	
Bromodichloromethane	ND	ug/kg	564	214	100		12/01/13 15:17	75-27-4	
Bromoform	ND	ug/kg	564	260	100		12/01/13 15:17	75-25-2	
Bromomethane	ND	ug/kg	1130	282	100		12/01/13 15:17	74-83-9	
2-Butanone (MEK)	ND	ug/kg	11300	327	100		12/01/13 15:17	78-93-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-205-14-15 **Lab ID: 92180392043** Collected: 11/20/13 16:30 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Carbon disulfide	ND	ug/kg	1130	339	100		12/01/13 15:17	75-15-0	
Carbon tetrachloride	ND	ug/kg	564	293	100		12/01/13 15:17	56-23-5	
Chlorobenzene	ND	ug/kg	564	214	100		12/01/13 15:17	108-90-7	
Chloroethane	ND	ug/kg	1130	271	100		12/01/13 15:17	75-00-3	
Chloroform	ND	ug/kg	564	181	100		12/01/13 15:17	67-66-3	
Chloromethane	ND	ug/kg	1130	271	100		12/01/13 15:17	74-87-3	
Cyclohexane	ND	ug/kg	564	181	100		12/01/13 15:17	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	564	406	100		12/01/13 15:17	96-12-8	
Dibromochloromethane	ND	ug/kg	564	203	100		12/01/13 15:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	564	203	100		12/01/13 15:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	564	214	100		12/01/13 15:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	564	226	100		12/01/13 15:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	564	192	100		12/01/13 15:17	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	1130	406	100		12/01/13 15:17	75-71-8	1g
1,1-Dichloroethane	ND	ug/kg	564	169	100		12/01/13 15:17	75-34-3	
1,2-Dichloroethane	ND	ug/kg	564	248	100		12/01/13 15:17	107-06-2	
1,1-Dichloroethene	ND	ug/kg	564	203	100		12/01/13 15:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	564	158	100		12/01/13 15:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	564	214	100		12/01/13 15:17	156-60-5	
1,2-Dichloropropane	ND	ug/kg	564	192	100		12/01/13 15:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	564	203	100		12/01/13 15:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	564	169	100		12/01/13 15:17	10061-02-6	
1,4-Dioxane (p-Dioxane)	ND	ug/kg	16900	13500	100		12/01/13 15:17	123-91-1	
Ethylbenzene	**719**	ug/kg	564	203	100		12/01/13 15:17	100-41-4	
2-Hexanone	ND	ug/kg	5640	440	100		12/01/13 15:17	591-78-6	
Isopropylbenzene (Cumene)	**706**	ug/kg	564	214	100		12/01/13 15:17	98-82-8	
Methyl acetate	ND	ug/kg	1130	158	100		12/01/13 15:17	79-20-9	
Methylcyclohexane	ND	ug/kg	1130	169	100		12/01/13 15:17	108-87-2	
Methylene Chloride	ND	ug/kg	2260	339	100		12/01/13 15:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	5640	418	100		12/01/13 15:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	564	169	100		12/01/13 15:17	1634-04-4	
Styrene	ND	ug/kg	564	203	100		12/01/13 15:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	564	214	100		12/01/13 15:17	79-34-5	
Tetrachloroethene	ND	ug/kg	564	192	100		12/01/13 15:17	127-18-4	
Toluene	ND	ug/kg	564	203	100		12/01/13 15:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	564	248	100		12/01/13 15:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	564	181	100		12/01/13 15:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	564	203	100		12/01/13 15:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	564	237	100		12/01/13 15:17	79-00-5	
Trichloroethene	**19400**	ug/kg	564	237	100		12/01/13 15:17	79-01-6	
Trichlorofluoromethane	ND	ug/kg	564	248	100		12/01/13 15:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	564	214	100		12/01/13 15:17	76-13-1	
Vinyl chloride	ND	ug/kg	1130	203	100		12/01/13 15:17	75-01-4	
m&p-Xylene	ND	ug/kg	1130	406	100		12/01/13 15:17	179601-23-1	
o-Xylene	**1850**	ug/kg	564	214	100		12/01/13 15:17	95-47-6	

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ANALYTICAL RESULTS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Sample: CTSCSS-SB-205-14-15 **Lab ID: 92180392043** Collected: 11/20/13 16:30 Received: 11/21/13 07:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	101	%	70-130		100		12/01/13 15:17	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		100		12/01/13 15:17	460-00-4	
1,2-Dichloroethane-d4 (S)	130	%	70-132		100		12/01/13 15:17	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.3**	%	0.10	0.10	1		12/02/13 17:05		

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

QC Batch: MSV/25057 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92180392001, 92180392002, 92180392003, 92180392004, 92180392005, 92180392006, 92180392007, 92180392008, 92180392009, 92180392010, 92180392011, 92180392012, 92180392013, 92180392014, 92180392016, 92180392017, 92180392018, 92180392020

METHOD BLANK: 1095418 Matrix: Solid
Associated Lab Samples: 92180392001, 92180392002, 92180392003, 92180392004, 92180392005, 92180392006, 92180392007, 92180392008, 92180392009, 92180392010, 92180392011, 92180392012, 92180392013, 92180392014, 92180392016, 92180392017, 92180392018, 92180392020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.2	11/27/13 11:59	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.2	11/27/13 11:59	
1,1,2-Trichloroethane	ug/kg	ND	5.2	11/27/13 11:59	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	5.2	11/27/13 11:59	
1,1-Dichloroethane	ug/kg	ND	5.2	11/27/13 11:59	
1,1-Dichloroethene	ug/kg	ND	5.2	11/27/13 11:59	
1,2,3-Trichlorobenzene	ug/kg	ND	5.2	11/27/13 11:59	
1,2,4-Trichlorobenzene	ug/kg	ND	5.2	11/27/13 11:59	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.2	11/27/13 11:59	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.2	11/27/13 11:59	
1,2-Dichlorobenzene	ug/kg	ND	5.2	11/27/13 11:59	
1,2-Dichloroethane	ug/kg	ND	5.2	11/27/13 11:59	
1,2-Dichloropropane	ug/kg	ND	5.2	11/27/13 11:59	
1,3-Dichlorobenzene	ug/kg	ND	5.2	11/27/13 11:59	
1,4-Dichlorobenzene	ug/kg	ND	5.2	11/27/13 11:59	
1,4-Dioxane (p-Dioxane)	ug/kg	ND	157	11/27/13 11:59	
2-Butanone (MEK)	ug/kg	ND	104	11/27/13 11:59	
2-Hexanone	ug/kg	ND	52.2	11/27/13 11:59	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	52.2	11/27/13 11:59	
Acetone	ug/kg	ND	104	11/27/13 11:59	
Benzene	ug/kg	ND	5.2	11/27/13 11:59	
Bromochloromethane	ug/kg	ND	5.2	11/27/13 11:59	
Bromodichloromethane	ug/kg	ND	5.2	11/27/13 11:59	
Bromoform	ug/kg	ND	5.2	11/27/13 11:59	
Bromomethane	ug/kg	ND	10.4	11/27/13 11:59	
Carbon disulfide	ug/kg	ND	10.4	11/27/13 11:59	
Carbon tetrachloride	ug/kg	ND	5.2	11/27/13 11:59	
Chlorobenzene	ug/kg	ND	5.2	11/27/13 11:59	
Chloroethane	ug/kg	ND	10.4	11/27/13 11:59	
Chloroform	ug/kg	ND	5.2	11/27/13 11:59	
Chloromethane	ug/kg	ND	10.4	11/27/13 11:59	
cis-1,2-Dichloroethene	ug/kg	ND	5.2	11/27/13 11:59	
cis-1,3-Dichloropropene	ug/kg	ND	5.2	11/27/13 11:59	
Cyclohexane	ug/kg	ND	5.2	11/27/13 11:59	
Dibromochloromethane	ug/kg	ND	5.2	11/27/13 11:59	
Dichlorodifluoromethane	ug/kg	ND	10.4	11/27/13 11:59	
Ethylbenzene	ug/kg	ND	5.2	11/27/13 11:59	
Isopropylbenzene (Cumene)	ug/kg	ND	5.2	11/27/13 11:59	
m&p-Xylene	ug/kg	ND	10.4	11/27/13 11:59	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

METHOD BLANK: 1095418 Matrix: Solid

Associated Lab Samples: 92180392001, 92180392002, 92180392003, 92180392004, 92180392005, 92180392006, 92180392007, 92180392008, 92180392009, 92180392010, 92180392011, 92180392012, 92180392013, 92180392014, 92180392016, 92180392017, 92180392018, 92180392020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methyl acetate	ug/kg	ND	10.4	11/27/13 11:59	
Methyl-tert-butyl ether	ug/kg	ND	5.2	11/27/13 11:59	
Methylcyclohexane	ug/kg	ND	10.4	11/27/13 11:59	
Methylene Chloride	ug/kg	ND	20.9	11/27/13 11:59	
o-Xylene	ug/kg	ND	5.2	11/27/13 11:59	
Styrene	ug/kg	ND	5.2	11/27/13 11:59	
Tetrachloroethene	ug/kg	ND	5.2	11/27/13 11:59	
Toluene	ug/kg	ND	5.2	11/27/13 11:59	
trans-1,2-Dichloroethene	ug/kg	ND	5.2	11/27/13 11:59	
trans-1,3-Dichloropropene	ug/kg	ND	5.2	11/27/13 11:59	
Trichloroethene	ug/kg	ND	5.2	11/27/13 11:59	
Trichlorofluoromethane	ug/kg	ND	5.2	11/27/13 11:59	
Vinyl chloride	ug/kg	ND	10.4	11/27/13 11:59	
1,2-Dichloroethane-d4 (S)	%	99	70-132	11/27/13 11:59	
4-Bromofluorobenzene (S)	%	105	70-130	11/27/13 11:59	
Toluene-d8 (S)	%	100	70-130	11/27/13 11:59	

LABORATORY CONTROL SAMPLE: 1095419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	54.5	57.2	105	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	54.5	55.7	102	70-130	
1,1,2-Trichloroethane	ug/kg	54.5	56.6	104	70-132	
1,1,2-Trichlorotrifluoroethane	ug/kg	54.5	62.8	115	70-130	
1,1-Dichloroethane	ug/kg	54.5	53.2	98	70-143	
1,1-Dichloroethene	ug/kg	54.5	55.3	101	70-137	
1,2,3-Trichlorobenzene	ug/kg	54.5	59.4	109	69-153	
1,2,4-Trichlorobenzene	ug/kg	54.5	60.0	110	55-171	
1,2-Dibromo-3-chloropropane	ug/kg	54.5	54.3	100	68-141	
1,2-Dibromoethane (EDB)	ug/kg	54.5	56.0	103	70-130	
1,2-Dichlorobenzene	ug/kg	54.5	58.6	107	70-140	
1,2-Dichloroethane	ug/kg	54.5	53.6	98	70-137	
1,2-Dichloropropane	ug/kg	54.5	56.5	104	70-133	
1,3-Dichlorobenzene	ug/kg	54.5	57.4	105	70-144	
1,4-Dichlorobenzene	ug/kg	54.5	57.6	106	70-142	
1,4-Dioxane (p-Dioxane)	ug/kg	1090	1080	99	70-130	
2-Butanone (MEK)	ug/kg	109	106J	97	70-149	
2-Hexanone	ug/kg	109	115	105	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	109	113	104	70-153	
Acetone	ug/kg	109	112	103	70-157	
Benzene	ug/kg	54.5	57.7	106	70-130	
Bromochloromethane	ug/kg	54.5	53.4	98	70-149	
Bromodichloromethane	ug/kg	54.5	59.5	109	70-130	
Bromoform	ug/kg	54.5	63.7	117	70-131	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

LABORATORY CONTROL SAMPLE: 1095419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/kg	54.5	67.3	124	64-136	
Carbon disulfide	ug/kg	54.5	50.3	92	70-130	
Carbon tetrachloride	ug/kg	54.5	60.4	111	70-154	
Chlorobenzene	ug/kg	54.5	58.0	106	70-135	
Chloroethane	ug/kg	54.5	54.6	100	68-151	
Chloroform	ug/kg	54.5	54.4	100	70-130	
Chloromethane	ug/kg	54.5	55.8	102	70-132	
cis-1,2-Dichloroethene	ug/kg	54.5	50.2	92	70-140	
cis-1,3-Dichloropropene	ug/kg	54.5	57.7	106	70-137	
Cyclohexane	ug/kg	54.5	57.4	105	70-130	
Dibromochloromethane	ug/kg	54.5	58.6	108	70-130	
Dichlorodifluoromethane	ug/kg	54.5	64.5	118	36-148	
Ethylbenzene	ug/kg	54.5	59.4	109	70-137	
Isopropylbenzene (Cumene)	ug/kg	54.5	62.9	115	70-141	
m&p-Xylene	ug/kg	109	124	114	70-140	
Methyl acetate	ug/kg	54.5	60.0	110	70-130	F3
Methyl-tert-butyl ether	ug/kg	54.5	53.9	99	45-150	
Methylcyclohexane	ug/kg	54.5	66.0	121	70-130	
Methylene Chloride	ug/kg	54.5	47.7	88	70-133	
o-Xylene	ug/kg	54.5	59.4	109	70-141	
Styrene	ug/kg	54.5	62.0	114	70-138	
Tetrachloroethene	ug/kg	54.5	69.3	127	70-140	
Toluene	ug/kg	54.5	58.9	108	70-130	
trans-1,2-Dichloroethene	ug/kg	54.5	53.0	97	70-136	
trans-1,3-Dichloropropene	ug/kg	54.5	57.7	106	70-138	
Trichloroethene	ug/kg	54.5	60.7	111	70-132	
Trichlorofluoromethane	ug/kg	54.5	61.7	113	69-134	
Vinyl chloride	ug/kg	54.5	55.4	102	55-140	
1,2-Dichloroethane-d4 (S)	%			97	70-132	
4-Bromofluorobenzene (S)	%			108	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1095420 1095421

Parameter	Units	92180392020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	ND	57.3	57.8	62.2	63.7	109	110	70-130	2	30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	57.3	57.8	58.6	57.9	102	100	70-130	1	30	
1,1,2-Trichloroethane	ug/kg	ND	57.3	57.8	60.8	61.4	106	106	70-130	1	30	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	57.3	57.8	67.7	70.0	118	121	70-130	3	30	
1,1-Dichloroethane	ug/kg	ND	57.3	57.8	57.2	59.1	100	102	70-130	3	30	
1,1-Dichloroethene	ug/kg	ND	57.3	57.8	57.1	58.2	100	101	49-180	2	30	
1,2,3-Trichlorobenzene	ug/kg	ND	57.3	57.8	66.9	63.6	117	110	70-130	5	30	
1,2,4-Trichlorobenzene	ug/kg	ND	57.3	57.8	67.3	64.7	117	112	70-130	4	30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	57.3	57.8	59.4	52.7	104	91	70-130	12	30	
1,2-Dibromoethane (EDB)	ug/kg	ND	57.3	57.8	59.0	59.4	103	103	70-130	1	30	
1,2-Dichlorobenzene	ug/kg	ND	57.3	57.8	64.0	61.8	112	107	70-130	4	30	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1095420 1095421

Parameter	Units	92180392020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/kg	ND	57.3	57.8	58.4	60.5	102	105	70-130	4	30	
1,2-Dichloropropane	ug/kg	ND	57.3	57.8	61.4	58.5	107	101	70-130	5	30	
1,3-Dichlorobenzene	ug/kg	ND	57.3	57.8	63.6	61.2	111	106	70-130	4	30	
1,4-Dichlorobenzene	ug/kg	ND	57.3	57.8	64.9	61.5	113	106	70-130	5	30	
1,4-Dioxane (p-Dioxane)	ug/kg	ND	1150	1150	1260	1170	110	101	70-130	8	30	
2-Butanone (MEK)	ug/kg	ND	115	115	111J	123	97	107	70-130		30	
2-Hexanone	ug/kg	ND	115	115	124	124	108	107	70-130	0	30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	115	115	123	119	108	103	70-130	4	30	
Acetone	ug/kg	23.2J	115	115	135	143	97	104	70-130	6	30	
Benzene	ug/kg	ND	57.3	57.8	62.6	61.3	109	106	50-166	2	30	
Bromochloromethane	ug/kg	ND	57.3	57.8	57.7	60.7	101	105	70-130	5	30	
Bromodichloromethane	ug/kg	ND	57.3	57.8	62.6	61.5	109	106	70-130	2	30	
Bromoform	ug/kg	ND	57.3	57.8	65.0	67.6	113	117	70-130	4	30	
Bromomethane	ug/kg	ND	57.3	57.8	64.6	72.3	113	125	70-130	11	30	
Carbon disulfide	ug/kg	ND	57.3	57.8	52.6	55.6	92	96	70-130	5	30	
Carbon tetrachloride	ug/kg	ND	57.3	57.8	66.5	63.8	116	110	70-130	4	30	
Chlorobenzene	ug/kg	ND	57.3	57.8	62.4	62.0	109	107	43-169	1	30	
Chloroethane	ug/kg	ND	57.3	57.8	52.6	54.8	92	95	70-130	4	30	
Chloroform	ug/kg	ND	57.3	57.8	59.1	60.7	103	105	70-130	3	30	
Chloromethane	ug/kg	ND	57.3	57.8	54.4	60.5	95	105	70-130	11	30	
cis-1,2-Dichloroethene	ug/kg	ND	57.3	57.8	53.9	55.8	94	97	70-130	3	30	
cis-1,3-Dichloropropene	ug/kg	ND	57.3	57.8	60.6	58.5	106	101	70-130	4	30	
Cyclohexane	ug/kg	ND	57.3	57.8	63.4	66.3	111	115	70-130	4	30	
Dibromochloromethane	ug/kg	ND	57.3	57.8	61.5	61.8	107	107	70-130	0	30	
Dichlorodifluoromethane	ug/kg	ND	57.3	57.8	56.9	55.2	99	96	70-130	3	30	
Ethylbenzene	ug/kg	ND	57.3	57.8	64.9	63.8	113	110	70-130	2	30	
Isopropylbenzene (Cumene)	ug/kg	ND	57.3	57.8	68.5	67.7	119	117	70-130	1	30	
m&p-Xylene	ug/kg	ND	115	115	132	132	115	114	70-130	0	30	
Methyl acetate	ug/kg	ND	57.3	57.8	74.2	68.3	129	118	70-130	8	30	
Methyl-tert-butyl ether	ug/kg	ND	57.3	57.8	56.7	61.9	99	107	70-130	9	30	
Methylcyclohexane	ug/kg	ND	57.3	57.8	72.4	70.7	126	122	70-130	2	30	
Methylene Chloride	ug/kg	ND	57.3	57.8	53.6	55.4	94	96	70-130	3	30	
o-Xylene	ug/kg	ND	57.3	57.8	64.2	64.0	112	111	70-130	0	30	
Styrene	ug/kg	ND	57.3	57.8	57.4	55.3	100	96	70-130	4	30	
Tetrachloroethene	ug/kg	ND	57.3	57.8	76.4	74.6	133	129	70-130	2	30	M0
Toluene	ug/kg	ND	57.3	57.8	64.0	61.3	112	106	52-163	4	30	
trans-1,2-Dichloroethene	ug/kg	ND	57.3	57.8	56.1	60.1	98	104	70-130	7	30	
trans-1,3-Dichloropropene	ug/kg	ND	57.3	57.8	61.2	59.5	107	103	70-130	3	30	
Trichloroethene	ug/kg	3.3J	57.3	57.8	75.6	73.6	126	122	49-167	3	30	
Trichlorofluoromethane	ug/kg	ND	57.3	57.8	66.4	68.3	116	118	70-130	3	30	
Vinyl chloride	ug/kg	ND	57.3	57.8	53.1	50.1	93	87	70-130	6	30	
1,2-Dichloroethane-d4 (S)	%						97	106	70-132			
4-Bromofluorobenzene (S)	%						107	110	70-130			
Toluene-d8 (S)	%						98	98	70-130			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

QC Batch: MSV/25086 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92180392015, 92180392019, 92180392021, 92180392022, 92180392023, 92180392024, 92180392025, 92180392026, 92180392027, 92180392028, 92180392029, 92180392030, 92180392031, 92180392032, 92180392033, 92180392034, 92180392035

METHOD BLANK: 1096330 Matrix: Solid
Associated Lab Samples: 92180392015, 92180392019, 92180392021, 92180392022, 92180392023, 92180392024, 92180392025, 92180392026, 92180392027, 92180392028, 92180392029, 92180392030, 92180392031, 92180392032, 92180392033, 92180392034, 92180392035

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.7	11/29/13 15:43	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.7	11/29/13 15:43	
1,1,2-Trichloroethane	ug/kg	ND	5.7	11/29/13 15:43	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	5.7	11/29/13 15:43	
1,1-Dichloroethane	ug/kg	ND	5.7	11/29/13 15:43	
1,1-Dichloroethene	ug/kg	ND	5.7	11/29/13 15:43	
1,2,3-Trichlorobenzene	ug/kg	ND	5.7	11/29/13 15:43	
1,2,4-Trichlorobenzene	ug/kg	ND	5.7	11/29/13 15:43	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.7	11/29/13 15:43	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.7	11/29/13 15:43	
1,2-Dichlorobenzene	ug/kg	ND	5.7	11/29/13 15:43	
1,2-Dichloroethane	ug/kg	ND	5.7	11/29/13 15:43	
1,2-Dichloropropane	ug/kg	ND	5.7	11/29/13 15:43	
1,3-Dichlorobenzene	ug/kg	ND	5.7	11/29/13 15:43	
1,4-Dichlorobenzene	ug/kg	ND	5.7	11/29/13 15:43	
1,4-Dioxane (p-Dioxane)	ug/kg	ND	171	11/29/13 15:43	
2-Butanone (MEK)	ug/kg	ND	114	11/29/13 15:43	
2-Hexanone	ug/kg	ND	56.9	11/29/13 15:43	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	56.9	11/29/13 15:43	
Acetone	ug/kg	ND	114	11/29/13 15:43	
Benzene	ug/kg	ND	5.7	11/29/13 15:43	
Bromochloromethane	ug/kg	ND	5.7	11/29/13 15:43	
Bromodichloromethane	ug/kg	ND	5.7	11/29/13 15:43	
Bromoform	ug/kg	ND	5.7	11/29/13 15:43	
Bromomethane	ug/kg	ND	11.4	11/29/13 15:43	
Carbon disulfide	ug/kg	ND	11.4	11/29/13 15:43	
Carbon tetrachloride	ug/kg	ND	5.7	11/29/13 15:43	
Chlorobenzene	ug/kg	ND	5.7	11/29/13 15:43	
Chloroethane	ug/kg	ND	11.4	11/29/13 15:43	
Chloroform	ug/kg	ND	5.7	11/29/13 15:43	
Chloromethane	ug/kg	ND	11.4	11/29/13 15:43	
cis-1,2-Dichloroethene	ug/kg	ND	5.7	11/29/13 15:43	
cis-1,3-Dichloropropene	ug/kg	ND	5.7	11/29/13 15:43	
Cyclohexane	ug/kg	ND	5.7	11/29/13 15:43	
Dibromochloromethane	ug/kg	ND	5.7	11/29/13 15:43	
Dichlorodifluoromethane	ug/kg	ND	11.4	11/29/13 15:43	
Ethylbenzene	ug/kg	ND	5.7	11/29/13 15:43	
Isopropylbenzene (Cumene)	ug/kg	ND	5.7	11/29/13 15:43	
m&p-Xylene	ug/kg	ND	11.4	11/29/13 15:43	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

METHOD BLANK: 1096330 Matrix: Solid

Associated Lab Samples: 92180392015, 92180392019, 92180392021, 92180392022, 92180392023, 92180392024, 92180392025, 92180392026, 92180392027, 92180392028, 92180392029, 92180392030, 92180392031, 92180392032, 92180392033, 92180392034, 92180392035

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methyl acetate	ug/kg	ND	11.4	11/29/13 15:43	
Methyl-tert-butyl ether	ug/kg	ND	5.7	11/29/13 15:43	
Methylcyclohexane	ug/kg	ND	11.4	11/29/13 15:43	
Methylene Chloride	ug/kg	ND	22.8	11/29/13 15:43	
o-Xylene	ug/kg	ND	5.7	11/29/13 15:43	
Styrene	ug/kg	ND	5.7	11/29/13 15:43	
Tetrachloroethene	ug/kg	ND	5.7	11/29/13 15:43	
Toluene	ug/kg	ND	5.7	11/29/13 15:43	
trans-1,2-Dichloroethene	ug/kg	ND	5.7	11/29/13 15:43	
trans-1,3-Dichloropropene	ug/kg	ND	5.7	11/29/13 15:43	
Trichloroethene	ug/kg	ND	5.7	11/29/13 15:43	
Trichlorofluoromethane	ug/kg	ND	5.7	11/29/13 15:43	
Vinyl chloride	ug/kg	ND	11.4	11/29/13 15:43	
1,2-Dichloroethane-d4 (S)	%	104	70-132	11/29/13 15:43	
4-Bromofluorobenzene (S)	%	100	70-130	11/29/13 15:43	
Toluene-d8 (S)	%	102	70-130	11/29/13 15:43	

LABORATORY CONTROL SAMPLE: 1096331

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	53.8	53.9	100	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	53.8	60.8	113	70-130	
1,1,2-Trichloroethane	ug/kg	53.8	60.0	112	70-132	
1,1,2-Trichlorotrifluoroethane	ug/kg	53.8	59.6	111	70-130	
1,1-Dichloroethane	ug/kg	53.8	53.7	100	70-143	
1,1-Dichloroethene	ug/kg	53.8	52.6	98	70-137	
1,2,3-Trichlorobenzene	ug/kg	53.8	53.6	100	69-153	
1,2,4-Trichlorobenzene	ug/kg	53.8	51.1	95	55-171	
1,2-Dibromo-3-chloropropane	ug/kg	53.8	58.6	109	68-141	
1,2-Dibromoethane (EDB)	ug/kg	53.8	57.9	108	70-130	
1,2-Dichlorobenzene	ug/kg	53.8	53.0	99	70-140	
1,2-Dichloroethane	ug/kg	53.8	58.3	108	70-137	
1,2-Dichloropropane	ug/kg	53.8	55.6	103	70-133	
1,3-Dichlorobenzene	ug/kg	53.8	50.1	93	70-144	
1,4-Dichlorobenzene	ug/kg	53.8	52.2	97	70-142	
1,4-Dioxane (p-Dioxane)	ug/kg	1080	1380	129	70-130	
2-Butanone (MEK)	ug/kg	108	134	125	70-149	
2-Hexanone	ug/kg	108	130	121	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	108	126	117	70-153	
Acetone	ug/kg	108	134	125	70-157	
Benzene	ug/kg	53.8	54.1	101	70-130	
Bromochloromethane	ug/kg	53.8	62.8	117	70-149	
Bromodichloromethane	ug/kg	53.8	56.6	105	70-130	
Bromoform	ug/kg	53.8	59.4	110	70-131	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

LABORATORY CONTROL SAMPLE: 1096331

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/kg	53.8	71.7	133	64-136	F3
Carbon disulfide	ug/kg	53.8	54.7	102	70-130	
Carbon tetrachloride	ug/kg	53.8	51.4	96	70-154	
Chlorobenzene	ug/kg	53.8	52.2	97	70-135	
Chloroethane	ug/kg	53.8	58.5	109	68-151	
Chloroform	ug/kg	53.8	56.4	105	70-130	
Chloromethane	ug/kg	53.8	60.5	112	70-132	
cis-1,2-Dichloroethene	ug/kg	53.8	55.9	104	70-140	
cis-1,3-Dichloropropene	ug/kg	53.8	57.2	106	70-137	
Cyclohexane	ug/kg	53.8	59.1	110	70-130	
Dibromochloromethane	ug/kg	53.8	57.4	107	70-130	
Dichlorodifluoromethane	ug/kg	53.8	65.3	122	36-148	
Ethylbenzene	ug/kg	53.8	52.5	98	70-137	
Isopropylbenzene (Cumene)	ug/kg	53.8	54.7	102	70-141	
m&p-Xylene	ug/kg	108	108	101	70-140	
Methyl acetate	ug/kg	53.8	49.1	91	70-130	
Methyl-tert-butyl ether	ug/kg	53.8	60.9	113	45-150	
Methylcyclohexane	ug/kg	53.8	57.5	107	70-130	
Methylene Chloride	ug/kg	53.8	56.6	105	70-133	
o-Xylene	ug/kg	53.8	55.2	103	70-141	
Styrene	ug/kg	53.8	56.2	105	70-138	
Tetrachloroethene	ug/kg	53.8	56.7	105	70-140	
Toluene	ug/kg	53.8	53.7	100	70-130	
trans-1,2-Dichloroethene	ug/kg	53.8	52.4	98	70-136	
trans-1,3-Dichloropropene	ug/kg	53.8	59.3	110	70-138	
Trichloroethene	ug/kg	53.8	51.5	96	70-132	
Trichlorofluoromethane	ug/kg	53.8	56.9	106	69-134	
Vinyl chloride	ug/kg	53.8	56.8	106	55-140	
1,2-Dichloroethane-d4 (S)	%			111	70-132	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1096332 1096333

Parameter	Units	92180392034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	ND	57.9	53	52.3	47.8	90	90	70-130	9	30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	57.9	53	60.0	51.9	104	98	70-130	14	30	
1,1,2-Trichloroethane	ug/kg	ND	57.9	53	57.8	52.2	100	98	70-130	10	30	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	57.9	53	61.6	54.5	107	103	70-130	12	30	
1,1-Dichloroethane	ug/kg	ND	57.9	53	47.4	44.5	82	84	70-130	6	30	
1,1-Dichloroethene	ug/kg	ND	57.9	53	48.3	43.4	84	82	49-180	11	30	
1,2,3-Trichlorobenzene	ug/kg	ND	57.9	53	52.2	51.0	90	96	70-130	2	30	
1,2,4-Trichlorobenzene	ug/kg	ND	57.9	53	50.2	48.0	87	91	70-130	4	30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	57.9	53	55.7	52.8	96	100	70-130	5	30	
1,2-Dibromoethane (EDB)	ug/kg	ND	57.9	53	56.8	52.5	98	99	70-130	8	30	
1,2-Dichlorobenzene	ug/kg	ND	57.9	53	54.4	49.8	94	94	70-130	9	30	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1096332 1096333

Parameter	Units	92180392034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/kg	ND	57.9	53	56.1	51.0	97	96	70-130	10	30	
1,2-Dichloropropane	ug/kg	ND	57.9	53	50.0	46.9	86	88	70-130	6	30	
1,3-Dichlorobenzene	ug/kg	ND	57.9	53	52.4	48.5	91	92	70-130	8	30	
1,4-Dichlorobenzene	ug/kg	ND	57.9	53	52.6	49.7	91	94	70-130	6	30	
1,4-Dioxane (p-Dioxane)	ug/kg	ND	1160	1060	1310	1370	114	129	70-130	4	30	
2-Butanone (MEK)	ug/kg	ND	116	106	117	108	101	102	70-130	8	30	
2-Hexanone	ug/kg	ND	116	106	122	111	106	104	70-130	10	30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	116	106	115	107	99	101	70-130	7	30	
Acetone	ug/kg	106	116	106	184	183	68	73	70-130	0	30	M0
Benzene	ug/kg	ND	57.9	53	50.6	45.3	87	85	50-166	11	30	
Bromochloromethane	ug/kg	ND	57.9	53	53.8	52.7	93	99	70-130	2	30	
Bromodichloromethane	ug/kg	ND	57.9	53	53.9	48.9	93	92	70-130	10	30	
Bromoform	ug/kg	ND	57.9	53	59.3	55.5	102	105	70-130	7	30	
Bromomethane	ug/kg	ND	57.9	53	51.6	54.8	89	103	70-130	6	30	
Carbon disulfide	ug/kg	ND	57.9	53	49.9	43.5	86	82	70-130	14	30	
Carbon tetrachloride	ug/kg	ND	57.9	53	52.3	46.5	90	88	70-130	12	30	
Chlorobenzene	ug/kg	ND	57.9	53	54.2	49.1	94	93	43-169	10	30	
Chloroethane	ug/kg	ND	57.9	53	49.5	41.9	86	79	70-130	17	30	
Chloroform	ug/kg	ND	57.9	53	52.5	47.4	91	89	70-130	10	30	
Chloromethane	ug/kg	ND	57.9	53	48.8	45.3	84	85	70-130	7	30	
cis-1,2-Dichloroethene	ug/kg	ND	57.9	53	49.7	46.9	86	88	70-130	6	30	
cis-1,3-Dichloropropene	ug/kg	ND	57.9	53	52.5	48.8	91	92	70-130	7	30	
Cyclohexane	ug/kg	ND	57.9	53	56.0	49.7	97	94	70-130	12	30	
Dibromochloromethane	ug/kg	ND	57.9	53	58.3	52.8	101	100	70-130	10	30	
Dichlorodifluoromethane	ug/kg	ND	57.9	53	52.7	43.7	91	82	70-130	19	30	
Ethylbenzene	ug/kg	ND	57.9	53	54.0	48.9	93	92	70-130	10	30	
Isopropylbenzene (Cumene)	ug/kg	ND	57.9	53	56.6	51.1	98	96	70-130	10	30	
m&p-Xylene	ug/kg	ND	116	106	113	103	98	97	70-130	10	30	
Methyl acetate	ug/kg	ND	57.9	53	49.4	44.3	85	83	70-130	11	30	
Methyl-tert-butyl ether	ug/kg	ND	57.9	53	55.5	50.2	96	95	70-130	10	30	
Methylcyclohexane	ug/kg	ND	57.9	53	59.6	51.4	103	97	70-130	15	30	
Methylene Chloride	ug/kg	ND	57.9	53	53.0	47.6	92	90	70-130	11	30	
o-Xylene	ug/kg	ND	57.9	53	55.4	50.2	96	95	70-130	10	30	
Styrene	ug/kg	ND	57.9	53	36.5	36.7	63	69	70-130	1	30	M0
Tetrachloroethene	ug/kg	ND	57.9	53	60.7	55.5	105	105	70-130	9	30	
Toluene	ug/kg	ND	57.9	53	52.8	47.5	91	90	52-163	11	30	
trans-1,2-Dichloroethene	ug/kg	ND	57.9	53	49.2	43.6	85	82	70-130	12	30	
trans-1,3-Dichloropropene	ug/kg	ND	57.9	53	55.6	51.3	96	97	70-130	8	30	
Trichloroethene	ug/kg	ND	57.9	53	51.2	47.2	88	89	49-167	8	30	
Trichlorofluoromethane	ug/kg	ND	57.9	53	56.2	50.5	97	95	70-130	11	30	
Vinyl chloride	ug/kg	ND	57.9	53	45.4	43.1	79	81	70-130	5	30	
1,2-Dichloroethane-d4 (S)	%						104	104	70-132			
4-Bromofluorobenzene (S)	%						103	103	70-130			
Toluene-d8 (S)	%						99	100	70-130			

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

QC Batch: MSV/25088 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92180392036, 92180392037, 92180392038, 92180392039, 92180392040, 92180392041

METHOD BLANK: 1096338 Matrix: Solid
Associated Lab Samples: 92180392036, 92180392037, 92180392038, 92180392039, 92180392040, 92180392041

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	8.3	11/29/13 15:24	
1,1,2,2-Tetrachloroethane	ug/kg	ND	8.3	11/29/13 15:24	
1,1,2-Trichloroethane	ug/kg	ND	8.3	11/29/13 15:24	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	8.3	11/29/13 15:24	
1,1-Dichloroethane	ug/kg	ND	8.3	11/29/13 15:24	
1,1-Dichloroethene	ug/kg	ND	8.3	11/29/13 15:24	
1,2,3-Trichlorobenzene	ug/kg	ND	8.3	11/29/13 15:24	
1,2,4-Trichlorobenzene	ug/kg	ND	8.3	11/29/13 15:24	
1,2-Dibromo-3-chloropropane	ug/kg	ND	8.3	11/29/13 15:24	
1,2-Dibromoethane (EDB)	ug/kg	ND	8.3	11/29/13 15:24	
1,2-Dichlorobenzene	ug/kg	ND	8.3	11/29/13 15:24	
1,2-Dichloroethane	ug/kg	ND	8.3	11/29/13 15:24	
1,2-Dichloropropane	ug/kg	ND	8.3	11/29/13 15:24	
1,3-Dichlorobenzene	ug/kg	ND	8.3	11/29/13 15:24	
1,4-Dichlorobenzene	ug/kg	ND	8.3	11/29/13 15:24	
1,4-Dioxane (p-Dioxane)	ug/kg	ND	248	11/29/13 15:24	
2-Butanone (MEK)	ug/kg	ND	165	11/29/13 15:24	
2-Hexanone	ug/kg	ND	82.5	11/29/13 15:24	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	82.5	11/29/13 15:24	
Acetone	ug/kg	ND	165	11/29/13 15:24	
Benzene	ug/kg	ND	8.3	11/29/13 15:24	
Bromochloromethane	ug/kg	ND	8.3	11/29/13 15:24	
Bromodichloromethane	ug/kg	ND	8.3	11/29/13 15:24	
Bromoform	ug/kg	ND	8.3	11/29/13 15:24	
Bromomethane	ug/kg	ND	16.5	11/29/13 15:24	
Carbon disulfide	ug/kg	ND	16.5	11/29/13 15:24	
Carbon tetrachloride	ug/kg	ND	8.3	11/29/13 15:24	
Chlorobenzene	ug/kg	ND	8.3	11/29/13 15:24	
Chloroethane	ug/kg	ND	16.5	11/29/13 15:24	
Chloroform	ug/kg	ND	8.3	11/29/13 15:24	
Chloromethane	ug/kg	ND	16.5	11/29/13 15:24	
cis-1,2-Dichloroethene	ug/kg	ND	8.3	11/29/13 15:24	
cis-1,3-Dichloropropene	ug/kg	ND	8.3	11/29/13 15:24	
Cyclohexane	ug/kg	ND	8.3	11/29/13 15:24	
Dibromochloromethane	ug/kg	ND	8.3	11/29/13 15:24	
Dichlorodifluoromethane	ug/kg	ND	16.5	11/29/13 15:24	
Ethylbenzene	ug/kg	ND	8.3	11/29/13 15:24	
Isopropylbenzene (Cumene)	ug/kg	ND	8.3	11/29/13 15:24	
m&p-Xylene	ug/kg	ND	16.5	11/29/13 15:24	
Methyl acetate	ug/kg	ND	16.5	11/29/13 15:24	
Methyl-tert-butyl ether	ug/kg	ND	8.3	11/29/13 15:24	
Methylcyclohexane	ug/kg	ND	16.5	11/29/13 15:24	
Methylene Chloride	ug/kg	ND	33.0	11/29/13 15:24	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

METHOD BLANK: 1096338 Matrix: Solid
Associated Lab Samples: 92180392036, 92180392037, 92180392038, 92180392039, 92180392040, 92180392041

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
o-Xylene	ug/kg	ND	8.3	11/29/13 15:24	
Styrene	ug/kg	ND	8.3	11/29/13 15:24	
Tetrachloroethene	ug/kg	ND	8.3	11/29/13 15:24	
Toluene	ug/kg	ND	8.3	11/29/13 15:24	
trans-1,2-Dichloroethene	ug/kg	ND	8.3	11/29/13 15:24	
trans-1,3-Dichloropropene	ug/kg	ND	8.3	11/29/13 15:24	
Trichloroethene	ug/kg	ND	8.3	11/29/13 15:24	
Trichlorofluoromethane	ug/kg	ND	8.3	11/29/13 15:24	
Vinyl chloride	ug/kg	ND	16.5	11/29/13 15:24	
1,2-Dichloroethane-d4 (S)	%	109	70-132	11/29/13 15:24	
4-Bromofluorobenzene (S)	%	99	70-130	11/29/13 15:24	
Toluene-d8 (S)	%	101	70-130	11/29/13 15:24	

LABORATORY CONTROL SAMPLE: 1096339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	58.1	57.8	99	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	58.1	65.2	112	70-130	
1,1,2-Trichloroethane	ug/kg	58.1	65.2	112	70-132	
1,1,2-Trichlorotrifluoroethane	ug/kg	58.1	60.9	105	70-130	
1,1-Dichloroethane	ug/kg	58.1	58.3	100	70-143	
1,1-Dichloroethene	ug/kg	58.1	54.9	94	70-137	
1,2,3-Trichlorobenzene	ug/kg	58.1	57.8	99	69-153	
1,2,4-Trichlorobenzene	ug/kg	58.1	53.6	92	55-171	
1,2-Dibromo-3-chloropropane	ug/kg	58.1	62.4	107	68-141	
1,2-Dibromoethane (EDB)	ug/kg	58.1	63.0	108	70-130	
1,2-Dichlorobenzene	ug/kg	58.1	57.5	99	70-140	
1,2-Dichloroethane	ug/kg	58.1	63.5	109	70-137	
1,2-Dichloropropane	ug/kg	58.1	59.0	101	70-133	
1,3-Dichlorobenzene	ug/kg	58.1	55.1	95	70-144	
1,4-Dichlorobenzene	ug/kg	58.1	56.9	98	70-142	
1,4-Dioxane (p-Dioxane)	ug/kg	1160	1390	119	70-130	
2-Butanone (MEK)	ug/kg	116	139	119	70-149	
2-Hexanone	ug/kg	116	136	117	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	116	136	117	70-153	
Acetone	ug/kg	116	120	103	70-157	
Benzene	ug/kg	58.1	58.0	100	70-130	
Bromochloromethane	ug/kg	58.1	64.0	110	70-149	
Bromodichloromethane	ug/kg	58.1	63.4	109	70-130	
Bromoform	ug/kg	58.1	65.4	113	70-131	
Bromomethane	ug/kg	58.1	67.5	116	64-136	F3
Carbon disulfide	ug/kg	58.1	58.2	100	70-130	
Carbon tetrachloride	ug/kg	58.1	55.7	96	70-154	
Chlorobenzene	ug/kg	58.1	57.6	99	70-135	
Chloroethane	ug/kg	58.1	60.2	104	68-151	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

LABORATORY CONTROL SAMPLE: 1096339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/kg	58.1	60.5	104	70-130	
Chloromethane	ug/kg	58.1	62.7	108	70-132	
cis-1,2-Dichloroethene	ug/kg	58.1	58.9	101	70-140	
cis-1,3-Dichloropropene	ug/kg	58.1	62.0	107	70-137	
Cyclohexane	ug/kg	58.1	60.4	104	70-130	
Dibromochloromethane	ug/kg	58.1	65.1	112	70-130	
Dichlorodifluoromethane	ug/kg	58.1	63.9	110	36-148	
Ethylbenzene	ug/kg	58.1	56.8	98	70-137	
Isopropylbenzene (Cumene)	ug/kg	58.1	58.8	101	70-141	
m&p-Xylene	ug/kg	116	116	100	70-140	
Methyl acetate	ug/kg	58.1	47.6	82	70-130	
Methyl-tert-butyl ether	ug/kg	58.1	66.3	114	45-150	
Methylcyclohexane	ug/kg	58.1	58.1	100	70-130	
Methylene Chloride	ug/kg	58.1	61.2	105	70-133	
o-Xylene	ug/kg	58.1	58.3	100	70-141	
Styrene	ug/kg	58.1	60.9	105	70-138	
Tetrachloroethene	ug/kg	58.1	60.7	104	70-140	
Toluene	ug/kg	58.1	57.7	99	70-130	
trans-1,2-Dichloroethene	ug/kg	58.1	55.1	95	70-136	
trans-1,3-Dichloropropene	ug/kg	58.1	64.1	110	70-138	
Trichloroethene	ug/kg	58.1	56.3	97	70-132	
Trichlorofluoromethane	ug/kg	58.1	59.0	102	69-134	
Vinyl chloride	ug/kg	58.1	58.3	100	55-140	
1,2-Dichloroethane-d4 (S)	%			103	70-132	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 1096496

Parameter	Units	92180392038 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	52.4	48.8	93	49-180	
Benzene	ug/kg	ND	52.4	50.1	96	50-166	
Chlorobenzene	ug/kg	ND	52.4	49.5	95	43-169	
Toluene	ug/kg	ND	52.4	49.1	94	52-163	
Trichloroethene	ug/kg	ND	52.4	48.3	92	49-167	
1,2-Dichloroethane-d4 (S)	%				100	70-132	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 1096495

Parameter	Units	92180392037 Result	Dup Result	RPD	Max RPD	Qualifiers
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	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

SAMPLE DUPLICATE: 1096495

Parameter	Units	92180392037 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	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-Dichlorobenzene	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
1,4-Dioxane (p-Dioxane)	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Hexanone	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	
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 disulfide	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	
Cyclohexane	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	
Methyl acetate	ug/kg	410	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylcyclohexane	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
Styrene	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	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

SAMPLE DUPLICATE: 1096495

Parameter	Units	92180392037 Result	Dup Result	RPD	Max RPD	Qualifiers
Vinyl chloride	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	98	87	12		
4-Bromofluorobenzene (S)	%	103	100	3		
Toluene-d8 (S)	%	100	99	0		

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

QC Batch: MSV/25095
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92180392042, 92180392043

METHOD BLANK: 1096501
Matrix: Solid
Associated Lab Samples: 92180392042, 92180392043

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.4	12/01/13 11:41	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.4	12/01/13 11:41	
1,1,2-Trichloroethane	ug/kg	ND	5.4	12/01/13 11:41	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	5.4	12/01/13 11:41	
1,1-Dichloroethane	ug/kg	ND	5.4	12/01/13 11:41	
1,1-Dichloroethene	ug/kg	ND	5.4	12/01/13 11:41	
1,2,3-Trichlorobenzene	ug/kg	ND	5.4	12/01/13 11:41	
1,2,4-Trichlorobenzene	ug/kg	ND	5.4	12/01/13 11:41	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.4	12/01/13 11:41	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.4	12/01/13 11:41	
1,2-Dichlorobenzene	ug/kg	ND	5.4	12/01/13 11:41	
1,2-Dichloroethane	ug/kg	ND	5.4	12/01/13 11:41	
1,2-Dichloropropane	ug/kg	ND	5.4	12/01/13 11:41	
1,3-Dichlorobenzene	ug/kg	ND	5.4	12/01/13 11:41	
1,4-Dichlorobenzene	ug/kg	ND	5.4	12/01/13 11:41	
1,4-Dioxane (p-Dioxane)	ug/kg	ND	162	12/01/13 11:41	
2-Butanone (MEK)	ug/kg	ND	108	12/01/13 11:41	
2-Hexanone	ug/kg	ND	53.9	12/01/13 11:41	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	53.9	12/01/13 11:41	
Acetone	ug/kg	ND	108	12/01/13 11:41	
Benzene	ug/kg	ND	5.4	12/01/13 11:41	
Bromochloromethane	ug/kg	ND	5.4	12/01/13 11:41	
Bromodichloromethane	ug/kg	ND	5.4	12/01/13 11:41	
Bromoform	ug/kg	ND	5.4	12/01/13 11:41	
Bromomethane	ug/kg	ND	10.8	12/01/13 11:41	
Carbon disulfide	ug/kg	ND	10.8	12/01/13 11:41	
Carbon tetrachloride	ug/kg	ND	5.4	12/01/13 11:41	
Chlorobenzene	ug/kg	ND	5.4	12/01/13 11:41	
Chloroethane	ug/kg	ND	10.8	12/01/13 11:41	
Chloroform	ug/kg	ND	5.4	12/01/13 11:41	
Chloromethane	ug/kg	ND	10.8	12/01/13 11:41	
cis-1,2-Dichloroethene	ug/kg	ND	5.4	12/01/13 11:41	
cis-1,3-Dichloropropene	ug/kg	ND	5.4	12/01/13 11:41	
Cyclohexane	ug/kg	ND	5.4	12/01/13 11:41	
Dibromochloromethane	ug/kg	ND	5.4	12/01/13 11:41	
Dichlorodifluoromethane	ug/kg	ND	10.8	12/01/13 11:41	
Ethylbenzene	ug/kg	ND	5.4	12/01/13 11:41	
Isopropylbenzene (Cumene)	ug/kg	ND	5.4	12/01/13 11:41	
m&p-Xylene	ug/kg	ND	10.8	12/01/13 11:41	
Methyl acetate	ug/kg	ND	10.8	12/01/13 11:41	
Methyl-tert-butyl ether	ug/kg	ND	5.4	12/01/13 11:41	
Methylcyclohexane	ug/kg	ND	10.8	12/01/13 11:41	
Methylene Chloride	ug/kg	ND	21.6	12/01/13 11:41	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

METHOD BLANK: 1096501 Matrix: Solid
Associated Lab Samples: 92180392042, 92180392043

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
o-Xylene	ug/kg	ND	5.4	12/01/13 11:41	
Styrene	ug/kg	ND	5.4	12/01/13 11:41	
Tetrachloroethene	ug/kg	ND	5.4	12/01/13 11:41	
Toluene	ug/kg	ND	5.4	12/01/13 11:41	
trans-1,2-Dichloroethene	ug/kg	ND	5.4	12/01/13 11:41	
trans-1,3-Dichloropropene	ug/kg	ND	5.4	12/01/13 11:41	
Trichloroethene	ug/kg	ND	5.4	12/01/13 11:41	
Trichlorofluoromethane	ug/kg	ND	5.4	12/01/13 11:41	
Vinyl chloride	ug/kg	ND	10.8	12/01/13 11:41	
1,2-Dichloroethane-d4 (S)	%	101	70-132	12/01/13 11:41	
4-Bromofluorobenzene (S)	%	100	70-130	12/01/13 11:41	
Toluene-d8 (S)	%	101	70-130	12/01/13 11:41	

LABORATORY CONTROL SAMPLE: 1096502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	53.2	59.1	111	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	53.2	57.6	108	70-130	
1,1,2-Trichloroethane	ug/kg	53.2	60.0	113	70-132	
1,1,2-Trichlorotrifluoroethane	ug/kg	53.2	67.4	127	70-130	
1,1-Dichloroethane	ug/kg	53.2	60.4	114	70-143	
1,1-Dichloroethene	ug/kg	53.2	59.8	112	70-137	
1,2,3-Trichlorobenzene	ug/kg	53.2	56.3	106	69-153	
1,2,4-Trichlorobenzene	ug/kg	53.2	57.4	108	55-171	
1,2-Dibromo-3-chloropropane	ug/kg	53.2	54.4	102	68-141	
1,2-Dibromoethane (EDB)	ug/kg	53.2	55.6	105	70-130	
1,2-Dichlorobenzene	ug/kg	53.2	55.3	104	70-140	
1,2-Dichloroethane	ug/kg	53.2	56.3	106	70-137	
1,2-Dichloropropane	ug/kg	53.2	61.7	116	70-133	
1,3-Dichlorobenzene	ug/kg	53.2	54.1	102	70-144	
1,4-Dichlorobenzene	ug/kg	53.2	55.2	104	70-142	
1,4-Dioxane (p-Dioxane)	ug/kg	1060	1190	112	70-130	
2-Butanone (MEK)	ug/kg	106	120	113	70-149	
2-Hexanone	ug/kg	106	123	116	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	106	119	112	70-153	
Acetone	ug/kg	106	108	102	70-157	
Benzene	ug/kg	53.2	61.7	116	70-130	
Bromochloromethane	ug/kg	53.2	55.9	105	70-149	
Bromodichloromethane	ug/kg	53.2	58.0	109	70-130	
Bromoform	ug/kg	53.2	57.6	108	70-131	
Bromomethane	ug/kg	53.2	65.0	122	64-136	F3
Carbon disulfide	ug/kg	53.2	64.3	121	70-130	
Carbon tetrachloride	ug/kg	53.2	56.2	106	70-154	
Chlorobenzene	ug/kg	53.2	58.5	110	70-135	
Chloroethane	ug/kg	53.2	63.5	119	68-151	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

LABORATORY CONTROL SAMPLE: 1096502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/kg	53.2	57.1	107	70-130	
Chloromethane	ug/kg	53.2	68.6	129	70-132	
cis-1,2-Dichloroethene	ug/kg	53.2	58.5	110	70-140	
cis-1,3-Dichloropropene	ug/kg	53.2	61.8	116	70-137	
Cyclohexane	ug/kg	53.2	69.7	131	70-130	L3
Dibromochloromethane	ug/kg	53.2	58.8	111	70-130	
Dichlorodifluoromethane	ug/kg	53.2	66.5	125	36-148	
Ethylbenzene	ug/kg	53.2	61.1	115	70-137	
Isopropylbenzene (Cumene)	ug/kg	53.2	62.2	117	70-141	
m&p-Xylene	ug/kg	106	124	117	70-140	
Methyl acetate	ug/kg	53.2	72.4	136	70-130	L3
Methyl-tert-butyl ether	ug/kg	53.2	60.6	114	45-150	
Methylcyclohexane	ug/kg	53.2	68.7	129	70-130	
Methylene Chloride	ug/kg	53.2	62.1	117	70-133	
o-Xylene	ug/kg	53.2	60.6	114	70-141	
Styrene	ug/kg	53.2	62.0	116	70-138	
Tetrachloroethene	ug/kg	53.2	65.8	124	70-140	
Toluene	ug/kg	53.2	59.7	112	70-130	
trans-1,2-Dichloroethene	ug/kg	53.2	60.0	113	70-136	
trans-1,3-Dichloropropene	ug/kg	53.2	62.3	117	70-138	
Trichloroethene	ug/kg	53.2	58.0	109	70-132	
Trichlorofluoromethane	ug/kg	53.2	59.5	112	69-134	
Vinyl chloride	ug/kg	53.2	65.2	123	55-140	
1,2-Dichloroethane-d4 (S)	%			103	70-132	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE SAMPLE: 1096619

Parameter	Units	92180232008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	43	44.8	104	49-180	
Benzene	ug/kg	ND	43	43.7	102	50-166	
Chlorobenzene	ug/kg	ND	43	40.2	94	43-169	
Toluene	ug/kg	ND	43	40.5	94	52-163	
Trichloroethene	ug/kg	ND	43	37.9	88	49-167	
1,2-Dichloroethane-d4 (S)	%				106	70-132	
4-Bromofluorobenzene (S)	%				92	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 1096618

Parameter	Units	92180232007 Result	Dup Result	RPD	Max RPD	Qualifiers
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	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

SAMPLE DUPLICATE: 1096618

Parameter	Units	92180232007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,2-Trichlorotrifluoroethane	ug/kg		ND			
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	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-Dichlorobenzene	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
1,4-Dioxane (p-Dioxane)	ug/kg		ND			
2-Butanone (MEK)	ug/kg	ND	16.6J		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	299	191	44	30	A+,R1
Benzene	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 disulfide	ug/kg		ND			
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	
Cyclohexane	ug/kg		ND			
Dibromochloromethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	
Methyl acetate	ug/kg		ND			
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylcyclohexane	ug/kg		ND			
Methylene Chloride	ug/kg	ND	2.9J		30	
o-Xylene	ug/kg	ND	ND		30	
Styrene	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	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

SAMPLE DUPLICATE: 1096618

Parameter	Units	92180232007 Result	Dup Result	RPD	Max RPD	Qualifiers
Vinyl chloride	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	100	105	13		
4-Bromofluorobenzene (S)	%	94	87	2		
Toluene-d8 (S)	%	102	101	7		

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

QC Batch: OEXT/24868 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92180392003, 92180392004, 92180392005, 92180392006, 92180392007, 92180392008, 92180392009, 92180392010, 92180392011, 92180392012, 92180392013, 92180392014, 92180392015, 92180392016, 92180392017, 92180392018, 92180392019, 92180392020, 92180392021, 92180392022

METHOD BLANK: 1092411 Matrix: Solid
Associated Lab Samples: 92180392003, 92180392004, 92180392005, 92180392006, 92180392007, 92180392008, 92180392009, 92180392010, 92180392011, 92180392012, 92180392013, 92180392014, 92180392015, 92180392016, 92180392017, 92180392018, 92180392019, 92180392020, 92180392021, 92180392022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	ND	330	11/25/13 13:08	
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	330	11/25/13 13:08	
2,3,4,6-Tetrachlorophenol	ug/kg	ND	330	11/25/13 13:08	
2,4,5-Trichlorophenol	ug/kg	ND	330	11/25/13 13:08	
2,4,6-Trichlorophenol	ug/kg	ND	330	11/25/13 13:08	
2,4-Dichlorophenol	ug/kg	ND	330	11/25/13 13:08	
2,4-Dimethylphenol	ug/kg	ND	330	11/25/13 13:08	
2,4-Dinitrophenol	ug/kg	ND	1650	11/25/13 13:08	
2,4-Dinitrotoluene	ug/kg	ND	330	11/25/13 13:08	
2,6-Dinitrotoluene	ug/kg	ND	330	11/25/13 13:08	
2-Chloronaphthalene	ug/kg	ND	330	11/25/13 13:08	
2-Chlorophenol	ug/kg	ND	330	11/25/13 13:08	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	11/25/13 13:08	
2-Nitroaniline	ug/kg	ND	1650	11/25/13 13:08	
2-Nitrophenol	ug/kg	ND	330	11/25/13 13:08	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	11/25/13 13:08	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	11/25/13 13:08	
3-Nitroaniline	ug/kg	ND	1650	11/25/13 13:08	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	11/25/13 13:08	
4-Bromophenylphenyl ether	ug/kg	ND	330	11/25/13 13:08	
4-Chloro-3-methylphenol	ug/kg	ND	660	11/25/13 13:08	
4-Chloroaniline	ug/kg	ND	1650	11/25/13 13:08	
4-Chlorophenylphenyl ether	ug/kg	ND	330	11/25/13 13:08	
4-Nitroaniline	ug/kg	ND	660	11/25/13 13:08	
4-Nitrophenol	ug/kg	ND	1650	11/25/13 13:08	
Acetophenone	ug/kg	ND	330	11/25/13 13:08	
Atrazine	ug/kg	ND	660	11/25/13 13:08	
Benzaldehyde	ug/kg	ND	660	11/25/13 13:08	
Biphenyl (Diphenyl)	ug/kg	ND	330	11/25/13 13:08	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	11/25/13 13:08	
bis(2-Chloroethyl) ether	ug/kg	ND	330	11/25/13 13:08	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	11/25/13 13:08	
Butylbenzylphthalate	ug/kg	ND	330	11/25/13 13:08	
Caprolactam	ug/kg	ND	330	11/25/13 13:08	
Carbazole	ug/kg	ND	330	11/25/13 13:08	
Di-n-butylphthalate	ug/kg	ND	330	11/25/13 13:08	
Di-n-octylphthalate	ug/kg	ND	330	11/25/13 13:08	
Dibenzofuran	ug/kg	ND	330	11/25/13 13:08	
Diethylphthalate	ug/kg	ND	330	11/25/13 13:08	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

METHOD BLANK: 1092411 Matrix: Solid

Associated Lab Samples: 92180392003, 92180392004, 92180392005, 92180392006, 92180392007, 92180392008, 92180392009, 92180392010, 92180392011, 92180392012, 92180392013, 92180392014, 92180392015, 92180392016, 92180392017, 92180392018, 92180392019, 92180392020, 92180392021, 92180392022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dimethylphthalate	ug/kg	ND	330	11/25/13 13:08	
Hexachloro-1,3-butadiene	ug/kg	ND	330	11/25/13 13:08	
Hexachlorobenzene	ug/kg	ND	330	11/25/13 13:08	
Hexachlorocyclopentadiene	ug/kg	ND	330	11/25/13 13:08	
Hexachloroethane	ug/kg	ND	330	11/25/13 13:08	
Isophorone	ug/kg	ND	330	11/25/13 13:08	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	11/25/13 13:08	
N-Nitrosodiphenylamine	ug/kg	ND	330	11/25/13 13:08	
Nitrobenzene	ug/kg	ND	330	11/25/13 13:08	
Pentachlorophenol	ug/kg	ND	1650	11/25/13 13:08	
Phenol	ug/kg	ND	330	11/25/13 13:08	
2,4,6-Tribromophenol (S)	%	82	27-110	11/25/13 13:08	
2-Fluorobiphenyl (S)	%	82	30-110	11/25/13 13:08	
2-Fluorophenol (S)	%	79	13-110	11/25/13 13:08	
Nitrobenzene-d5 (S)	%	79	23-110	11/25/13 13:08	
Phenol-d6 (S)	%	84	22-110	11/25/13 13:08	
Terphenyl-d14 (S)	%	86	28-110	11/25/13 13:08	

LABORATORY CONTROL SAMPLE: 1092412

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	1670	1380	83	39-112	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1130	68	21-110	
2,3,4,6-Tetrachlorophenol	ug/kg	1670	2850	171	39-112	L0
2,4,5-Trichlorophenol	ug/kg	1670	1370	82	48-109	
2,4,6-Trichlorophenol	ug/kg	1670	1210	73	45-111	
2,4-Dichlorophenol	ug/kg	1670	967	58	51-116	
2,4-Dimethylphenol	ug/kg	1670	1070	64	42-103	
2,4-Dinitrophenol	ug/kg	8330	6480	78	28-103	
2,4-Dinitrotoluene	ug/kg	1670	1410	85	46-114	
2,6-Dinitrotoluene	ug/kg	1670	1410	85	48-112	
2-Chloronaphthalene	ug/kg	1670	1190	71	44-105	
2-Chlorophenol	ug/kg	1670	1290	77	36-110	
2-Methylphenol(o-Cresol)	ug/kg	1670	1390	84	39-101	
2-Nitroaniline	ug/kg	3330	2840	85	44-111	
2-Nitrophenol	ug/kg	1670	1010	60	41-100	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1360	81	43-103	
3,3'-Dichlorobenzidine	ug/kg	8330	2640	32	10-150	
3-Nitroaniline	ug/kg	3330	2800	84	35-110	
4,6-Dinitro-2-methylphenol	ug/kg	3330	2880	87	38-118	
4-Bromophenylphenyl ether	ug/kg	1670	1380	83	47-115	
4-Chloro-3-methylphenol	ug/kg	3330	2150	64	43-127	
4-Chloroaniline	ug/kg	3330	2070	62	34-109	
4-Chlorophenylphenyl ether	ug/kg	1670	1380	83	44-115	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

LABORATORY CONTROL SAMPLE: 1092412

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Nitroaniline	ug/kg	3330	2830	85	37-111	
4-Nitrophenol	ug/kg	8330	6860	82	21-152	
Acetophenone	ug/kg	1670	1120	67	39-112	
Atrazine	ug/kg	1670	1830	110	39-112	
Benzaldehyde	ug/kg	1670	ND	0	39-112	L0
Biphenyl (Diphenyl)	ug/kg	1670	1030	62	39-112	
bis(2-Chloroethoxy)methane	ug/kg	1670	1320	79	39-110	
bis(2-Chloroethyl) ether	ug/kg	1670	1340	80	19-119	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1320	79	35-116	
Butylbenzylphthalate	ug/kg	1670	1380	83	38-110	
Caprolactam	ug/kg	1670	1790	107	39-112	
Carbazole	ug/kg	1670	1320	79	39-112	
Di-n-butylphthalate	ug/kg	1670	1210	73	43-109	
Di-n-octylphthalate	ug/kg	1670	1270	76	37-109	
Dibenzofuran	ug/kg	1670	1080	65	45-106	
Diethylphthalate	ug/kg	1670	1160	70	41-114	
Dimethylphthalate	ug/kg	1670	1170	70	43-110	
Hexachloro-1,3-butadiene	ug/kg	1670	828	50	28-111	
Hexachlorobenzene	ug/kg	1670	1110	67	46-120	
Hexachlorocyclopentadiene	ug/kg	1670	1550	93	18-119	
Hexachloroethane	ug/kg	1670	1210	73	33-110	
Isophorone	ug/kg	1670	1020	61	44-109	
N-Nitroso-di-n-propylamine	ug/kg	1670	1120	67	43-104	
N-Nitrosodiphenylamine	ug/kg	1670	1090	65	48-113	
Nitrobenzene	ug/kg	1670	1020	61	38-110	
Pentachlorophenol	ug/kg	8330	2640	32	32-128	
Phenol	ug/kg	1670	1310	79	28-106	
2,4,6-Tribromophenol (S)	%			90	27-110	
2-Fluorobiphenyl (S)	%			74	30-110	
2-Fluorophenol (S)	%			86	13-110	
Nitrobenzene-d5 (S)	%			64	23-110	
Phenol-d6 (S)	%			91	22-110	
Terphenyl-d14 (S)	%			87	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1092413 1092414

Parameter	Units	92180392020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4,5-Tetrachlorobenzene	ug/kg	ND	1920	1920	1370	1210	71	63	50-150	13	30	
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	1920	1920	1050	1040	55	54	50-150	1	30	
2,3,4,6-Tetrachlorophenol	ug/kg	ND	1920	1920	2580	2640	135	137	50-150	2	30	
2,4,5-Trichlorophenol	ug/kg	ND	1920	1920	1280	1200	66	63	28-110	6	30	
2,4,6-Trichlorophenol	ug/kg	ND	1920	1920	1100	1020	57	53	17-117	8	30	
2,4-Dichlorophenol	ug/kg	ND	1920	1920	879	866	46	45	21-128	2	30	
2,4-Dimethylphenol	ug/kg	ND	1920	1920	525	521	27	27	10-120	1	30	
2,4-Dinitrophenol	ug/kg	ND	9590	9590	5940	6380	62	66	10-107	7	30	
2,4-Dinitrotoluene	ug/kg	ND	1920	1920	1290	1310	67	68	36-109	2	30	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1092413 1092414

Parameter	Units	92180392020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,6-Dinitrotoluene	ug/kg	ND	1920	1920	1280	1260	67	66	32-110	1	30	
2-Chloronaphthalene	ug/kg	ND	1920	1920	1180	1060	61	55	30-107	10	30	
2-Chlorophenol	ug/kg	ND	1920	1920	1160	1180	60	61	14-106	1	30	
2-Methylphenol(o-Cresol)	ug/kg	ND	1920	1920	985	966	51	50	10-124	2	30	
2-Nitroaniline	ug/kg	ND	3830	3830	2530	2500	66	65	26-116	1	30	
2-Nitrophenol	ug/kg	ND	1920	1920	954	917	50	48	28-103	4	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	1920	1920	934	982	49	51	10-109	5	30	
3,3'-Dichlorobenzidine	ug/kg	ND	9590	9590	1560J	1680J	16	18	10-150		30	
3-Nitroaniline	ug/kg	ND	3830	3830	2450	2570	64	67	22-110	5	30	
4,6-Dinitro-2-methylphenol	ug/kg	ND	3830	3830	2560	2630	67	69	13-121	3	30	
4-Bromophenylphenyl ether	ug/kg	ND	1920	1920	1260	1250	66	65	31-109	1	30	
4-Chloro-3-methylphenol	ug/kg	ND	3830	3830	1760	1830	46	48	13-128	4	30	
4-Chloroaniline	ug/kg	ND	3830	3830	1660J	1640J	43	43	18-102		30	
4-Chlorophenylphenyl ether	ug/kg	ND	1920	1920	1280	1270	66	66	29-112	1	30	
4-Nitroaniline	ug/kg	ND	3830	3830	2540	2760	66	72	16-111	8	30	
4-Nitrophenol	ug/kg	ND	9590	9590	5570	5930	58	62	14-135	6	30	
Acetophenone	ug/kg	ND	1920	1920	981	1000	51	52	50-150	2	30	
Atrazine	ug/kg	ND	1920	1920	1460	1450	76	76	50-150	1	30	
Benzaldehyde	ug/kg	ND	1920	1920	ND	ND	0	2	50-150		30	M0
Biphenyl (Diphenyl)	ug/kg	ND	1920	1920	1000	935	52	49	50-150	7	30	M1
bis(2-Chloroethoxy)methane	ug/kg	ND	1920	1920	1240	1240	64	65	13-119	0	30	
bis(2-Chloroethyl) ether	ug/kg	ND	1920	1920	1200	1180	62	62	10-134	1	30	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	1920	1920	1150	1160	60	60	10-125	1	30	
Butylbenzylphthalate	ug/kg	ND	1920	1920	1170	1160	61	60	18-110	1	30	
Caprolactam	ug/kg	ND	1920	1920	1520	1720	79	90	50-150	12	30	
Carbazole	ug/kg	ND	1920	1920	1220	1240	63	65	50-150	2	30	
Di-n-butylphthalate	ug/kg	ND	1920	1920	1080	1150	56	60	19-112	6	30	
Di-n-octylphthalate	ug/kg	ND	1920	1920	1160	1170	60	61	17-105	1	30	
Dibenzofuran	ug/kg	ND	1920	1920	1010	963	52	50	35-103	4	30	
Diethylphthalate	ug/kg	ND	1920	1920	1060	1110	55	58	27-113	4	30	
Dimethylphthalate	ug/kg	ND	1920	1920	1080	1080	56	56	26-111	0	30	
Hexachloro-1,3-butadiene	ug/kg	ND	1920	1920	775	741	40	39	16-116	4	30	
Hexachlorobenzene	ug/kg	ND	1920	1920	1030	966	54	50	27-120	7	30	
Hexachlorocyclopentadiene	ug/kg	ND	1920	1920	1480	1330	77	69	10-108	11	30	
Hexachloroethane	ug/kg	ND	1920	1920	1060	1030	55	54	10-117	3	30	
Isophorone	ug/kg	ND	1920	1920	956	936	50	49	28-114	2	30	
N-Nitroso-di-n-propylamine	ug/kg	ND	1920	1920	980	1030	51	53	27-113	5	30	
N-Nitrosodiphenylamine	ug/kg	ND	1920	1920	914	910	48	47	10-128	0	30	
Nitrobenzene	ug/kg	ND	1920	1920	926	889	48	46	18-114	4	30	
Pentachlorophenol	ug/kg	ND	9590	9590	2380	2430	25	25	10-122	2	30	
Phenol	ug/kg	ND	1920	1920	1090	1080	57	56	11-102	1	30	
2,4,6-Tribromophenol (S)	%						63	59	27-110			
2-Fluorobiphenyl (S)	%						63	54	30-110			
2-Fluorophenol (S)	%						59	56	13-110			
Nitrobenzene-d5 (S)	%						49	45	23-110			
Phenol-d6 (S)	%						63	61	22-110			

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1092413 1092414

Parameter	Units	92180392020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Terphenyl-d14 (S)	%						68	64	28-110			

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

QC Batch: OEXT/24872 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92180392023, 92180392024, 92180392025, 92180392027, 92180392028, 92180392029, 92180392030, 92180392031, 92180392032, 92180392033, 92180392034, 92180392035, 92180392036, 92180392037, 92180392038, 92180392039, 92180392040, 92180392041, 92180392042

METHOD BLANK: 1092637 Matrix: Solid
Associated Lab Samples: 92180392023, 92180392024, 92180392025, 92180392027, 92180392028, 92180392029, 92180392030, 92180392031, 92180392032, 92180392033, 92180392034, 92180392035, 92180392036, 92180392037, 92180392038, 92180392039, 92180392040, 92180392041, 92180392042

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	ND	330	11/26/13 13:23	
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	330	11/26/13 13:23	
2,3,4,6-Tetrachlorophenol	ug/kg	ND	330	11/26/13 13:23	
2,4,5-Trichlorophenol	ug/kg	ND	330	11/26/13 13:23	
2,4,6-Trichlorophenol	ug/kg	ND	330	11/26/13 13:23	
2,4-Dichlorophenol	ug/kg	ND	330	11/26/13 13:23	
2,4-Dimethylphenol	ug/kg	ND	330	11/26/13 13:23	
2,4-Dinitrophenol	ug/kg	ND	1650	11/26/13 13:23	
2,4-Dinitrotoluene	ug/kg	ND	330	11/26/13 13:23	
2,6-Dinitrotoluene	ug/kg	ND	330	11/26/13 13:23	
2-Chloronaphthalene	ug/kg	ND	330	11/26/13 13:23	
2-Chlorophenol	ug/kg	ND	330	11/26/13 13:23	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	11/26/13 13:23	
2-Nitroaniline	ug/kg	ND	1650	11/26/13 13:23	
2-Nitrophenol	ug/kg	ND	330	11/26/13 13:23	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	11/26/13 13:23	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	11/26/13 13:23	
3-Nitroaniline	ug/kg	ND	1650	11/26/13 13:23	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	11/26/13 13:23	
4-Bromophenylphenyl ether	ug/kg	ND	330	11/26/13 13:23	
4-Chloro-3-methylphenol	ug/kg	ND	660	11/26/13 13:23	
4-Chloroaniline	ug/kg	ND	1650	11/26/13 13:23	
4-Chlorophenylphenyl ether	ug/kg	ND	330	11/26/13 13:23	
4-Nitroaniline	ug/kg	ND	660	11/26/13 13:23	
4-Nitrophenol	ug/kg	ND	1650	11/26/13 13:23	
Acetophenone	ug/kg	ND	330	11/26/13 13:23	
Atrazine	ug/kg	ND	660	11/26/13 13:23	
Benzaldehyde	ug/kg	ND	660	11/26/13 13:23	
Biphenyl (Diphenyl)	ug/kg	ND	330	11/26/13 13:23	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	11/26/13 13:23	
bis(2-Chloroethyl) ether	ug/kg	ND	330	11/26/13 13:23	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	11/26/13 13:23	
Butylbenzylphthalate	ug/kg	ND	330	11/26/13 13:23	
Caprolactam	ug/kg	ND	330	11/26/13 13:23	
Carbazole	ug/kg	ND	330	11/26/13 13:23	
Di-n-butylphthalate	ug/kg	ND	330	11/26/13 13:23	
Di-n-octylphthalate	ug/kg	ND	330	11/26/13 13:23	
Dibenzofuran	ug/kg	ND	330	11/26/13 13:23	
Diethylphthalate	ug/kg	ND	330	11/26/13 13:23	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

METHOD BLANK: 1092637 Matrix: Solid

Associated Lab Samples: 92180392023, 92180392024, 92180392025, 92180392027, 92180392028, 92180392029, 92180392030, 92180392031, 92180392032, 92180392033, 92180392034, 92180392035, 92180392036, 92180392037, 92180392038, 92180392039, 92180392040, 92180392041, 92180392042

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dimethylphthalate	ug/kg	ND	330	11/26/13 13:23	
Hexachloro-1,3-butadiene	ug/kg	ND	330	11/26/13 13:23	
Hexachlorobenzene	ug/kg	ND	330	11/26/13 13:23	
Hexachlorocyclopentadiene	ug/kg	ND	330	11/26/13 13:23	
Hexachloroethane	ug/kg	ND	330	11/26/13 13:23	
Isophorone	ug/kg	ND	330	11/26/13 13:23	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	11/26/13 13:23	
N-Nitrosodiphenylamine	ug/kg	ND	330	11/26/13 13:23	
Nitrobenzene	ug/kg	ND	330	11/26/13 13:23	
Pentachlorophenol	ug/kg	ND	1650	11/26/13 13:23	
Phenol	ug/kg	ND	330	11/26/13 13:23	
2,4,6-Tribromophenol (S)	%	73	27-110	11/26/13 13:23	
2-Fluorobiphenyl (S)	%	70	30-110	11/26/13 13:23	
2-Fluorophenol (S)	%	73	13-110	11/26/13 13:23	
Nitrobenzene-d5 (S)	%	67	23-110	11/26/13 13:23	
Phenol-d6 (S)	%	73	22-110	11/26/13 13:23	
Terphenyl-d14 (S)	%	70	28-110	11/26/13 13:23	

LABORATORY CONTROL SAMPLE: 1092638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	1670	1150	69	39-112	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	928	56	21-110	
2,3,4,6-Tetrachlorophenol	ug/kg	1670	2440	146	39-112	L0
2,4,5-Trichlorophenol	ug/kg	1670	1140	68	48-109	
2,4,6-Trichlorophenol	ug/kg	1670	977	59	45-111	
2,4-Dichlorophenol	ug/kg	1670	816	49	51-116	L0
2,4-Dimethylphenol	ug/kg	1670	907	54	42-103	
2,4-Dinitrophenol	ug/kg	8330	5630	68	28-103	
2,4-Dinitrotoluene	ug/kg	1670	1220	73	46-114	
2,6-Dinitrotoluene	ug/kg	1670	1210	73	48-112	
2-Chloronaphthalene	ug/kg	1670	969	58	44-105	
2-Chlorophenol	ug/kg	1670	1050	63	36-110	
2-Methylphenol(o-Cresol)	ug/kg	1670	1080	65	39-101	
2-Nitroaniline	ug/kg	3330	2350	70	44-111	
2-Nitrophenol	ug/kg	1670	819	49	41-100	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1010	61	43-103	
3,3'-Dichlorobenzidine	ug/kg	8330	2350	28	10-150	
3-Nitroaniline	ug/kg	3330	2470	74	35-110	
4,6-Dinitro-2-methylphenol	ug/kg	3330	2400	72	38-118	
4-Bromophenylphenyl ether	ug/kg	1670	1180	71	47-115	
4-Chloro-3-methylphenol	ug/kg	3330	1830	55	43-127	
4-Chloroaniline	ug/kg	3330	1730	52	34-109	
4-Chlorophenylphenyl ether	ug/kg	1670	1160	70	44-115	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

LABORATORY CONTROL SAMPLE: 1092638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Nitroaniline	ug/kg	3330	2530	76	37-111	
4-Nitrophenol	ug/kg	8330	5470	66	21-152	
Acetophenone	ug/kg	1670	867	52	39-112	
Atrazine	ug/kg	1670	1690	101	39-112	
Benzaldehyde	ug/kg	1670	ND	0	39-112	L0
Biphenyl (Diphenyl)	ug/kg	1670	858	51	39-112	
bis(2-Chloroethoxy)methane	ug/kg	1670	1130	68	39-110	
bis(2-Chloroethyl) ether	ug/kg	1670	1060	64	19-119	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1110	67	35-116	
Butylbenzylphthalate	ug/kg	1670	1110	66	38-110	
Caprolactam	ug/kg	1670	1620	97	39-112	
Carbazole	ug/kg	1670	1220	73	39-112	
Di-n-butylphthalate	ug/kg	1670	1080	65	43-109	
Di-n-octylphthalate	ug/kg	1670	1150	69	37-109	
Dibenzofuran	ug/kg	1670	908	54	45-106	
Diethylphthalate	ug/kg	1670	1020	61	41-114	
Dimethylphthalate	ug/kg	1670	1000	60	43-110	
Hexachloro-1,3-butadiene	ug/kg	1670	741	44	28-111	
Hexachlorobenzene	ug/kg	1670	963	58	46-120	
Hexachlorocyclopentadiene	ug/kg	1670	1220	73	18-119	
Hexachloroethane	ug/kg	1670	975	59	33-110	
Isophorone	ug/kg	1670	853	51	44-109	
N-Nitroso-di-n-propylamine	ug/kg	1670	872	52	43-104	
N-Nitrosodiphenylamine	ug/kg	1670	931	56	48-113	
Nitrobenzene	ug/kg	1670	834	50	38-110	
Pentachlorophenol	ug/kg	8330	2360	28	32-128	L0
Phenol	ug/kg	1670	1020	61	28-106	
2,4,6-Tribromophenol (S)	%			83	27-110	
2-Fluorobiphenyl (S)	%			63	30-110	
2-Fluorophenol (S)	%			71	13-110	
Nitrobenzene-d5 (S)	%			53	23-110	
Phenol-d6 (S)	%			74	22-110	
Terphenyl-d14 (S)	%			71	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1092639 1092640

Parameter	Units	92180392034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4,5-Tetrachlorobenzene	ug/kg	ND	2000	2000	1290	1340	64	67	50-150	4	30	
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	2000	2000	1030	1100	51	55	50-150	7	30	
2,3,4,6-Tetrachlorophenol	ug/kg	ND	2000	2000	2690	2590	135	130	50-150	4	30	
2,4,5-Trichlorophenol	ug/kg	ND	2000	2000	1160	1210	58	61	28-110	5	30	
2,4,6-Trichlorophenol	ug/kg	ND	2000	2000	1020	1090	51	54	17-117	6	30	
2,4-Dichlorophenol	ug/kg	ND	2000	2000	900	941	45	47	21-128	4	30	
2,4-Dimethylphenol	ug/kg	ND	2000	2000	593	639	30	32	10-120	8	30	
2,4-Dinitrophenol	ug/kg	ND	9980	9980	5710	5810	57	58	10-107	2	30	
2,4-Dinitrotoluene	ug/kg	ND	2000	2000	1330	1260	66	63	36-109	5	30	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1092639 1092640

Parameter	Units	92180392034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,6-Dinitrotoluene	ug/kg	ND	2000	2000	1250	1210	63	61	32-110	3	30	
2-Chloronaphthalene	ug/kg	ND	2000	2000	1090	1110	55	55	30-107	1	30	
2-Chlorophenol	ug/kg	ND	2000	2000	1130	1190	56	60	14-106	6	30	
2-Methylphenol(o-Cresol)	ug/kg	ND	2000	2000	989	1080	50	54	10-124	9	30	
2-Nitroaniline	ug/kg	ND	3990	3990	2550	2630	64	66	26-116	3	30	
2-Nitrophenol	ug/kg	ND	2000	2000	920	990	46	50	28-103	7	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	2000	2000	975	1040	49	52	10-109	7	30	
3,3'-Dichlorobenzidine	ug/kg	ND	9980	9980	1590J	1570J	16	16	10-150		30	
3-Nitroaniline	ug/kg	ND	3990	3990	2500	2460	62	62	22-110	1	30	
4,6-Dinitro-2-methylphenol	ug/kg	ND	3990	3990	2370	2610	59	65	13-121	10	30	
4-Bromophenylphenyl ether	ug/kg	ND	2000	2000	1150	1240	58	62	31-109	7	30	
4-Chloro-3-methylphenol	ug/kg	ND	3990	3990	1910	2020	48	51	13-128	6	30	
4-Chloroaniline	ug/kg	ND	3990	3990	1770J	1850J	44	46	18-102		30	
4-Chlorophenylphenyl ether	ug/kg	ND	2000	2000	1270	1270	63	64	29-112	1	30	
4-Nitroaniline	ug/kg	ND	3990	3990	2770	2470	69	62	16-111	11	30	
4-Nitrophenol	ug/kg	ND	9980	9980	6800	6210	68	62	14-135	9	30	
Acetophenone	ug/kg	ND	2000	2000	1000	1040	50	52	50-150	4	30	
Atrazine	ug/kg	ND	2000	2000	1480	1580	74	79	50-150	6	30	
Benzaldehyde	ug/kg	ND	2000	2000	ND	ND	4	4	50-150		30	M0
Biphenyl (Diphenyl)	ug/kg	ND	2000	2000	954	953	48	48	50-150	0	30	M1
bis(2-Chloroethoxy)methane	ug/kg	ND	2000	2000	1240	1360	62	68	13-119	9	30	
bis(2-Chloroethyl) ether	ug/kg	ND	2000	2000	1180	1290	59	64	10-134	8	30	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	2000	2000	1040	1130	52	56	10-125	8	30	
Butylbenzylphthalate	ug/kg	ND	2000	2000	1070	1170	54	58	18-110	9	30	
Caprolactam	ug/kg	ND	2000	2000	1620	1670	81	84	50-150	3	30	
Carbazole	ug/kg	ND	2000	2000	1190	1220	60	61	50-150	2	30	
Di-n-butylphthalate	ug/kg	ND	2000	2000	1060	1090	53	55	19-112	3	30	
Di-n-octylphthalate	ug/kg	ND	2000	2000	991	1030	50	52	17-105	4	30	
Dibenzofuran	ug/kg	ND	2000	2000	1010	978	50	49	35-103	3	30	
Diethylphthalate	ug/kg	ND	2000	2000	1130	1050	56	53	27-113	7	30	
Dimethylphthalate	ug/kg	ND	2000	2000	1070	1080	54	54	26-111	0	30	
Hexachloro-1,3-butadiene	ug/kg	ND	2000	2000	806	861	40	43	16-116	7	30	
Hexachlorobenzene	ug/kg	ND	2000	2000	892	978	45	49	27-120	9	30	
Hexachlorocyclopentadiene	ug/kg	ND	2000	2000	1320	1390	66	70	10-108	5	30	
Hexachloroethane	ug/kg	ND	2000	2000	1130	1160	57	58	10-117	2	30	
Isophorone	ug/kg	ND	2000	2000	985	1040	49	52	28-114	6	30	
N-Nitroso-di-n-propylamine	ug/kg	ND	2000	2000	959	1030	48	52	27-113	8	30	
N-Nitrosodiphenylamine	ug/kg	ND	2000	2000	837	915	42	46	10-128	9	30	
Nitrobenzene	ug/kg	ND	2000	2000	979	1030	49	51	18-114	5	30	
Pentachlorophenol	ug/kg	ND	9980	9980	2210	2350	22	24	10-122	6	30	
Phenol	ug/kg	ND	2000	2000	1070	1090	54	54	11-102	1	30	
2,4,6-Tribromophenol (S)	%						56	61	27-110			
2-Fluorobiphenyl (S)	%						56	59	30-110			
2-Fluorophenol (S)	%						57	58	13-110			
Nitrobenzene-d5 (S)	%						50	52	23-110			
Phenol-d6 (S)	%						56	61	22-110			

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1092639 1092640

Parameter	Units	92180392034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Terphenyl-d14 (S)	%						58	64	28-110			

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

QC Batch: OEXT/24880
QC Batch Method: EPA 3546
Analysis Method: EPA 8270
Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92180392043

METHOD BLANK: 1092802
Matrix: Solid
Associated Lab Samples: 92180392043

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	ND	330	11/26/13 00:32	
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	330	11/26/13 00:32	
2,3,4,6-Tetrachlorophenol	ug/kg	ND	330	11/26/13 00:32	
2,4,5-Trichlorophenol	ug/kg	ND	330	11/26/13 00:32	
2,4,6-Trichlorophenol	ug/kg	ND	330	11/26/13 00:32	
2,4-Dichlorophenol	ug/kg	ND	330	11/26/13 00:32	
2,4-Dimethylphenol	ug/kg	ND	330	11/26/13 00:32	
2,4-Dinitrophenol	ug/kg	ND	1650	11/26/13 00:32	
2,4-Dinitrotoluene	ug/kg	ND	330	11/26/13 00:32	
2,6-Dinitrotoluene	ug/kg	ND	330	11/26/13 00:32	
2-Chloronaphthalene	ug/kg	ND	330	11/26/13 00:32	
2-Chlorophenol	ug/kg	ND	330	11/26/13 00:32	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	11/26/13 00:32	
2-Nitroaniline	ug/kg	ND	1650	11/26/13 00:32	
2-Nitrophenol	ug/kg	ND	330	11/26/13 00:32	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	11/26/13 00:32	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	11/26/13 00:32	
3-Nitroaniline	ug/kg	ND	1650	11/26/13 00:32	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	11/26/13 00:32	
4-Bromophenylphenyl ether	ug/kg	ND	330	11/26/13 00:32	
4-Chloro-3-methylphenol	ug/kg	ND	660	11/26/13 00:32	
4-Chloroaniline	ug/kg	ND	1650	11/26/13 00:32	
4-Chlorophenylphenyl ether	ug/kg	ND	330	11/26/13 00:32	
4-Nitroaniline	ug/kg	ND	660	11/26/13 00:32	
4-Nitrophenol	ug/kg	ND	1650	11/26/13 00:32	
Acetophenone	ug/kg	ND	330	11/26/13 00:32	
Atrazine	ug/kg	ND	660	11/26/13 00:32	
Benzaldehyde	ug/kg	ND	660	11/26/13 00:32	
Biphenyl (Diphenyl)	ug/kg	ND	330	11/26/13 00:32	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	11/26/13 00:32	
bis(2-Chloroethyl) ether	ug/kg	ND	330	11/26/13 00:32	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	11/26/13 00:32	
Butylbenzylphthalate	ug/kg	ND	330	11/26/13 00:32	
Caprolactam	ug/kg	ND	330	11/26/13 00:32	
Carbazole	ug/kg	ND	330	11/26/13 00:32	
Di-n-butylphthalate	ug/kg	ND	330	11/26/13 00:32	
Di-n-octylphthalate	ug/kg	ND	330	11/26/13 00:32	
Dibenzofuran	ug/kg	ND	330	11/26/13 00:32	
Diethylphthalate	ug/kg	ND	330	11/26/13 00:32	
Dimethylphthalate	ug/kg	ND	330	11/26/13 00:32	
Hexachloro-1,3-butadiene	ug/kg	ND	330	11/26/13 00:32	
Hexachlorobenzene	ug/kg	ND	330	11/26/13 00:32	
Hexachlorocyclopentadiene	ug/kg	ND	330	11/26/13 00:32	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

METHOD BLANK: 1092802 Matrix: Solid
Associated Lab Samples: 92180392043

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloroethane	ug/kg	ND	330	11/26/13 00:32	
Isophorone	ug/kg	ND	330	11/26/13 00:32	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	11/26/13 00:32	
N-Nitrosodiphenylamine	ug/kg	ND	330	11/26/13 00:32	
Nitrobenzene	ug/kg	ND	330	11/26/13 00:32	
Pentachlorophenol	ug/kg	ND	1650	11/26/13 00:32	
Phenol	ug/kg	ND	330	11/26/13 00:32	
2,4,6-Tribromophenol (S)	%	80	27-110	11/26/13 00:32	
2-Fluorobiphenyl (S)	%	75	30-110	11/26/13 00:32	
2-Fluorophenol (S)	%	76	13-110	11/26/13 00:32	
Nitrobenzene-d5 (S)	%	73	23-110	11/26/13 00:32	
Phenol-d6 (S)	%	87	22-110	11/26/13 00:32	
Terphenyl-d14 (S)	%	82	28-110	11/26/13 00:32	

LABORATORY CONTROL SAMPLE & LCSD: 1092803 1092804

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	1670	1380	1420	83	85	39-112	3	30	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1070	1210	64	72	21-110	12	30	
2,3,4,6-Tetrachlorophenol	ug/kg	1670	2820	2770	169	166	39-112	2	30	L0
2,4,5-Trichlorophenol	ug/kg	1670	1310	1360	78	82	48-109	4	30	
2,4,6-Trichlorophenol	ug/kg	1670	1190	1250	71	75	45-111	5	30	
2,4-Dichlorophenol	ug/kg	1670	938	1010	56	61	51-116	7	30	
2,4-Dimethylphenol	ug/kg	1670	1060	1110	64	67	42-103	5	30	
2,4-Dinitrophenol	ug/kg	8330	6800	6680	82	80	28-103	2	30	
2,4-Dinitrotoluene	ug/kg	1670	1380	1400	83	84	46-114	1	30	
2,6-Dinitrotoluene	ug/kg	1670	1390	1380	84	83	48-112	1	30	
2-Chloronaphthalene	ug/kg	1670	1180	1250	71	75	44-105	6	30	
2-Chlorophenol	ug/kg	1670	1210	1320	73	79	36-110	9	30	
2-Methylphenol(o-Cresol)	ug/kg	1670	1270	1380	76	83	39-101	9	30	
2-Nitroaniline	ug/kg	3330	2770	2780	83	83	44-111	0	30	
2-Nitrophenol	ug/kg	1670	979	1050	59	63	41-100	7	30	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1240	1330	74	80	43-103	7	30	
3,3'-Dichlorobenzidine	ug/kg	8330	2530	2640	30	32	10-150	4	30	
3-Nitroaniline	ug/kg	3330	2790	2830	84	85	35-110	1	30	
4,6-Dinitro-2-methylphenol	ug/kg	3330	2800	2790	84	84	38-118	0	30	
4-Bromophenylphenyl ether	ug/kg	1670	1350	1360	81	82	47-115	1	30	
4-Chloro-3-methylphenol	ug/kg	3330	1980	2090	59	63	43-127	5	30	
4-Chloroaniline	ug/kg	3330	1990	2050	60	61	34-109	3	30	
4-Chlorophenylphenyl ether	ug/kg	1670	1330	1390	80	84	44-115	5	30	
4-Nitroaniline	ug/kg	3330	2790	2910	84	87	37-111	4	30	
4-Nitrophenol	ug/kg	8330	6450	6430	77	77	21-152	0	30	
Acetophenone	ug/kg	1670	1030	1100	62	66	39-112	7	30	
Atrazine	ug/kg	1670	1800	1870	108	112	39-112	4	30	
Benzaldehyde	ug/kg	1670	ND	ND	0	0	39-112		30	L0

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

LABORATORY CONTROL SAMPLE & LCSD: 1092803 1092804

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Biphenyl (Diphenyl)	ug/kg	1670	1040	1080	62	65	39-112	4	30	
bis(2-Chloroethoxy)methane	ug/kg	1670	1270	1350	76	81	39-110	6	30	
bis(2-Chloroethyl) ether	ug/kg	1670	1240	1320	74	79	19-119	6	30	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1230	1290	74	77	35-116	4	30	
Butylbenzylphthalate	ug/kg	1670	1310	1290	79	78	38-110	2	30	
Caprolactam	ug/kg	1670	1700	1810	102	109	39-112	6	30	
Carbazole	ug/kg	1670	1330	1370	80	82	39-112	3	30	
Di-n-butylphthalate	ug/kg	1670	1180	1200	71	72	43-109	2	30	
Di-n-octylphthalate	ug/kg	1670	1200	1310	72	79	37-109	9	30	
Dibenzofuran	ug/kg	1670	1060	1080	63	65	45-106	2	30	
Diethylphthalate	ug/kg	1670	1150	1170	69	70	41-114	1	30	
Dimethylphthalate	ug/kg	1670	1160	1160	69	70	43-110	0	30	
Hexachloro-1,3-butadiene	ug/kg	1670	786	839	47	50	28-111	7	30	
Hexachlorobenzene	ug/kg	1670	1080	1100	65	66	46-120	2	30	
Hexachlorocyclopentadiene	ug/kg	1670	1440	1560	86	94	18-119	8	30	
Hexachloroethane	ug/kg	1670	1060	1210	64	73	33-110	14	30	
Isophorone	ug/kg	1670	987	1040	59	62	44-109	5	30	
N-Nitroso-di-n-propylamine	ug/kg	1670	1020	1070	61	64	43-104	5	30	
N-Nitrosodiphenylamine	ug/kg	1670	1050	1060	63	63	48-113	0	30	
Nitrobenzene	ug/kg	1670	958	986	57	59	38-110	3	30	
Pentachlorophenol	ug/kg	8330	2620	2640	31	32	32-128	0	30	L0
Phenol	ug/kg	1670	1230	1280	74	77	28-106	4	30	
2,4,6-Tribromophenol (S)	%				88	90	27-110			
2-Fluorobiphenyl (S)	%				75	76	30-110			
2-Fluorophenol (S)	%				79	87	13-110			
Nitrobenzene-d5 (S)	%				59	62	23-110			
Phenol-d6 (S)	%				85	89	22-110			
Terphenyl-d14 (S)	%				88	83	28-110			

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

QC Batch: OEXT/24961
QC Batch Method: EPA 3546
Analysis Method: EPA 8270
Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92180392026

METHOD BLANK: 1095380
Matrix: Solid
Associated Lab Samples: 92180392026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	ND	330	11/27/13 13:32	
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	330	11/27/13 13:32	
2,3,4,6-Tetrachlorophenol	ug/kg	ND	330	11/27/13 13:32	
2,4,5-Trichlorophenol	ug/kg	ND	330	11/27/13 13:32	
2,4,6-Trichlorophenol	ug/kg	ND	330	11/27/13 13:32	
2,4-Dichlorophenol	ug/kg	ND	330	11/27/13 13:32	
2,4-Dimethylphenol	ug/kg	ND	330	11/27/13 13:32	
2,4-Dinitrophenol	ug/kg	ND	1650	11/27/13 13:32	
2,4-Dinitrotoluene	ug/kg	ND	330	11/27/13 13:32	
2,6-Dinitrotoluene	ug/kg	ND	330	11/27/13 13:32	
2-Chloronaphthalene	ug/kg	ND	330	11/27/13 13:32	
2-Chlorophenol	ug/kg	ND	330	11/27/13 13:32	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	11/27/13 13:32	
2-Nitroaniline	ug/kg	ND	1650	11/27/13 13:32	
2-Nitrophenol	ug/kg	ND	330	11/27/13 13:32	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	11/27/13 13:32	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	11/27/13 13:32	
3-Nitroaniline	ug/kg	ND	1650	11/27/13 13:32	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	11/27/13 13:32	
4-Bromophenylphenyl ether	ug/kg	ND	330	11/27/13 13:32	
4-Chloro-3-methylphenol	ug/kg	ND	660	11/27/13 13:32	
4-Chloroaniline	ug/kg	ND	1650	11/27/13 13:32	
4-Chlorophenylphenyl ether	ug/kg	ND	330	11/27/13 13:32	
4-Nitroaniline	ug/kg	ND	660	11/27/13 13:32	
4-Nitrophenol	ug/kg	ND	1650	11/27/13 13:32	
Acetophenone	ug/kg	ND	330	11/27/13 13:32	
Atrazine	ug/kg	ND	660	11/27/13 13:32	
Benzaldehyde	ug/kg	ND	660	11/27/13 13:32	
Biphenyl (Diphenyl)	ug/kg	ND	330	11/27/13 13:32	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	11/27/13 13:32	
bis(2-Chloroethyl) ether	ug/kg	ND	330	11/27/13 13:32	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	11/27/13 13:32	
Butylbenzylphthalate	ug/kg	ND	330	11/27/13 13:32	
Caprolactam	ug/kg	ND	330	11/27/13 13:32	
Carbazole	ug/kg	ND	330	11/27/13 13:32	
Di-n-butylphthalate	ug/kg	ND	330	11/27/13 13:32	
Di-n-octylphthalate	ug/kg	ND	330	11/27/13 13:32	
Dibenzofuran	ug/kg	ND	330	11/27/13 13:32	
Diethylphthalate	ug/kg	ND	330	11/27/13 13:32	
Dimethylphthalate	ug/kg	ND	330	11/27/13 13:32	
Hexachloro-1,3-butadiene	ug/kg	ND	330	11/27/13 13:32	
Hexachlorobenzene	ug/kg	ND	330	11/27/13 13:32	
Hexachlorocyclopentadiene	ug/kg	ND	330	11/27/13 13:32	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

METHOD BLANK: 1095380 Matrix: Solid
Associated Lab Samples: 92180392026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloroethane	ug/kg	ND	330	11/27/13 13:32	
Isophorone	ug/kg	ND	330	11/27/13 13:32	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	11/27/13 13:32	
N-Nitrosodiphenylamine	ug/kg	ND	330	11/27/13 13:32	
Nitrobenzene	ug/kg	ND	330	11/27/13 13:32	
Pentachlorophenol	ug/kg	ND	1650	11/27/13 13:32	
Phenol	ug/kg	ND	330	11/27/13 13:32	
2,4,6-Tribromophenol (S)	%	83	27-110	11/27/13 13:32	
2-Fluorobiphenyl (S)	%	84	30-110	11/27/13 13:32	
2-Fluorophenol (S)	%	78	13-110	11/27/13 13:32	
Nitrobenzene-d5 (S)	%	75	23-110	11/27/13 13:32	
Phenol-d6 (S)	%	77	22-110	11/27/13 13:32	
Terphenyl-d14 (S)	%	87	28-110	11/27/13 13:32	

LABORATORY CONTROL SAMPLE & LCSD: 1095381 1095382

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/kg	1670	1420	958	85	57	39-112	39	30	R1
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1060	692	63	42	21-110	42	30	R1
2,3,4,6-Tetrachlorophenol	ug/kg	1670	2860	2520	172	151	39-112	13	30	L0
2,4,5-Trichlorophenol	ug/kg	1670	1370	1100	82	66	48-109	22	30	
2,4,6-Trichlorophenol	ug/kg	1670	1220	906	73	54	45-111	30	30	
2,4-Dichlorophenol	ug/kg	1670	999	684	60	41	51-116	37	30	L0,R1
2,4-Dimethylphenol	ug/kg	1670	1080	734	65	44	42-103	39	30	R1
2,4-Dinitrophenol	ug/kg	8330	6750	5880	81	71	28-103	14	30	
2,4-Dinitrotoluene	ug/kg	1670	1490	1290	89	77	46-114	15	30	
2,6-Dinitrotoluene	ug/kg	1670	1470	1200	88	72	48-112	20	30	
2-Chloronaphthalene	ug/kg	1670	1190	840	71	50	44-105	34	30	R1
2-Chlorophenol	ug/kg	1670	1240	820	74	49	36-110	41	30	R1
2-Methylphenol(o-Cresol)	ug/kg	1670	1280	822	77	49	39-101	44	30	R1
2-Nitroaniline	ug/kg	3330	2980	2500	89	75	44-111	17	30	
2-Nitrophenol	ug/kg	1670	1010	700	61	42	41-100	36	30	R1
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1210	799	72	48	43-103	41	30	R1
3,3'-Dichlorobenzidine	ug/kg	8330	2680	2460	32	30	10-150	8	30	
3-Nitroaniline	ug/kg	3330	2900	2530	87	76	35-110	14	30	
4,6-Dinitro-2-methylphenol	ug/kg	3330	2910	2560	87	77	38-118	13	30	
4-Bromophenylphenyl ether	ug/kg	1670	1420	1200	85	72	47-115	17	30	
4-Chloro-3-methylphenol	ug/kg	3330	2180	1820	65	55	43-127	18	30	
4-Chloroaniline	ug/kg	3330	2050	1490J	61	45	34-109		30	
4-Chlorophenylphenyl ether	ug/kg	1670	1410	1180	85	71	44-115	18	30	
4-Nitroaniline	ug/kg	3330	3000	2690	90	81	37-111	11	30	
4-Nitrophenol	ug/kg	8330	7410	6560	89	79	21-152	12	30	
Acetophenone	ug/kg	1670	1050	712	63	43	39-112	38	30	R1
Atrazine	ug/kg	1670	2040	1740	122	104	39-112	16	30	L0
Benzaldehyde	ug/kg	1670	ND	ND	0	0	39-112		30	L0

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

LABORATORY CONTROL SAMPLE & LCSD: 1095381 1095382

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Biphenyl (Diphenyl)	ug/kg	1670	1060	742	64	45	39-112	35	30	R1
bis(2-Chloroethoxy)methane	ug/kg	1670	1370	924	82	55	39-110	39	30	R1
bis(2-Chloroethyl) ether	ug/kg	1670	1260	830	75	50	19-119	41	30	R1
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1300	1150	78	69	35-116	12	30	
Butylbenzylphthalate	ug/kg	1670	1370	1210	82	73	38-110	12	30	
Caprolactam	ug/kg	1670	1760	1620	106	97	39-112	8	30	
Carbazole	ug/kg	1670	1400	1240	84	75	39-112	12	30	
Di-n-butylphthalate	ug/kg	1670	1250	1150	75	69	43-109	8	30	
Di-n-octylphthalate	ug/kg	1670	1230	1090	74	66	37-109	12	30	
Dibenzofuran	ug/kg	1670	1130	889	68	53	45-106	24	30	
Diethylphthalate	ug/kg	1670	1250	1080	75	65	41-114	14	30	
Dimethylphthalate	ug/kg	1670	1230	1060	74	64	43-110	15	30	
Hexachloro-1,3-butadiene	ug/kg	1670	903	619	54	37	28-111	37	30	R1
Hexachlorobenzene	ug/kg	1670	1120	1000	67	60	46-120	11	30	
Hexachlorocyclopentadiene	ug/kg	1670	1520	987	91	59	18-119	43	30	R1
Hexachloroethane	ug/kg	1670	1190	783	71	47	33-110	41	30	R1
Isophorone	ug/kg	1670	1070	747	64	45	44-109	36	30	R1
N-Nitroso-di-n-propylamine	ug/kg	1670	1050	710	63	43	43-104	39	30	R1
N-Nitrosodiphenylamine	ug/kg	1670	1110	961	67	58	48-113	14	30	
Nitrobenzene	ug/kg	1670	1040	747	62	45	38-110	33	30	R1
Pentachlorophenol	ug/kg	8330	2730	2400	33	29	32-128	13	30	L0
Phenol	ug/kg	1670	1230	795	74	48	28-106	43	30	R1
2,4,6-Tribromophenol (S)	%				89	73	27-110			
2-Fluorobiphenyl (S)	%				77	49	30-110			
2-Fluorophenol (S)	%				81	51	13-110			
Nitrobenzene-d5 (S)	%				65	44	23-110			
Phenol-d6 (S)	%				83	54	22-110			
Terphenyl-d14 (S)	%				86	74	28-110			

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

QC Batch: OEXT/24865 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV PAH by SIM
Associated Lab Samples: 92180392003, 92180392004, 92180392005, 92180392006, 92180392007, 92180392008, 92180392009, 92180392010, 92180392011, 92180392012, 92180392013, 92180392014, 92180392015, 92180392016, 92180392017, 92180392018, 92180392019, 92180392020, 92180392021, 92180392022

METHOD BLANK: 1092276 Matrix: Solid
Associated Lab Samples: 92180392003, 92180392004, 92180392005, 92180392006, 92180392007, 92180392008, 92180392009, 92180392010, 92180392011, 92180392012, 92180392013, 92180392014, 92180392015, 92180392016, 92180392017, 92180392018, 92180392019, 92180392020, 92180392021, 92180392022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	10.0	11/26/13 11:13	
2-Methylnaphthalene	ug/kg	ND	10.0	11/26/13 11:13	
Acenaphthene	ug/kg	ND	10.0	11/26/13 11:13	
Acenaphthylene	ug/kg	ND	10.0	11/26/13 11:13	
Anthracene	ug/kg	ND	10.0	11/26/13 11:13	
Benzo(a)anthracene	ug/kg	ND	10.0	11/26/13 11:13	
Benzo(a)pyrene	ug/kg	ND	10.0	11/26/13 11:13	
Benzo(b)fluoranthene	ug/kg	ND	10.0	11/26/13 11:13	
Benzo(g,h,i)perylene	ug/kg	ND	10.0	11/26/13 11:13	
Benzo(k)fluoranthene	ug/kg	ND	10.0	11/26/13 11:13	
Chrysene	ug/kg	ND	10.0	11/26/13 11:13	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	11/26/13 11:13	
Fluoranthene	ug/kg	ND	10.0	11/26/13 11:13	
Fluorene	ug/kg	ND	10.0	11/26/13 11:13	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	11/26/13 11:13	
Naphthalene	ug/kg	ND	10.0	11/26/13 11:13	
Phenanthrene	ug/kg	ND	10.0	11/26/13 11:13	
Pyrene	ug/kg	ND	10.0	11/26/13 11:13	
2-Fluorobiphenyl (S)	%	79	10-110	11/26/13 11:13	
Nitrobenzene-d5 (S)	%	80	10-128	11/26/13 11:13	
Terphenyl-d14 (S)	%	97	39-119	11/26/13 11:13	

LABORATORY CONTROL SAMPLE: 1092277

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	33.3	30.3	91	29-108	
2-Methylnaphthalene	ug/kg	33.3	30.6	92	30-104	
Acenaphthene	ug/kg	33.3	30.1	90	38-109	
Acenaphthylene	ug/kg	33.3	27.7	83	41-109	
Anthracene	ug/kg	33.3	31.3	94	45-114	
Benzo(a)anthracene	ug/kg	33.3	32.1	96	45-109	
Benzo(a)pyrene	ug/kg	33.3	34.0	102	47-117	
Benzo(b)fluoranthene	ug/kg	33.3	30.6	92	32-113	
Benzo(g,h,i)perylene	ug/kg	33.3	29.1	87	10-149	
Benzo(k)fluoranthene	ug/kg	33.3	29.0	87	41-104	
Chrysene	ug/kg	33.3	31.6	95	35-116	
Dibenz(a,h)anthracene	ug/kg	33.3	31.0	93	13-139	
Fluoranthene	ug/kg	33.3	33.1	99	43-110	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

LABORATORY CONTROL SAMPLE: 1092277

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	ug/kg	33.3	30.1	90	45-111	
Indeno(1,2,3-cd)pyrene	ug/kg	33.3	33.2	100	17-135	
Naphthalene	ug/kg	33.3	28.5	86	26-120	
Phenanthrene	ug/kg	33.3	31.1	93	45-110	
Pyrene	ug/kg	33.3	33.0	99	38-114	
2-Fluorobiphenyl (S)	%			76	10-110	
Nitrobenzene-d5 (S)	%			77	10-128	
Terphenyl-d14 (S)	%			100	39-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1092278 1092279

Parameter	Units	92180392020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	ND	38.3	38.3	31.9	23.0	83	60	50-150	32	30	R1
2-Methylnaphthalene	ug/kg	ND	38.3	38.3	31.4	22.3	82	58	50-150	34	30	R1
Acenaphthene	ug/kg	ND	38.3	38.3	31.5	23.1	82	60	50-150	31	30	R1
Acenaphthylene	ug/kg	ND	38.3	38.3	28.4	20.3	74	53	50-150	33	30	R1
Anthracene	ug/kg	ND	38.3	38.3	30.4	25.4	79	66	50-150	18	30	
Benzo(a)anthracene	ug/kg	ND	38.3	38.3	29.4	28.3	77	74	50-150	4	30	
Benzo(a)pyrene	ug/kg	ND	38.3	38.3	30.4	28.6	79	75	50-150	6	30	
Benzo(b)fluoranthene	ug/kg	ND	38.3	38.3	25.8	23.9	67	62	50-150	8	30	
Benzo(g,h,i)perylene	ug/kg	ND	38.3	38.3	26.1	23.5	68	61	50-150	11	30	
Benzo(k)fluoranthene	ug/kg	ND	38.3	38.3	27.5	25.4	72	66	50-150	8	30	
Chrysene	ug/kg	ND	38.3	38.3	29.1	28.1	76	73	50-150	4	30	
Dibenz(a,h)anthracene	ug/kg	ND	38.3	38.3	30.3	26.6	79	69	50-150	13	30	
Fluoranthene	ug/kg	ND	38.3	38.3	33.0	29.0	86	76	50-150	13	30	
Fluorene	ug/kg	ND	38.3	38.3	31.6	22.1	82	58	50-150	35	30	R1
Indeno(1,2,3-cd)pyrene	ug/kg	ND	38.3	38.3	31.1	27.7	81	72	50-150	12	30	
Naphthalene	ug/kg	ND	38.3	38.3	29.9	22.2	78	58	50-150	29	30	
Phenanthrene	ug/kg	ND	38.3	38.3	30.9	24.6	81	64	50-150	23	30	
Pyrene	ug/kg	ND	38.3	38.3	32.6	29.0	85	76	50-150	12	30	
2-Fluorobiphenyl (S)	%						67	50	10-110			
Nitrobenzene-d5 (S)	%						68	49	10-128			
Terphenyl-d14 (S)	%						80	80	39-119			

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

QC Batch: OEXT/24866 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV PAH by SIM
Associated Lab Samples: 92180392023, 92180392024, 92180392025, 92180392026, 92180392027, 92180392028, 92180392029, 92180392030, 92180392031, 92180392032, 92180392033, 92180392034, 92180392035, 92180392036, 92180392037, 92180392038, 92180392039, 92180392040, 92180392041, 92180392042

METHOD BLANK: 1092334 Matrix: Solid
Associated Lab Samples: 92180392023, 92180392024, 92180392025, 92180392026, 92180392027, 92180392028, 92180392029, 92180392030, 92180392031, 92180392032, 92180392033, 92180392034, 92180392035, 92180392036, 92180392037, 92180392038, 92180392039, 92180392040, 92180392041, 92180392042

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	10.0	11/27/13 13:41	
2-Methylnaphthalene	ug/kg	ND	10.0	11/27/13 13:41	
Acenaphthene	ug/kg	ND	10.0	11/27/13 13:41	
Acenaphthylene	ug/kg	ND	10.0	11/27/13 13:41	
Anthracene	ug/kg	ND	10.0	11/27/13 13:41	
Benzo(a)anthracene	ug/kg	ND	10.0	11/27/13 13:41	
Benzo(a)pyrene	ug/kg	ND	10.0	11/27/13 13:41	
Benzo(b)fluoranthene	ug/kg	ND	10.0	11/27/13 13:41	
Benzo(g,h,i)perylene	ug/kg	ND	10.0	11/27/13 13:41	
Benzo(k)fluoranthene	ug/kg	ND	10.0	11/27/13 13:41	
Chrysene	ug/kg	ND	10.0	11/27/13 13:41	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	11/27/13 13:41	
Fluoranthene	ug/kg	ND	10.0	11/27/13 13:41	
Fluorene	ug/kg	ND	10.0	11/27/13 13:41	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	11/27/13 13:41	
Naphthalene	ug/kg	ND	10.0	11/27/13 13:41	
Phenanthrene	ug/kg	ND	10.0	11/27/13 13:41	
Pyrene	ug/kg	ND	10.0	11/27/13 13:41	
2-Fluorobiphenyl (S)	%	73	10-110	11/27/13 13:41	
Nitrobenzene-d5 (S)	%	73	10-128	11/27/13 13:41	
Terphenyl-d14 (S)	%	109	39-119	11/27/13 13:41	

LABORATORY CONTROL SAMPLE: 1092335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	33.3	32.9	99	29-108	
2-Methylnaphthalene	ug/kg	33.3	34.2	103	30-104	
Acenaphthene	ug/kg	33.3	35.2	106	38-109	
Acenaphthylene	ug/kg	33.3	31.7	95	41-109	
Anthracene	ug/kg	33.3	33.9	102	45-114	
Benzo(a)anthracene	ug/kg	33.3	32.5	97	45-109	
Benzo(a)pyrene	ug/kg	33.3	30.2	91	47-117	
Benzo(b)fluoranthene	ug/kg	33.3	25.4	76	32-113	
Benzo(g,h,i)perylene	ug/kg	33.3	32.1	96	10-149	
Benzo(k)fluoranthene	ug/kg	33.3	38.5	115	41-104	L0
Chrysene	ug/kg	33.3	37.7	113	35-116	
Dibenz(a,h)anthracene	ug/kg	33.3	32.6	98	13-139	
Fluoranthene	ug/kg	33.3	34.9	105	43-110	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

LABORATORY CONTROL SAMPLE: 1092335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	ug/kg	33.3	34.9	105	45-111	
Indeno(1,2,3-cd)pyrene	ug/kg	33.3	35.2	106	17-135	
Naphthalene	ug/kg	33.3	34.6	104	26-120	
Phenanthrene	ug/kg	33.3	35.0	105	45-110	
Pyrene	ug/kg	33.3	34.6	104	38-114	
2-Fluorobiphenyl (S)	%			95	10-110	
Nitrobenzene-d5 (S)	%			98	10-128	
Terphenyl-d14 (S)	%			101	39-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1092336 1092337

Parameter	Units	92180392034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	ND	39.9	39.9	30.8	22.0	77	55	50-150	34	30	R1
2-Methylnaphthalene	ug/kg	ND	39.9	39.9	31.8	22.7	80	57	50-150	34	30	R1
Acenaphthene	ug/kg	ND	39.9	39.9	32.0	21.1	80	53	50-150	41	30	R1
Acenaphthylene	ug/kg	ND	39.9	39.9	28.9	20.0	72	50	50-150	37	30	R1
Anthracene	ug/kg	ND	39.9	39.9	29.0	21.8	73	55	50-150	28	30	
Benzo(a)anthracene	ug/kg	ND	39.9	39.9	29.9	28.6	75	72	50-150	4	30	
Benzo(a)pyrene	ug/kg	ND	39.9	39.9	29.0	30.2	73	76	50-150	4	30	
Benzo(b)fluoranthene	ug/kg	ND	39.9	39.9	29.1	27.6	73	69	50-150	5	30	
Benzo(g,h,i)perylene	ug/kg	ND	39.9	39.9	23.4	22.5	58	56	50-150	4	30	
Benzo(k)fluoranthene	ug/kg	ND	39.9	39.9	29.3	27.9	70	67	50-150	5	30	
Chrysene	ug/kg	ND	39.9	39.9	30.0	28.7	75	72	50-150	4	30	
Dibenz(a,h)anthracene	ug/kg	ND	39.9	39.9	27.6	26.6	69	67	50-150	4	30	
Fluoranthene	ug/kg	ND	39.9	39.9	31.2	28.2	78	71	50-150	10	30	
Fluorene	ug/kg	ND	39.9	39.9	29.5	20.1	74	50	50-150	38	30	R1
Indeno(1,2,3-cd)pyrene	ug/kg	ND	39.9	39.9	28.2	27.1	71	68	50-150	4	30	
Naphthalene	ug/kg	ND	39.9	39.9	30.3	21.9	76	55	50-150	32	30	R1
Phenanthrene	ug/kg	ND	39.9	39.9	30.3	21.6	76	54	50-150	33	30	R1
Pyrene	ug/kg	ND	39.9	39.9	31.0	28.5	78	71	50-150	8	30	
2-Fluorobiphenyl (S)	%						70	50	10-110			
Nitrobenzene-d5 (S)	%						69	51	10-128			
Terphenyl-d14 (S)	%						81	75	39-119			

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

QC Batch: OEXT/24878
QC Batch Method: EPA 3546
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 MSSV PAH by SIM
Associated Lab Samples: 92180392043

METHOD BLANK: 1092782 Matrix: Solid
Associated Lab Samples: 92180392043

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	10.0	11/26/13 19:41	
2-Methylnaphthalene	ug/kg	ND	10.0	11/26/13 19:41	
Acenaphthene	ug/kg	ND	10.0	11/26/13 19:41	
Acenaphthylene	ug/kg	ND	10.0	11/26/13 19:41	
Anthracene	ug/kg	ND	10.0	11/26/13 19:41	
Benzo(a)anthracene	ug/kg	ND	10.0	11/26/13 19:41	
Benzo(a)pyrene	ug/kg	ND	10.0	11/26/13 19:41	
Benzo(b)fluoranthene	ug/kg	ND	10.0	11/26/13 19:41	
Benzo(g,h,i)perylene	ug/kg	ND	10.0	11/26/13 19:41	
Benzo(k)fluoranthene	ug/kg	ND	10.0	11/26/13 19:41	
Chrysene	ug/kg	ND	10.0	11/26/13 19:41	
Dibenz(a,h)anthracene	ug/kg	ND	10.0	11/26/13 19:41	
Fluoranthene	ug/kg	ND	10.0	11/26/13 19:41	
Fluorene	ug/kg	ND	10.0	11/26/13 19:41	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	10.0	11/26/13 19:41	
Naphthalene	ug/kg	ND	10.0	11/26/13 19:41	
Phenanthrene	ug/kg	ND	10.0	11/26/13 19:41	
Pyrene	ug/kg	ND	10.0	11/26/13 19:41	
2-Fluorobiphenyl (S)	%	86	10-110	11/26/13 19:41	
Nitrobenzene-d5 (S)	%	89	10-128	11/26/13 19:41	
Terphenyl-d14 (S)	%	109	39-119	11/26/13 19:41	

LABORATORY CONTROL SAMPLE & LCSD: 1092783 1092784

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/kg	33.3	35.3	33.9	106	102	29-108	4	30	
2-Methylnaphthalene	ug/kg	33.3	37.5	35.5	112	107	30-104	5	30	L0
Acenaphthene	ug/kg	33.3	35.6	34.2	107	103	38-109	4	30	
Acenaphthylene	ug/kg	33.3	33.2	31.8	100	95	41-109	4	30	
Anthracene	ug/kg	33.3	34.2	34.8	102	104	45-114	2	30	
Benzo(a)anthracene	ug/kg	33.3	33.7	34.1	101	102	45-109	1	30	
Benzo(a)pyrene	ug/kg	33.3	34.9	34.8	105	104	47-117	0	30	
Benzo(b)fluoranthene	ug/kg	33.3	32.3	33.2	97	100	32-113	3	30	
Benzo(g,h,i)perylene	ug/kg	33.3	29.9	29.7	90	89	10-149	1	30	
Benzo(k)fluoranthene	ug/kg	33.3	29.7	29.5	89	89	41-104	0	30	
Chrysene	ug/kg	33.3	34.0	33.9	102	102	35-116	0	30	
Dibenz(a,h)anthracene	ug/kg	33.3	34.7	34.3	104	103	13-139	1	30	
Fluoranthene	ug/kg	33.3	34.4	36.9	103	111	43-110	7	30	L0
Fluorene	ug/kg	33.3	34.1	35.0	102	105	45-111	3	30	
Indeno(1,2,3-cd)pyrene	ug/kg	33.3	35.9	35.2	108	106	17-135	2	30	
Naphthalene	ug/kg	33.3	35.7	34.1	107	102	26-120	4	30	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

LABORATORY CONTROL SAMPLE & LCSD: 1092783 1092784

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Phenanthrene	ug/kg	33.3	33.2	34.8	100	105	45-110	5	30	
Pyrene	ug/kg	33.3	33.6	35.7	101	107	38-114	6	30	
2-Fluorobiphenyl (S)	%				92	91	10-110			
Nitrobenzene-d5 (S)	%				94	95	10-128			
Terphenyl-d14 (S)	%				103	110	39-119			

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

QC Batch: PMST/6037
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92180392003, 92180392004, 92180392005, 92180392006, 92180392007, 92180392008, 92180392009, 92180392010

SAMPLE DUPLICATE: 1096625

Parameter	Units	92180373001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	28.8	27.1	6	25	

SAMPLE DUPLICATE: 1096626

Parameter	Units	92180772005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.2	20.3	6	25	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

QC Batch: PMST/6038
Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92180392011, 92180392012, 92180392013, 92180392014, 92180392015, 92180392016, 92180392017, 92180392018, 92180392019, 92180392020, 92180392021, 92180392022, 92180392023, 92180392024, 92180392025, 92180392026, 92180392027, 92180392028, 92180392029, 92180392030

SAMPLE DUPLICATE: 1096628

Parameter	Units	92180392011 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.5	10.7	2	25	

SAMPLE DUPLICATE: 1096629

Parameter	Units	92180392030 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.9	15.8	7	25	

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QUALITY CONTROL DATA

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

QC Batch: PMST/6039
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92180392031, 92180392032, 92180392033, 92180392034, 92180392035, 92180392036, 92180392037, 92180392038, 92180392039, 92180392040, 92180392041, 92180392042, 92180392043

SAMPLE DUPLICATE: 1096634

Parameter	Units	92180526004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.6	22.3	8	25	

SAMPLE DUPLICATE: 1096725

Parameter	Units	92180392031 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.2	20.4	6	25	

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QUALIFIERS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

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.

PRL - Pace Reporting Limit.

RL - Reporting 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.

SG - Silica Gel - Clean-Up

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

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

1g	The internal standard response is below criteria. No hits associated with this internal standard. Results unaffected by high bias.
A+	The reaction of the soil preservative, sodium bisulfate, is known to react with humic acid in soils to produce ketones. Based upon method blank results, the laboratory feels the ketones in this sample are a result of that reaction.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
IO	The internal standard response was outside the laboratory acceptance limits confirmed by reanalysis. The results reported are from the most QC compliant analysis.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
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.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P3	Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.
S2	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

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QUALIFIERS

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

ANALYTE QUALIFIERS

S4	Surrogate recovery not evaluated against control limits due to sample dilution.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92180392003	**CTS-SB-503**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392004	**CTS-SB-504**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392005	**CTS-SB-13-2-3**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392006	**CTS-SB-13-5-6**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392007	**CTS-SB-13-10-11**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392008	**CTS-SB-16-4-5**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392009	**CTS-SB-16-7-8**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392010	**CTS-SB-16-10-11**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392011	**CTS-SB-01-4-5**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392012	**CTS-SB-01-7-8**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392013	**CTS-SB-01-11-12**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392014	**CTS-SB-15-4-5**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392015	**CTS-SB-15-7-8**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392016	**CTS-SB-15-11-12**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392017	**CTS-SB-14-3-4**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392018	**CTS-SB-14-7-8**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392019	**CTS-SB-14-10-11**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392020	**CTS-SB-11-3-5**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392021	**CTS-SB-11-7-8**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392022	**CTS-SB-11-14-15**	EPA 3546	OEXT/24868	EPA 8270	MSSV/8475
92180392023	**CTS-SB-20-3-4**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392024	**CTS-SB-20-9-10**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392025	**CTS-SB-20-14-15**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392026	**CTS-SB-22-4-5**	EPA 3546	OEXT/24961	EPA 8270	MSSV/8495
92180392027	**CTS-SB-22-9-10**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392028	**CTS-SB-22-12-13**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392029	**CTS-SB-07-0-1**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392030	**CTS-SB-07-9-10**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392031	**CTS-SB-07-13-14**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392032	**CTSCSS-SB-208-4-5**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392033	**CTSCSS-SB-208-12-13**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392034	**CTSCSS-SB-208-7-9**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392035	**CTS-SB-12-2-3**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392036	**CTS-SB-12-9-10**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392037	**CTS-SB-12-14-15**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392038	**CTSCSS-SB-204-0-1**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392039	**CTSCSS-SB-204-9-10**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392040	**CTSCSS-SB-204-11-12**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392041	**CTSCSS-SB-205-0-1**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392042	**CTSCSS-SB-205-6-7**	EPA 3546	OEXT/24872	EPA 8270	MSSV/8482
92180392043	**CTSCSS-SB-205-14-15**	EPA 3546	OEXT/24880	EPA 8270	MSSV/8479
92180392003	**CTS-SB-503**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392004	**CTS-SB-504**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392005	**CTS-SB-13-2-3**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392006	**CTS-SB-13-5-6**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392007	**CTS-SB-13-10-11**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481

REPORT OF LABORATORY ANALYSIS

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(336)623-8921

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92180392008	**CTS-SB-16-4-5**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392009	**CTS-SB-16-7-8**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392010	**CTS-SB-16-10-11**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392011	**CTS-SB-01-4-5**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392012	**CTS-SB-01-7-8**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392013	**CTS-SB-01-11-12**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392014	**CTS-SB-15-4-5**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392015	**CTS-SB-15-7-8**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392016	**CTS-SB-15-11-12**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392017	**CTS-SB-14-3-4**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392018	**CTS-SB-14-7-8**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392019	**CTS-SB-14-10-11**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392020	**CTS-SB-11-3-5**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392021	**CTS-SB-11-7-8**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392022	**CTS-SB-11-14-15**	EPA 3546	OEXT/24865	EPA 8270 by SIM	MSSV/8481
92180392023	**CTS-SB-20-3-4**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392024	**CTS-SB-20-9-10**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392025	**CTS-SB-20-14-15**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392026	**CTS-SB-22-4-5**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392027	**CTS-SB-22-9-10**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392028	**CTS-SB-22-12-13**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392029	**CTS-SB-07-0-1**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392030	**CTS-SB-07-9-10**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392031	**CTS-SB-07-13-14**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392032	**CTSCSS-SB-208-4-5**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392033	**CTSCSS-SB-208-12-13**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392034	**CTSCSS-SB-208-7-9**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392035	**CTS-SB-12-2-3**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392036	**CTS-SB-12-9-10**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392037	**CTS-SB-12-14-15**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392038	**CTSCSS-SB-204-0-1**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392039	**CTSCSS-SB-204-9-10**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392040	**CTSCSS-SB-204-11-12**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392041	**CTSCSS-SB-205-0-1**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392042	**CTSCSS-SB-205-6-7**	EPA 3546	OEXT/24866	EPA 8270 by SIM	MSSV/8490
92180392043	**CTSCSS-SB-205-14-15**	EPA 3546	OEXT/24878	EPA 8270 by SIM	MSSV/8483
92180392001	**CTS-STB-04**	EPA 8260	MSV/25057		
92180392002	**CTS-STB-05**	EPA 8260	MSV/25057		
92180392003	**CTS-SB-503**	EPA 8260	MSV/25057		
92180392004	**CTS-SB-504**	EPA 8260	MSV/25057		
92180392005	**CTS-SB-13-2-3**	EPA 8260	MSV/25057		
92180392006	**CTS-SB-13-5-6**	EPA 8260	MSV/25057		
92180392007	**CTS-SB-13-10-11**	EPA 8260	MSV/25057		
92180392008	**CTS-SB-16-4-5**	EPA 8260	MSV/25057		
92180392009	**CTS-SB-16-7-8**	EPA 8260	MSV/25057		
92180392010	**CTS-SB-16-10-11**	EPA 8260	MSV/25057		
92180392011	**CTS-SB-01-4-5**	EPA 8260	MSV/25057		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92180392012	**CTS-SB-01-7-8**	EPA 8260	MSV/25057		
92180392013	**CTS-SB-01-11-12**	EPA 8260	MSV/25057		
92180392014	**CTS-SB-15-4-5**	EPA 8260	MSV/25057		
92180392015	**CTS-SB-15-7-8**	EPA 8260	MSV/25086		
92180392016	**CTS-SB-15-11-12**	EPA 8260	MSV/25057		
92180392017	**CTS-SB-14-3-4**	EPA 8260	MSV/25057		
92180392018	**CTS-SB-14-7-8**	EPA 8260	MSV/25057		
92180392019	**CTS-SB-14-10-11**	EPA 8260	MSV/25086		
92180392020	**CTS-SB-11-3-5**	EPA 8260	MSV/25057		
92180392021	**CTS-SB-11-7-8**	EPA 8260	MSV/25086		
92180392022	**CTS-SB-11-14-15**	EPA 8260	MSV/25086		
92180392023	**CTS-SB-20-3-4**	EPA 8260	MSV/25086		
92180392024	**CTS-SB-20-9-10**	EPA 8260	MSV/25086		
92180392025	**CTS-SB-20-14-15**	EPA 8260	MSV/25086		
92180392026	**CTS-SB-22-4-5**	EPA 8260	MSV/25086		
92180392027	**CTS-SB-22-9-10**	EPA 8260	MSV/25086		
92180392028	**CTS-SB-22-12-13**	EPA 8260	MSV/25086		
92180392029	**CTS-SB-07-0-1**	EPA 8260	MSV/25086		
92180392030	**CTS-SB-07-9-10**	EPA 8260	MSV/25086		
92180392031	**CTS-SB-07-13-14**	EPA 8260	MSV/25086		
92180392032	**CTSCSS-SB-208-4-5**	EPA 8260	MSV/25086		
92180392033	**CTSCSS-SB-208-12-13**	EPA 8260	MSV/25086		
92180392034	**CTSCSS-SB-208-7-9**	EPA 8260	MSV/25086		
92180392035	**CTS-SB-12-2-3**	EPA 8260	MSV/25086		
92180392036	**CTS-SB-12-9-10**	EPA 8260	MSV/25088		
92180392037	**CTS-SB-12-14-15**	EPA 8260	MSV/25088		
92180392038	**CTSCSS-SB-204-0-1**	EPA 8260	MSV/25088		
92180392039	**CTSCSS-SB-204-9-10**	EPA 8260	MSV/25088		
92180392040	**CTSCSS-SB-204-11-12**	EPA 8260	MSV/25088		
92180392041	**CTSCSS-SB-205-0-1**	EPA 8260	MSV/25088		
92180392042	**CTSCSS-SB-205-6-7**	EPA 8260	MSV/25095		
92180392043	**CTSCSS-SB-205-14-15**	EPA 8260	MSV/25095		
92180392003	**CTS-SB-503**	ASTM D2974-87	PMST/6037		
92180392004	**CTS-SB-504**	ASTM D2974-87	PMST/6037		
92180392005	**CTS-SB-13-2-3**	ASTM D2974-87	PMST/6037		
92180392006	**CTS-SB-13-5-6**	ASTM D2974-87	PMST/6037		
92180392007	**CTS-SB-13-10-11**	ASTM D2974-87	PMST/6037		
92180392008	**CTS-SB-16-4-5**	ASTM D2974-87	PMST/6037		
92180392009	**CTS-SB-16-7-8**	ASTM D2974-87	PMST/6037		
92180392010	**CTS-SB-16-10-11**	ASTM D2974-87	PMST/6037		
92180392011	**CTS-SB-01-4-5**	ASTM D2974-87	PMST/6038		
92180392012	**CTS-SB-01-7-8**	ASTM D2974-87	PMST/6038		
92180392013	**CTS-SB-01-11-12**	ASTM D2974-87	PMST/6038		
92180392014	**CTS-SB-15-4-5**	ASTM D2974-87	PMST/6038		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CTS of Asheville 6690039450
Pace Project No.: 92180392

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92180392015	**CTS-SB-15-7-8**	ASTM D2974-87	PMST/6038		
92180392016	**CTS-SB-15-11-12**	ASTM D2974-87	PMST/6038		
92180392017	**CTS-SB-14-3-4**	ASTM D2974-87	PMST/6038		
92180392018	**CTS-SB-14-7-8**	ASTM D2974-87	PMST/6038		
92180392019	**CTS-SB-14-10-11**	ASTM D2974-87	PMST/6038		
92180392020	**CTS-SB-11-3-5**	ASTM D2974-87	PMST/6038		
92180392021	**CTS-SB-11-7-8**	ASTM D2974-87	PMST/6038		
92180392022	**CTS-SB-11-14-15**	ASTM D2974-87	PMST/6038		
92180392023	**CTS-SB-20-3-4**	ASTM D2974-87	PMST/6038		
92180392024	**CTS-SB-20-9-10**	ASTM D2974-87	PMST/6038		
92180392025	**CTS-SB-20-14-15**	ASTM D2974-87	PMST/6038		
92180392026	**CTS-SB-22-4-5**	ASTM D2974-87	PMST/6038		
92180392027	**CTS-SB-22-9-10**	ASTM D2974-87	PMST/6038		
92180392028	**CTS-SB-22-12-13**	ASTM D2974-87	PMST/6038		
92180392029	**CTS-SB-07-0-1**	ASTM D2974-87	PMST/6038		
92180392030	**CTS-SB-07-9-10**	ASTM D2974-87	PMST/6038		
92180392031	**CTS-SB-07-13-14**	ASTM D2974-87	PMST/6039		
92180392032	**CTSCSS-SB-208-4-5**	ASTM D2974-87	PMST/6039		
92180392033	**CTSCSS-SB-208-12-13**	ASTM D2974-87	PMST/6039		
92180392034	**CTSCSS-SB-208-7-9**	ASTM D2974-87	PMST/6039		
92180392035	**CTS-SB-12-2-3**	ASTM D2974-87	PMST/6039		
92180392036	**CTS-SB-12-9-10**	ASTM D2974-87	PMST/6039		
92180392037	**CTS-SB-12-14-15**	ASTM D2974-87	PMST/6039		
92180392038	**CTSCSS-SB-204-0-1**	ASTM D2974-87	PMST/6039		
92180392039	**CTSCSS-SB-204-9-10**	ASTM D2974-87	PMST/6039		
92180392040	**CTSCSS-SB-204-11-12**	ASTM D2974-87	PMST/6039		
92180392041	**CTSCSS-SB-205-0-1**	ASTM D2974-87	PMST/6039		
92180392042	**CTSCSS-SB-205-6-7**	ASTM D2974-87	PMST/6039		
92180392043	**CTSCSS-SB-205-14-15**	ASTM D2974-87	PMST/6039		

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Pace Analytical www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 4, 2013 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.11	Issuing Authorities: Pace Asheville Quality Office

Client Name: AMEC

Where Received: ☐ Huntersville ☑ Asheville ☐ Eden ☐ Raleigh

Courier (Circle): 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_____

Circle Thermometer Used: IR Gun#3 -130265963 IR Gun #2- 80344039 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / (Subtract) 0.1 C

Corrected Cooler Temp.: 3.6/4.2/4.8/4.1 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C **Comments:**

Date and Initials of person examining contents: 11/21/13 AP

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		
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):_____				

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: JY **Date:** 11/21/13

SRF Review: AW **Date:** 11/21/13

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)

WO#: 92180392

92180392

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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 4

1748140

Section A Required Client Information:

Company:	AMEC
Address:	1308 Patton Ave, Asheville NC 28806
Email To:	susan.kelly@amec.com
Phone:	8282528130
Fax:	—
Requested Due Date/TAT:	Std

Section B Required Project Information:

Report To:	Susan Kelly
Copy To:	
Purchase Order No.:	C012203421
Project Name:	CTS of Asheville
Project Number:	6690039450

Section C Invoice Information:

Attention:	Lacy Gonzalez
Company Name:	AMEC
Address:	1308 Patton Ave, Asheville
Pace Quote Reference:	
Pace Project Manager:	Kevin Godwin
Pace Profile #:	

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

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	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	TCL8260	TCL8270/SIMPAH	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92180392
1	CTS-STB-04	WT	G	N/A	N/A	11/19/13	lab prep		2						X				X			001
2	CTS-STB-05	WT	G			11/20/13	lab prep		2						X				X			002
3	CTS-SB-503	SL	G			11/19/13	1615		5	X					X	X			X	X		003
4	CTS-SB-504	SL	G			11/20/13	1445		5	X					X	X			X	X		004
5	CTS-SB-13-2-3	SL	G			11/19/13	0930		5	X					X	X			X	X		005
6	CTS-SB-13-5-6	SL	G			11/19/13	0945		5	X					X	X			X	X		006
7	CTS-SB-13-10-11	SL	G			11/19/13	0955		5	X					X	X			X	X		007
8	CTS-SB-16-4-5	SL	G			11/19/13	1015		5	X					X	X			X	X		008
9	CTS-SB-16-7-8	SL	G			11/19/13	1030		5	X					X	X			X	X		009
10	CTS-SB-16-10-11	SL	G			11/19/13	1040		5	X					X	X			X	X		010
11	CTS-SB-01-4-5	SL	G			11/19/13	1135		5	X					X	X			X	X		011
12	CTS-SB-01-7-8	SL	G	N/A	N/A	11/19/13	1150		5	X					X	X			X	X		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
- Level IV Package	[signature] AMEC	11/21/13	750	[signature]	11/21/13	0750
- plus TICs						

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
3.6	y	y	y
4.2	y	y	y
4.8	y	y	y
4.1	y	y	y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Susan Kelly

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 11/20/13

*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.

F-ALL-Q-020rev.07, 15-May-2007

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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: 2 of 4

1748139

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AMEC	Report To: Susan Kelly	Attention: Lacy Gonzalez
Address: 1308 Patton Ave Asheville NC 28806	Copy To:	Company Name: AMEC
		Address: 1308 Patton Ave Asheville
Email To: susan.kelly@amec.com	Purchase Order No.: C012203421	Pace Quote Reference:
Phone: 828 252 8130 Fax: –	Project Name: CTS of Asheville	Pace Project Manager: Kevin Godwin
Requested Due Date/TAT: Std.	Project Number: 16690039450	Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

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	Analysis Test (Y/N)	TCL B260	TCL B270/SIMPAH	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92180392
1	CTS-SB-01-11-12	SL	G	N/A	N/A	11/19/13	1200		5	X					X	X			X	X		013
2	CTS-SB-15-4-5	SL	G			11/19/13	1325		5	X					X	X			X	X		014
3	CTS-SB-15-7-8	SL	G			11/19/13	1340		5	X					X	X			X	X		015
4	CTS-SB-15-11-12	SL	G			11/19/13	1350		5	X					X	X			X	X		016
5	CTS-SB-14-3-4	SL	G			11/19/13	1405		5	X					X	X			X	X		017
6	CTS-SB-14-7-8	SL	G			11/19/13	1420		5	X					X	X			X	X		018
7	CTS-SB-14-10-11	SL	G			11/19/13	1435		5	X					X	X			X	X		019
8	CTS-SB-11-3-5	SL	G			11/19/13	1540		15	X					X	X			X	X		MS/MSD 020
9	CTS-SB-11-7-8	SL	G			11/19/13	1600		5	X					X	X			X	X		021
10	CTS-SB-11-14-15	SL	G			11/19/13	1615		5	X					X	X			X	X		022
11	CTS-SB-20-3-4	SL	G			11/20/13	0800		5	X					X	X			X	X		023
12	CTS-SB-20-9-10	SL	G	N/A	N/A	11/20/13	0820		5	X					X	X			X	X		024

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
- Level IV Package	Mark Kelly / AMEC	11/21/13	750	Lori Patton	11/21/13	0750
- plus TICs						

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
3.6	y	y	y
4.2	y	y	y
4.8	y	y	y
4.1	y	y	y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Susan Kelly

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 11/20/13

ORIGINAL

*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.

F-ALL-Q-020rev.07 15-May-2007

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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: 3 of 4

1748136

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AMEC	Report To: Susan Kelly	Attention: Lacy Gonzales
Address: 1308 Patton Ave Asheville NC 28806	Copy To:	Company Name: AMEC
		Address: 1308 Patton Ave Asheville
Email To: Susan.kelly@amec.com	Purchase Order No.: 6012203421	Pace Quote Reference:
Phone: 828 252 8130 Fax:	Project Name: CTS of Asheville	Pace Project Manager: Kevin.Godwin
Requested Due Date/TAT: Std	Project Number: 6690039450	Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☒ OTHER EPA

Site Location STATE: NC

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	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 8260	TCL 8270/SIM PAH	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
	Matrix Codes: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT																	Y/N	2	2		
1	CTS-SB-20-9-15	SL	G	N/A	N/A	11/20/13	0835		5	X					X	X			X	X		025
2	CTS-SB-22-9-5	SL	G			11/20/13	0850		5	X					X	X			X	X		026
3	CTS-SB-22-9-10	SL	G			11/20/13	0905		5	X					X	X			X	X		027
4	CTS-SB-22-12-13	SL	G			11/20/13	0915		5	X					X	X			X	X		028
5	CTS-SB-07-0-1	SL	G			11/20/13	1020		5	X					X	X			X	X		029
6	CTS-SB-07-9-10	SL	G			11/20/13	1035		5	X					X	X			X	X		030
7	CTS-SB-07-13-14	SL	G			11/20/13	1050		5	X					X	X			X	X		031
8	CTSCSS-SB-208-4-5	SL	G			11/20/13	1100		5	X					X	X			X	X		032
9	CTSCSS-SB-208-7-9	SL	G			11/20/13	1115		5	X					X	X			X	X		MS/MSD 034
10	CTSCSS-SB-208-12-13	SL	G			11/20/13	1130		5	X					X	X			X	X		033
11	CTS-SB-12-2-3	SL	G			11/20/13	1425		5	X					X	X			X	X		035
12	CTS-SB-12-9-10	SL	G	N/A	N/A	11/20/13	1435		5	X					X	X			X	X		036

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
-Send IN Package.	Amanda/AMEC	11/21/13	750	Toni Patton	11/21/13	0750	3.6	Y	Y	Y
-Plug TICs							4.2	Y	Y	Y
							4.8	Y	Y	Y
							4.1	Y	Y	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Susan Kelly

SIGNATURE of SAMPLER: Amanda DATE Signed (MM/DD/YY): 11/20/13

*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.

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

Page: 4 of 4

1748137

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: AMEC	Report To: Susan Kelly	Attention: Lacy Gonzalez
Address: 1308 Patton Ave Asheville NC 28806	Copy To:	Company Name: AMEC
		Address: 1308 Patton Ave Asheville
Email To: Susan.kelly@amec.com	Purchase Order No.: C012203421	Pace Quote Reference:
Phone: 828 2528130 Fax:	Project Name: CTS of Asheville	Pace Project Manager: Kevin Godwin
Requested Due Date/TAT: Std	Project Number: 6690039450	Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

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	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	TCL 8260 (Y/N)	TCL 8270 (SIMPAH) (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92180392
1	CTS-SB-12-14-15	SL	G	N/A	N/A	11/20/13	1445		5	X					X	X			X	X		037
2	CTSCSS-SB-204-0-1	SL	G	↓	↓	11/20/13	1525		5	X					X	X			X	X		038
3	CTSCSS-SB-204-9-10	SL	G			11/20/13	1540		5	X					X	X			X	X		039
4	CTSCSS-SB-204-11-12	SL	G			11/20/13	1550		5	X					X	X			X	X		040
5	CTSCSS-SB-205-0-1	SL	G			11/20/13	1605		5	X					X	X			X	X		041
6	CTSCSS-SB-205-6-7	SL	G			11/20/13	1620		5	X					X	X			X	X		042
7	CTSCSS-SB-205-14-15	SL	G	N/A	N/A	11/20/13	1630		5	X					X	X			X	X		043
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
-Level IV Package	Amanda Kelly / AMEC	11/21/74	750	Lori Patton	11/21/13	0750	3.6	y	y	y
-plus TICs							4.2	y	y	y
							4.8	y	y	y
							4.1	y	y	y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Susan Kelly

SIGNATURE of SAMPLER: Amanda

DATE Signed (MM/DD/YY): 11/20/13

ORIGINAL

*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.

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APPENDIX F

DATA VALIDATION REPORT

DATA VALIDATION REPORT
Soil Vapor Extraction Confirmation Sampling and Analysis Plan Report
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina

1.0 INTRODUCTION

Soil samples were collected at the Mills Gap Road Groundwater Contamination Site in Asheville, North Carolina in November 2013 and submitted for off-site laboratory analysis by Pace Analytical Services, Inc., located in Huntersville, North Carolina. Results were reported in the following Sample Delivery Groups (SDGs): 92179407, 92180022, and 92180392.

Samples were analyzed by the following methods:

- Volatile organic compounds (VOCs) by USEPA Method 8260B
- Semivolatile organic compounds (SVOCs) by USEPA Method 8270D
- Polycyclic Aromatic Hydrocarbons (PAHs) by USEPA Method 8270D SIM
- Percent Moisture by ASTM D2974-87

Data validation was completed based on procedures in the USEPA Region 4 Data Validation Standard Operating Procedures (SOP) for Organic Analysis (USEPA, 2008), Method 8260B, Method 8270D, and the CTS of Asheville, Inc. Superfund Site Quality Assurance Project Plan (QAPP) [AMEC, 2012].

A summary of samples by SDG included in this data validation report is presented in Table F.1. The project quality control (QC) limits listed in the QAPP were used to evaluate precision and accuracy during validation. Project QC limits are summarized in Table F.2. Final validated sample results are presented in Tables F.3a through F.3c. Validation actions are discussed in Sections 2.0 through 5.0 of this document. Documentation of data validation actions is presented in Table F.4 for results that were qualified during validation with reason codes associated with qualification actions. An index of the reason codes is presented on the last page of Table F.4.

Tentatively identified compounds (TICs) were reported by the laboratory for VOC and SVOC analyses. TICs reported in SVOC and VOCs samples were evaluated during validation and were removed from the data set if reported in associated method blanks or if they are identified as common lab contaminants in validation guidelines. The TIC results are summarized in Table F.5.

2.0 VOLATILE ORGANIC COMPOUNDS

Samples were analyzed for VOCs by Method 8260B. Data were evaluated based on the following parameters:

* Data completeness and chain of custody
* Holding time and preservation

Blanks
* Instrument tunes
* Initial calibration standards
Continuing calibration standards
* Laboratory control sample (LCS)
Matrix spikes/matrix spike duplicate (MS/MSD) samples
Field duplicates
Surrogate recovery
Internal standards
* Sample result verification/electronic data deliverable
* TICs
* Raw data verification and calculation checks
Detection limits
Calibration range

(* = indicates that criteria were met for this parameter)

Except for the validation actions noted below, sample results are interpreted to be usable as reported by the laboratory.

2.1 Blanks

SDG 92179407
Acetone was reported in the trip blank samples CTS-STB-01 (12.2 J µg/kg) and CTS-STB-02 (256 µg/kg). Similar concentrations were reported in many field samples. EPA Region IV guidelines specify validation actions are not performed in reference to field blanks. It is noted that the trip blank acetone concentrations indicated that acetone detections in field samples may be false positive results due to field contamination.

2.2 Continuing Calibration Standards

The percent differences between the relative response factor (RRF) in the continuing calibration verification (CCV) standard and the average RRF in the initial calibration were calculated and reported by the laboratory. If regression (i.e., linear) was used in the initial calibration, the percent difference was calculated between the known standard concentration and the amount recovered in the continuing calibration.

SDG 92179407
Percent differences between initial calibration average RRFs and continuing calibration RRFs were outside the control limit of 20 for bromomethane (27), trichlorofluoromethane (26), and tetrachloroethene (23) in the continuing calibration standard analyzed on November 27, 2013. Associated sample results and reporting limits for bromomethane, trichlorofluoromethane, and tetrachloroethene were qualified as estimated (J/UJ).

Percent differences between initial calibration average RRFs and continuing calibration RRFs were outside the control limit of 20 for chloroethane (22) and chloromethane (22) in the continuing calibration standard analyzed on December 1, 2013. Associated sample reporting limits for chloroethane and chloromethane were qualified as estimated (UJ).

Qualified samples are summarized in Table F.4 with reason code CCV%D.

2.3 MS/MSD

SDG 92179407
Sample CTS-SB-25-9-10 was submitted for MS/MSD analysis. The MS and MSD percent recoveries of styrene (47 and 58) and the MSD percent recovery of acetone (314) were outside of the QC limits of 70 to 130. The MS/MSD relative percent difference (RPD) for acetone (124) also exceeded the QC limit of 30. The CTS-SB-25-9-10 reported detection for acetone was qualified as estimated (J). The sample CTS-SB-25-9-10 reporting limit for styrene was qualified as estimated (UJ).

SDG 92180022
Sample CTS-SB-206-8-10 was submitted for MS/MSD analysis. The MS and MSD percent recoveries of styrene (68 and 57) and trans-1,3-dichloropropene (133 and 122) were outside of the QC limits of 70 to 130. The CTS-SB-206-8-10 reported detection for styrene was qualified as estimated (J). Compound trans-1,3-dichloropropene was not detected in sample CTS-SB-206-8-10, so no qualification action was required due to the high surrogate recovery.

SDG 92180392
Sample SB-208-7-9 was submitted for MS/MSD analysis. The MS percent recovery of acetone (68) was less than the lower QC limit of 70. The result for acetone in sample SB-208-7-9 was qualified as estimated (J).

Qualified samples are summarized in Table F.4 with reason codes MS-H, MS-L, and MS-RPD.

2.4 Field Duplicates

SDG 92179407
The RPD for acetone (98), cis-1,2-dichloroethene (65), and trichloroethene (62) for the field duplicate sample pair SB-18-10-12 and SB-501 exceeded the QC limit of 30. Detections of acetone, cis-1,2-dichloroethene, and trichloroethene in SB-18-10-12 and SB-501 were qualified as estimated (J).

SDG 92180022
The RPD for acetone (42) and trichloroethene (99) for the field duplicate sample pair SB-04-11-12 and SB-502 exceeded the QC limit of 30. Detections of acetone and trichloroethene reported in SB-04-11-12 and SB-502 were qualified as estimated (J).

SDG 92180392
The RPD for acetone (57) for the field duplicate sample pair SB-11-14-15 and SB-503 exceeded the QC limit of 30. Detections of acetone reported in SB-11-14-15 and SB-503 were qualified as estimated (J).

The RPD for acetic acid/methyl ester (190) for the field duplicate sample pair SB-12-14-15 and SB-504 exceeded the QC limit of 30. SB-12-14-15 and SB-504 reported detection and reporting limit of acetic acid, methyl ester were qualified as estimated (J/UJ).

Qualified samples are summarized in Table F.4 with reason code FD.

2.5 Surrogate Recovery

SDG 92179407

For sample CTS-SB-19-14-15, the surrogate percent recovery of 1,2-dichloroethane–d4 (181) and 4-bromofluorobenzene (62) were outside of the QC limits of 70 to 130. Reported detections and reporting limits of associated target analytes in sample CTS-SB-19-14-15 were qualified as estimated (J/UJ).

SDG 92180022

The surrogate percent recoveries of 1,2-dichloroethane–d4 in samples CTS-SB-24-14-15 (171) and CTS-SB-206-14-15 (138), and 4-bromofluorobenzene in sample CTS-SB-24-14-15 (68) were outside of the QC limits of 70 to 130. Reported detections and reporting limits of associated target analytes in sample CTS-SB-24-14-15 were qualified as estimated (J/UJ). Associated analyte results for sample CTS-SB-206-14-15 were non-detect, so no qualification action was required due to the high surrogate recovery.

Qualified samples are summarized in Table F.4 with reason codes SS-H and SS-L.

2.6 Internal Standards

Multiple samples have internal standard area counts less than the control limit of 50 percent. Associated analyte results that were quantified using the low internal standards presented below are qualified estimated (J/UJ). Samples and internal standard percent area counts are presented in the table below:

SDG 92179407

Sample ID	Chlorobenzene-d5 Area Count (%)	1,4-Dichlorobenzene-d4 Area Count (%)	1,4-Difluorobenzene Area Count (%)	Pentafluorobenzene Area Count (%)
SB-17-0-1	---	45	---	---
SB-17-9-10	38	28	39	37
SB-19-14-15	18	---	26	21
SB-25-13-14	---	42	---	---
"---" = area count is within the control limit.				

SDG 92180022

Sample ID	Chlorobenzene-d5 Area Count (%)	1,4-Dichlorobenzene-d4 Area Count (%)	1,4-Difluorobenzene Area Count (%)	Pentafluorobenzene Area Count (%)
SB-24-14-15	39	47	---	41
"---" = area count is within the control limit.				

SDG 92180392

The 1,4-dichlorobenzene-d4 internal standard area count percent for sample SB-20-3-4 (34) and pentafluorobenzene internal standard area count percent for sample SB-15-4-5 were less than the control limit of 50. Associated analyte reporting limits that were quantitated using the internal standards were qualified as estimated (UJ).

Qualified samples are summarized in Table F.4 with reason code IS-L.

2.7 Detection Limits

SDG 92179407
Sample SB-207-13-14 was analyzed at a 25-fold dilution. Reporting limits were elevated accordingly.

SDG 92180022
Sample SB-206-14-15 was analyzed at a 25-fold dilution. Reporting limits were elevated accordingly.

SDG 92180392
Samples SB-12-14-15, SB 15-4-5, and SB-20-14-15 were analyzed at a 25-fold dilution. Sample SB-205-14-15 was analyzed at a 100-fold dilution. Reporting limits were elevated accordingly.

2.8 Calibration Range

SDG 92179407
The 1,1,1-trichloroethane result for sample SB-19-14-15 exceeded the calibration range in the method and was reported by the laboratory with an "E" qualifier. During validation, the "E" qualifier was removed and the 1,1,1-trichloroethane result for sample SB-19-14-15 was qualified as estimated (J).

The acetone result for sample SB-25-13-14 exceeded the calibration range in the method and was reported by the laboratory with an "E" qualifier. During validation, the "E" qualifier was removed and the acetone result for sample SB-25-14-13 was qualified as estimated (J).

SDG 92180392
The acetone result for sample SB-15-7-8 exceeded the calibration range in the method and was reported by the laboratory with an "E" qualifier. During validation, the "E" qualifier was removed and the acetone result for sample SB-15-7-8 was qualified as estimated (J).

Qualified samples are summarized in Table F.4 with reason code E.

3.0 SEMIVOLATILE ORGANIC COMPOUNDS

Samples were analyzed for SVOCs by Method SW-846 8270D. Data were reviewed for the following parameters:

* Data completeness
* Holding time and preservation
* Blanks
* Instrument tunes
  Initial calibration standards
  Continuing calibration standards
  LCS
  MS/MSD
* Field Duplicates
  Surrogate Recovery

Internal Standards
* Sample result verification/electronic data deliverable
* TICs
* Raw data verification and calculation checks
Detection Limits

(* = indicates that criteria were met for this parameter)

Except for the validation actions noted below, the results are interpreted to be usable as reported by the laboratory.

3.1 Initial Calibration Standards

SDG 92179407
The percent relative standard deviation (RSD) for 2,4-dintirophenol (41) exceeded the QC limit of 20. Sample reporting limits for 2,4-dintirophenol were qualified estimated (UJ). Qualified samples are summarized in Table F.4 with reason code ICVRSD.

3.2 Continuing Calibration Standards

SDG 92179407
Percent differences between initial calibration average RRFs and continuing calibration RRFs were outside the control limit of 20 for 2-nitrophenol (24) and 2,4-dinitrophenol (32) in the continuing calibration standard analyzed on November 18, 2013. Associated sample reporting limits for 2-nitrophenol and 2,4-dinitrophenol were qualified as estimated (UJ).

Percent differences between initial calibration average RRFs and continuing calibration RRFs were outside the control limit of 20 for 2-nitrophenol (24), hexachlorocyclopentadiene (22), and 2,4-dinitrophenol (47) in the continuing calibration standard analyzed on November 19, 2013. Associated sample reporting limits for 2-nitrophenol, hexachlorocyclopentadiene, and 2,4-dinitrophenol were qualified as estimated (UJ).

Percent differences between initial calibration average RRFs and continuing calibration RRFs were outside the control limit of 20 for 2-nitrophenol (24), hexachlorocyclopentadiene (23), 2,4-dinitrophenol (50), and 2,3,4,6-tetrachlorophenol (26) in the continuing calibration standard analyzed on November 19, 2013. Sample SB-207-13-14 reporting limits for 2-nitrophenol, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 2,3,4,6-tetrachlorophenol were qualified as estimated (UJ).

SDG 92180022
Percent differences between initial calibration average RRFs and continuing calibration RRFs were outside the control limit of 20 for 2-nitrophenol (22) and 2,3,4,6-tetrachlorophenol (22) in the continuing calibration standard analyzed on November 22, 2013. Associated sample reporting limits for 2-nitrophenol and 2,3,4,6-tetrachlorophenol were qualified as estimated (UJ).

Percent differences between initial calibration average RRFs and continuing calibration RRFs were outside the control limit of 20 for 2-nitrophenol (22), 2,4-dinitrophenol (40), 4-

nitroaniline (27) and 2,3,4,6-tetrachlorophenol (35) in the continuing calibration standard analyzed on November 23, 2013. Associated sample reporting limits for 2-nitrophenol and 2,3,4,6-tetrachlorophenol were qualified as estimated (UJ).

Qualified samples are summarized in Table F.4 with reason code CCV%D.

3.3 LCS

A subset of SVOCs had LCS recoveries below the project limits for base-neutral (70-130 percent) and acid fraction (40-160) analytes. In most cases, base-neutral compound recoveries were greater than 50 percent and compounds from both fractions were within the laboratory control limits. The majority of these compounds were not detected and reporting limits in associated samples were qualified as estimated values. Reporting limits for qualified compounds are biased low. Low recoveries were reported for benzaldehyde and results were qualified rejected (R).

Qualified samples are summarized in Table F.4 with reason codes LCS-L and LCS-RPD. Detailed discussions for each SDG are presented in the following sections.

SDG 92179407
The LCS percent recoveries of base-neutral analytes 3,3'-dichlorobenzidine (33), 4-chloroaniline (61), acetophenone (63), benzaldehyde (0), biphenyl (64), caprolactam (65), hexachloro-1,3-butadiene (56), isophorone (62), n-nitroso-di-n-propylamine (59), n-nitrosodiphenylamine (66), and nitrobenzene (60) were less than the lower QC limit of 70. The LCS percent recoveries of acid fraction analytes 2,3,4,6-tetrachlorophenol (196) and pentachlorophenol (34) were outside of the QC limits of 40 to 160. Sample reporting limits for 3,3'-dichlorobenzidine, 4-chloroaniline, acetophenone, biphenyl, caprolactam, hexachloro-1,3-butadiene, isophorone, n-nitroso-di-n-propylamine, n-nitrosodiphenylamine, pentachlorophenol, and nitrobenzene were qualified as estimated (UJ). 2,3,4,6-Tetrachlorophenol was not detected, so no qualification action was required due to the high recovery. Sample reporting limits for benzaldehyde were rejected (UR) due to the low recovery.

SDG 92180022
The LCS percent recoveries of base-neutral analytes 3,3'-dichlorobenzidine (40), acetophenone (65), and benzaldehyde (0) were less than the lower QC limit of 70. The LCS percent recovery of acid fraction analyte 2,3,4,6-tetrachlorophenol (240) exceeded the upper QC limit of 160. Sample reporting limits for 3,3'-dichlorobenzidine and acetophenone were qualified as estimated (UJ). 2,3,4,6-Tetrachlorophenol was not detected, so no qualification action was required due to the high recovery. Sample reporting limits for benzaldehyde were rejected (UR).

SDG 92180392
For the LCS prepared on November 22, 2013 at 10:50, the percent recoveries of base-neutral analytes 3,3'-dichlorobenzidine (32), 4-chloroaniline (62), acetophenone (67), benzaldehyde (0), biphenyl (62), dibenzofuran (65), hexachloro-1,3-butadiene (50), hexachlorobenzene (67), isophorone (61), n-nitroso-di-n-propylamine (67), n-nitrosodiphenylamine (65), and nitrobenzene (61) were less than the lower QC limit of 70. The LCS percent recovery of acid fraction analytes 2,3,4,6-tetrachlorophenol (171) and pentachlorophenol (32) were outside of the QC limits of 40 to 160. Sample results for

2,3,4,6-tetrachlorophenol were not detected, so no qualification action was required due to the high recovery. Sample reporting limits for 3,3'-dichlorobenzidine, 4-chloroaniline, acetophenone, biphenyl, dibenzofuran, hexachloro-1,3-butadiene, hexachlorobenzene, isophorone, n-nitroso-di-n-propylamine, n-nitrosodiphenylamine, nitrobenzene, and phenol were qualified as estimated (UJ). Sample reporting limits for benzaldehyde were rejected (UR).

For the LCS prepared on November 22, 2013 at 13:15, the percent recoveries of base-neutral analytes 2-chloronapthalene (58), 3,3'-dichlorobenzidine (28), 4-chloroaniline (52), acetophenone (52), benzaldehyde (0), biphenyl (51), bis(2-chloroethoxy)methane (68), bis(2-chloroethyl) ether (64), bis(2-ethylhexyl)phthalate (67), butylbenzylphthalate (66), di-n-butylphthalate (65), di-n-octylphthalate (69), dibenzofuran (54), diethylphthalate (61), dimethylphthalate (60), hexachloro-1,3-butadiene (44), hexachlorobenzene (58), hexachloroethane (59), isophorone (51), n-nitroso-di-n-propylamine (52), n-nitrosodiphenylamine (56), and nitrobenzene (50) were less than the lower QC limit of 70. The LCS percent recovery of acid fraction analyte pentachlorophenol (28) was less than the lower QC limit of 40. Sample reporting limits for 2-chloronapthalene, 3,3'-dichlorobenzidine, 4-chloroaniline, acetophenone, biphenyl, bis(2-chloroethoxy)methane, bis(2-chloroethyl) ether, bis(2-ethylhexyl)phthalate, butylbenzylphthalate, di-n-butylphthalate, di-n-octylphthalate, dibenzofuran, diethylphthalate, dimethylphthalate, hexachloro-1,3-butadiene, hexachlorobenzene, hexachloroethane, isophorone, n-nitroso-di-n-propylamine, n-nitrosodiphenylamine, nitrobenzene, and phenol were qualified as estimated (UJ). Sample reporting limits for benzaldehyde were rejected (UR).

For the LCS/LCSD prepared on November 22, 2013 at 14:37, the LCS and/or LCSD percent recoveries of base-neutral analytes 3,3'-dichlorobenzidine (30 and 32), 4-chloroaniline (60 and 61), acetophenone (62 and 66), benzaldehyde (0 and 0), biphenyl (62 and 65), dibenzofuran (63 and 65), diethylphthalate (69), dimethylphthalate (69), hexachloro-1,3-butadiene (47 and 50), hexachlorobenzene (65 and 66), hexachloroethane (64), isophorone (59 and 62), n-nitroso-di-n-propylamine (61 and 64), n-nitrosodiphenylamine (63 and 63), and nitrobenzene (57 and 59) were less than the lower QC limit of 70. The percent recoveries of acid fraction analytes 2,3,4,6-tetrachlorophenol (169 and 166) and pentachlorophenol (31 and 32) were outside of the QC limits of 40 to 160. The sample result for 2,3,4,6-tetrachlorophenol was not detected, so no qualification action was required due to the high recovery. The sample reporting limits for 3,3'-dichlorobenzidine, 4-chloroaniline, acetophenone, biphenyl, dibenzofuran, diethylphthalate, dimethylphthalate, hexachloro-1,3-butadiene, hexachlorobenzene, hexachloroethane, isophorone, n-nitroso-di-n-propylamine, n-nitrosodiphenylamine, nitrobenzene, and phenol were qualified as estimated (UJ). The sample reporting limit for benzaldehyde was rejected (UR).

For the LCS/LCSD prepared on November 27, 2013 at 10:35, the LCS and/or LCSD percent recoveries of base-neutral analytes 1,2,4,5-tetrachlorobenzene (57), 2-chloronaphthalene (50), 3,3'-dichlorobenzidine (32 and 30), 4-chloroaniline (61 and 45), acetophenone (63 and 43), benzaldehyde (0 and 0), biphenyl (64 and 45), bis(2-chloroethoxy)methane (55), bis(2-chloroethyl) ether (50), bis(2-ethylhexyl)phthalate (69), di-n-butylphthalate (69), di-n-octylphthalate (66), dibenzofuran (68 and 53), diethylphthalate (65), dimethylphthalate (64), hexachloro-1,3-butadiene (54 and 37), hexachlorobenzene (67 and 60), hexachlorocyclopentadiene (59), hexachloroethane (47), isophorone (64 and 45), n-nitroso-di-n-propylamine (63 and 43), n-nitrosodiphenylamine

(67 and 58), and nitrobenzene (62 and 45) were less than the lower QC limit of 70. The percent recoveries of acid fraction analytes 2,3,4,6-tetrachlorophenol (172), pentachlorophenol (33 and 29), and phenol, (48) were outside of the QC limits of 40 to 160. The LCS/LCSD RPD for 1,2,4,5-tetrachlorobenzene (39), 2,3,4,6-tetrachlorophenol (42), 2,4-dichlorophenol (37), 2,4-dimethylphenol (39), 2-chloronaphthalene (34), 2-chlorophenol (41), 2-methylphenol (44), 2-nitrophenol (36), 3&4-methylphenol (41), acetophenone (38), biphenyl (35), bis(2-chloroethoxy)methane (39), bis(2-chloroethyl) ether (41), hexachloro-1,3-butadiene (37), hexachlorocyclopentadiene (43), hexachloroethane (41), isophorone (36), n-nitroso-di-n-propylamine (39), nitrobenzene (33), and phenol (43) exceeded the QC limit of 30. The sample result for 2,3,4,6-tetrachlorophenol was not detected, so no qualification action was required due to the high recovery. The sample reporting limits for 1,2,4,5-tetrachlorobenzene, 2,3,4,6-tetrachlorophenol, 2,4-dichlorophenol, 2,4-dimethylphenol, 2-chloronaphthalene, 3,3'-dichlorobenzidine, 4-chloroaniline, 2-chlorophenol, 2-methylphenol, 2-nitrophenol, 3&4-methylphenol, acetophenone, biphenyl, bis(2-chloroethoxy)methane, bis(2-chloroethyl) ether, bis(2-ethylhexyl)phthalate, di-n-butylphthalate, di-n-octylphthalate, dibenzofuran, diethylphthalate, dimethylphthalate, hexachloro-1,3-butadiene, hexachlorobenzene, hexachlorocyclopentadiene, hexachloroethane, isophorone, n-nitroso-di-n-propylamine, n-nitrosodiphenylamine, nitrobenzene, pentachlorophenol, and phenol were qualified as estimated (UJ). The sample reporting limit for benzaldehyde was rejected (UR).

3.4 MS/MSD

Four samples were analyzed as MS/MSDs. Percent recoveries in the MS and/or MSD were below project limits for base-neutral (70-130 percent) and acid fraction (40-160 percent) analytes for the majority of analytes. In most cases, base-neutral analyte recoveries were greater than 50 percent and compounds from both fractions were within the laboratory control limits. The majority of these compounds were not detected and reporting limits in associated samples were qualified as estimated values. Reporting limits for qualified compounds are biased low. Low recoveries were reported for benzaldehyde and results were qualified as rejected (R).

Qualified samples are summarized in Table F.4 with reason codes MS-L. Detailed discussions for each SDG are presented in the following sections.

SDG 92179407
Sample SB-21-9-10 was submitted for MS/MSD analysis. Percent recoveries in the MS and/or MSD were below project limits for base-neutral (70-130 percent) and acid fraction (40-160) analytes for the majority of analytes. The percent recoveries for benzaldehyde were zero. The MSD percent recovery for 2,3,4,6-tetrachlorophenol (161) exceeded the upper QC limit of 160. Based on professional judgment, reporting limits in sample SB-21-9-10 were qualified estimated (UJ). The result for 2,3,4,6-tetrachlorophenol in sample SB-21-9-10 was non-detect, so no qualification action was required due to the high recovery. The result for benzaldehyde was rejected (R).

SDG 92180022
Sample SB-206-8-10 was submitted for MS/MSD analysis. Percent recoveries in the MS and/or MSD were below control limits for the majority of base-neutral analytes. The MS and MSD percent recoveries for benzaldehyde (9 and 6) were less than the validation guideline acceptance limit of 10. The MSD percent recovery for 2,3,4,6-tetrachlorophenol

(184) exceeded the upper QC limit of 160. The MS and MSD percent recoveries of 2,4-dichlorophenol (23 and 23) and pentachlorophenol (28 and 32) were less than the lower QC limit of 40. Based on professional judgment, base-neutral analyte reporting limits in sample SB-206-8-10 were qualified estimated (UJ). The reporting limit for 2,4-dichlorophenol and pentachlorophenol in sample SB-206-8-10 was qualified asestimated (UJ). The result for 2,3,4,6-tetrachlorophenol in sample SB-206-8-10 was not detected, so no qualification action was required due to the high recovery. The result for benzaldehyde was rejected (R).

SDG 92180392
Sample SB-11-3-5 was submitted for MS/MSD analysis. Percent recoveries in the MS and/or MSD were below control limits for the majority of base-neutral analytes. The MS and MSD percent recoveries for benzaldehyde (0 and 2) were less than the validation guideline limit of 10. The MS and MSD percent recoveries for 2,4-dimethylphenol (27 and 27) and pentachlorophenol (25 and 25) were less than the lower QC limit of 40. Based on professional judgment, base/neutral fraction reporting limits in sample SB-11-3-5 were qualified estimated (UJ). The reporting limit for 2,4-dichlorophenol and pentachlorophenol in sample SB-11-3-5 was qualified as estimated (UJ). The result for benzaldehyde was rejected (R).

Sample SB-208-7-9 was submitted for MS/MSD analysis. Percent recoveries in the MS and/or MSD were below control limits for the majority of base-neutral analytes. The MS and MSD percent recoveries for benzaldehyde (4 and 4) were less than the lower validation guideline limit of 10. The MS and MSD percent recoveries for 2,4-dimethylphenol (30 and 32) and pentachlorophenol (22 and 24) were less than the lower QC limit of 40. Based on professional judgment, base/neutral fraction reporting limits in sample SB-208-7-9 were qualified as estimated (UJ). The reporting limit for 2,4-dichlorophenol and pentachlorophenol in sample SB-208-7-9 was qualified as estimated (UJ). The result for benzaldehyde was rejected (R).

3.5 Surrogate Recovery

Most samples base-neutral fraction surrogate percent recoveries were less than the lower QC limit of 70 and acid fraction surrogate recoveries less than the lower QC limit of 40. In most samples surrogate recoveries were within the laboratory QC limits provided in the data reports.

Samples were qualified based on the project limits. Qualified samples are summarized in Table F.4 with reason code SS-L.

SDG 92179407
Most base-neutral fraction surrogate percent recoveries were less than the lower QC limit of 70 for all samples. Most samples had acid fraction surrogate recoveries less than the lower QC limit of 40. Surrogate percent recoveries for samples SB-207-13-14, SB-17-0-1, and SB-19-14-15 were zero and were not evaluated due to a 10-fold dilution. Reporting limits of associated target analytes in affected samples were qualified as estimated (UJ). Samples and surrogate percent recoveries are presented in the table below:

Sample ID	2-Fluoro-biphenyl	Nitro-benzene-d5	Terphenyl-d14	2,4,6-Tri-bromophenol	2-Fluoro-phenol	Phenol-d6
SB-21-1-2	34	34	62	36	33	30
SB-21-9-10	39	35	---	---	36	33
SB-21-14-15	33	32	---	37	32	30
SB-207-3-4	28	26	51	35	27	25
SB-207-6-7	31	31	55	39	30	28
SB-17-9-10	37	37	69	---	39	35
SB-17-13-14	33	36	64	---	35	33
SB-501	46	45	66	---	39	39
SB-19-2-3	64	60	---	---	---	---
SB-19-8-10	52	53	69	---	---	---
SB-18-4-5	42	42	56	39	37	35
SB-18-5-6	47	44	60	---	---	---
SB-18-10-12	46	44	61	---	---	38
SB-25-3-4	32	32	56	36	29	27
SB-25-9-10	41	42	60	---	38	36
SB-25-13-14	40	69	---	---	---	---
"---" = percent recovery is within the QC limit.						

SDG 92180392

Base-neutral fraction surrogate percent recoveries were less than the lower QC limit of 70. Most samples had acid fraction surrogate recoveries less than the lower QC limit of 40. Surrogate percent recoveries for samples SB-15-4-5 and SB-20-3-4 were zero and were not evaluated due to a 10-fold dilution. Reporting limits of associated target analytes in affected samples were qualified as estimated (UJ). Samples and surrogate percent recoveries are presented in the table below:

Sample ID	2-Fluoro-biphenyl	Nitro-benzene-d5	Terphenyl-d14	2,4,6-Tri-bromophenol	2-Fluoro-phenol	Phenol-d6
SB-503	56	56	57	---	---	---
SB-504	54	53	49	---	---	---
SB-13-2-3	54	53	59	---	---	---
SB-13-5-6	48	45	54	---	---	---
SB-13-10-11	42	40	42	34	---	---
SB-16-4-5	36	34	40	31	35	35
SB-16-7-8	42	42	43	33	---	---
SB-16-10-11	28	29	30	24	30	30
SB-01-4-5	55	55	61	---	---	---
SB-01-7-8	49	46	53	---	---	---
SB-01-11-12	47	44	50	---	---	---
SB-15-7-8	38	35	42	---	39	---
SB-15-11-12	46	44	47	---	---	---
SB-14-3-4	66	62	---	---	---	---
SB-14-7-8	33	32	35	34	32	35
SB-14-10-11	36	36	39	34	33	36
SB-11-3-5	46	43	49	32	33	---
SB-11-7-8	29	27	31	27	28	29
SB-11-14-15	59	60	66	---	---	---
SB-20-9-10	56	53	59	---	---	---

SB-20-14-15	42	67	64	---	---	---
SB-22-4-5	37	37	49	14	15	15
SB-22-9-10	53	53	55	---	---	---
SB-22-12-13	45	44	53	---	---	---
SB-07-0-1	35	37	42	38	38	38
SB-07-9-10	58	60	64	---	---	---
SB-07-13-14	57	58	60	---	---	---
SB-208-4-5	44	42	49	39	---	---
SB-208-12-13	55	56	58	---	---	---
SB-208-7-9	47	45	47	33	36	38
SB-12-2-3	31	30	34	29	33	32
SB-12-9-10	35	32	40	32	36	36
SB-12-14-15	35	32	40	---	---	---
SB-204-0-1	51	49	53	---	---	---
SB-204-9-10	52	50	52	35	---	---
SB-204-11-12	36	33	38	32	34	34
SB-205-0-1	37	37	40	34	37	38
SB-205-6-7	55	52	56	---	---	---
SB-205-14-15	59	---	68	---	---	---
"---" = percent recovery is within the QC limit.						

SDG 92180022

Most base-neutral fraction surrogate percent recoveries were less than the lower QC limit of 70. Multiple samples had acid fraction surrogate recoveries less than the lower QC limit of 40. Surrogate percent recoveries for samples SB-24-14-15 and SB-206-14-15 were not evaluated due to a 20-fold dilution. Reported detections and reporting limits of associated target analytes in affected samples were qualified as estimated (J/UJ). Samples and surrogate percent recoveries are presented in the table below:

Sample ID	2-Fluoro-biphenyl	Nitro-benzene-d5	Terphenyl-d14	2,4,6-Tri-bromophenol	2-Fluoro-phenol	Phenol-d6
SB-502	48	48	55	---	---	---
SB-24-3-4	53	50	58	---	---	---
SB-24-8-9	47	46	52	---	---	---
SB-24-14-15	51	---	62	---	---	---
SB-04-3-4	48	45	55	---	---	---
SB-04-6-7	41	39	55	---	---	38
SB-04-11-12	49	43	61	---	---	---
SB-206-4-5	29	28	36	35	29	26
SB-206-8-10	31	29	32	30	27	25
SB-206-14-15	59	---	---	---	---	---
SB-23-0-1	43	40	62	---	37	39
SB-23-9-10	48	49	53	25	21	21
SB-23-14-15	59	52	69	---	---	---
"---" = percent recovery is within the QC limit.						

3.6 Internal Standards

SDG 92180392
The internal standard response of acenaphthene-d8 for sample SB-13-2-3 (204) and naphthalene-d8 in samples SB-15-4-5 (44) and SB-205-14-15 (47) were outside of the QC limits of 50 to 200. Associated analytes in sample SB-13-2-3 were not detected, so no qualification action was required. Results and reporting limits for associated analytes in samples SB-15-4-5 and SB-205-14-15 were qualified as estimated (J/UJ). Qualified samples are summarized in Table F.4 with reason code IS-L.

3.7 Detection Limits

SDG 92179407
Sample SB-17-0-1, SB-19-14-15, and SB-207-13-14 were analyzed at a 10-fold dilution. Reporting limits were elevated accordingly.

SDG 92180392
Samples SB-15-4-5 and SB-20-3-4 were analyzed at a 10-fold dilution. Reporting limits were elevated accordingly.

4.0 POLYCYCLIC AROMATIC HYDROCARBONS

Samples were analyzed for PAHs by Method SW-846 8270D Selective Ion Monitoring (SIM). Data were reviewed for the following parameters:

* Data completeness
* Holding time and preservation
* Blanks
* Instrument tunes
* Initial calibration standards
* Continuing calibration standards
* LCS
  MS/MSD
* Field duplicates
  Surrogate recovery
* Internal standards
* Sample result verification/electronic data deliverable
* TICs
* Raw data verification and calculation checks
  Detection limits

(* = indicates that criteria were met for this parameter)

Except for the validation actions noted below, the results are interpreted to be usable as reported by the laboratory.

4.1 MS/MSD

Percent recoveries in the MS and/or MSD were outside project limits (70-130 percent) for the majority of analytes. Analyte recoveries were greater than 50 percent and within the

laboratory control limits. The majority of these compounds were not detected and reporting limits in associated samples were qualified as estimated values. Reporting limits for qualified compounds are biased low. RPD limits were also exceeded for several results.

Qualified results are summarized in Table F.4 with reason codes MS-H, MS-L and MS-RPD. Detailed discussions for each SDG are presented in the following sections.

SDG 92179407
Sample SB-19-8-10 was submitted for MS/MSD analysis. MS and/or MSD percent recoveries for 1-methylnaphthalene (66), 2-methylnaphthalaene (67), benzo(g,h,i)perylene (68), benzo(k)fluoranthene (63 and 61), and naphthalene (66 and 69) were less than the lower control limit of 70. Reporting limits for 1-methylnaphthalene, 2-methylnaphthalaene, benzo(g,h,i)perylene, benzo(k)fluoranthene, and naphthalene in sample SB-19-8-10 were qualified as estimated (UJ).

Sample SB-25-13-14 was submitted for MS/MSD analysis. MS and/or MSD percent recoveries for 1-methylnaphthalene (141), 2-methylnaphthalaene (149 and 137), acenaphthene (147), acenaphthylene (64 and 51), anthracene (136), benzo(b)fluoranthene (68 and 68), benzo(g,h,i)perylene (62), benzo(k)fluoranthene (54 and 53), fluoranthene (157 and 1443), fluorene (142), phenanthrene (144), and pyrene (169 and 155) were outside of the QC limits of 70 to 130. The MS/MSD RPD for fluorene (40) exceeded the QC limit of 30. 1-methylnaphthalene, 2-methylnaphthalaene, acenaphthene, anthracene, fluoranthene, phenanthrene in sample SB-25-13-14 were not detected in sample SB-25-13-14, so no qualification action was required due to the high recovery. Reporting limits for acenaphthylene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, and fluorene in sample SB-25-13-14 were qualified as estimated (UJ).

SDG 92180022
Sample SB-206-8-10 was submitted for MS/MSD analysis. MS percent recoveries in were less than the lower control limit of 70 for the majority of compounds. The MS/MSD RPD for fluorene (51) exceeded the QC limit of 50. Based on professional judgment, results and reporting limits in sample SB-206-8-10 were qualified as estimated (J/UJ).

SDG 92180392
Sample SB-11-3-5 was submitted for MS/MSD analysis. MS and/or MSD percent recoveries for 1-methylnaphthalene (60), 2-methylnaphthalaene (58), acenaphthene (60), acenaphthalene (53), anthracene (66), benzo(b)fluoranthene (67 and 62), benzo(g,h,i)perylene (68 and 61), benzo(k)fluoranthene (66), dibenz(a,h)anthracene (69), fluorene (58), naphthalene (58), and phenanthrene (64) were less than the lower control limit of 70. Reporting limits for 1-methylnaphthalene, 2-methylnaphthalaene, acenaphthene, acenaphthalene, anthracene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, dibenz(a,h)anthracene, fluorene, naphthalene, and phenanthrene in sample SB-11-3-5 were qualified as estimated (UJ).

Sample SB-208-7-9 was submitted for MS/MSD analysis. MS and/or MSD percent recoveries for 1-methylnaphthalene (55), 2-methylnaphthalaene (57), acenaphthene (53), acenaphthalene (50), anthracene (55), benzo(b)fluoranthene (69), benzo(g,h,i)perylene (58 and 56), benzo(k)fluoranthene (67), dibenz(a,h)anthracene (69 and 67), fluorene (58),

indeno(1,2,3-cd)pyrene (68), naphthalene (55), and phenanthrene (54) were less than the lower control limit of 70. Reporting limits for 1-methylnaphthalene, 2-methylnaphthalaene, acenaphthene, acenaphthalene, anthracene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, dibenz(a,h)anthracene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, and phenanthrene in sample SB-208-7-9 were qualified as estimated (UJ).

4.2 Surrogate Recovery

Most samples had surrogate percent recoveries less than the lower QC limit of 70. In most samples surrogate recoveries were within the laboratory QC limits provided in the data reports. Samples were qualified based on the project limits. Qualified samples are summarized in Table F.4 with reason code SS-L.

SDG 92179407
Most surrogate percent recoveries were less than the lower QC limit of 70. Surrogate percent recoveries for samples SB-17-0-1, SB-207-13-14, and SB-19-14-15 were not evaluated due to a 10-fold dilution. The nitrobenzene-d5 surrogate recovery in sample SB-25-13-14 (172) exceeded the upper QC limit of 130, so no action was required due to the high surrogate recovery. Reported detections and reporting limits of associated target analytes in affected samples were qualified as estimated (J/UJ). Samples and surrogate percent recoveries are presented in the table below:

Sample ID	2-Fluorobiphenyl	Nitrobenzene-d5	Terphenyl-d14
SB-21-1-2	41	42	---
SB-21-9-10	55	52	---
SB-21-14-15	31	34	54
SB-207-3-4	43	44	---
SB-207-6-7	43	45	---
SB-17-9-10	41	47	63
SB-17-13-14	41	46	69
SB-501	48	51	---
SB-19-2-3	62	66	---
SB-19-8-10	46	45	66
SB-18-4-5	38	42	---
SB-18-5-6	48	49	67
SB-18-10-12	41	41	---
SB-25-3-4	32	32	59
SB-25-9-10	33	36	58
SB-25-13-14	---	172	---
"---" = percent recovery is within the QC limit.			

SDG 92180022
Most surrogate percent recoveries were less than the lower QC limit of 70. Surrogate percent recoveries for samples SB-24-14-15 and SB-206-14-15 were not evaluated due to a 20-fold dilution. Reported detections and reporting limits of associated target analytes in affected samples were qualified estimated (J/UJ). Samples and surrogate percent recoveries are presented in the table below:

Sample ID	2-Fluorobiphenyl	Nitrobenzene-d5	Terphenyl-d14
SB-502	62	63	---
SB-24-3-4	68	69	---
SB-24-8-9	56	57	67
SB-04-3-4	33	33	62
SB-04-6-7	31	31	54
SB-04-11-12	54	60	---
SB-206-4-5	37	36	54
SB-206-8-10	59	58	---
SB-23-0-1	26	25	45
SB-23-9-10	57	53	---
SB-23-14-15	59	48	---
"---" = percent recovery is within the QC limit.			

SDG 92180392

Most surrogate percent recoveries were less than the lower QC limit of 70. Recoveries for samples SB-14-3-4 and SB-20-3-4 were not evaluated due to sample dilution. Reported detections and reporting limits of associated target analytes in affected samples were qualified as estimated (J/UJ). Samples and surrogate percent recoveries are presented in the table below:

Sample ID	2-Fluorobiphenyl	Nitrobenzene-d5	Terphenyl-d14
SB-503	49	50	---
SB-504	50	49	---
SB-13-2-3	54	65	68
SB-13-5-6	54	55	63
SB-13-10-11	53	52	66
SB-16-4-5	44	45	54
SB-16-7-8	49	48	60
SB-16-10-11	50	51	56
SB-01-4-5	51	48	67
SB-01-7-8	39	39	44
SB-01-11-12	37	35	41
SB-15-4-5	58	59	56
SB-15-7-8	33	30	40
SB-15-11-12	50	48	53
SB-14-7-8	54	53	67
SB-14-10-11	47	45	62
SB-11-3-5	54	53	61
SB-11-7-8	50	47	58
SB-11-14-15	55	54	68
SB-22-9-10	67	63	---
SB-22-12-13	55	56	---
SB-07-0-1	64	65	---
SB-07-9-10	33	34	---
SB-07-13-14	69	---	---
SB-208-12-13	37	34	---
SB-208-7-9	67	68	69
SB-12-2-3	64	64	---
SB-12-9-10	64	64	---

SB-12-14-15	56	61	---
SB-204-0-1	60	59	---
SB-204-9-10	57	54	69
SB-204-11-12	54	54	66
SB-205-0-1	55	54	---
SB-205-6-7	56	54	66
"---" = percent recovery is within the QC limit.			

4.3 Detection Limits

SDG 92179407
Sample SB-20-14-15 was analyzed at a 5-fold dilution. Samples SB-207-13-14, SB 17-0-1, and SB-19-14-15 were analyzed at a 10-fold dilution. Reporting limits were elevated accordingly.

SDG 92180022
Samples SB-24-14-15 and SB-206-14-15 were analyzed at a 20-fold dilution. Reporting limits were elevated accordingly.

SDG 92180392
Sample SB-20-14-15 was analyzed at a 5-fold dilution. Samples SB-14-3-4 and SB-20-3-4 were analyzed at a 10-fold dilution. Samples SB-15-4-5, SB-205-14-15 were analyzed at a 50-fold dilution. Reporting limits were elevated accordingly.

5.0 PERCENT MOISTURE

Samples were analyzed for percent by ASTM Method D2974-87. Data were reviewed for the following parameters:

* Data Completeness

(* = indicates that criteria were met for this parameter)

Results are interpreted to be usable as reported by the laboratory.

6.0 REFERENCES

AMEC, 2012. "NAPL Investigation Work Plan (Revision 1) Appendix B Quality Assurance Project Plan"; CTS of Asheville, Inc. Superfund Site; November 9, 2012.

USEPA Region 4, 2008. "Data Validation Standard Operating Procedures for Organic Analysis" Science and Ecosystem Support Division, Quality Assurance Section, MTSB, Revision 3.1.

Data Validator: Wolfgang Calicchio

Date: 3/19/2014

Reviewed By: Chris Ricardi, NRCC-EAC

Date: 3/20/2014

TABLE F.1
Data Validation Report: Summary of Samples and Analytical Methods
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

Sample Delivery Group	Sample Location	Field Sample ID	Sample Date	Lab Sample ID	QC	ASTM D2974-87	VOCs EPA 8260B	SVOCs EPA 8270D	SVOCs EPA 8270D SIM
92179407	QC	CTS-STB-01	11/12/13	92179407001	TB	---	52	---	---
92179407	QC	CTS-STB-02	11/12/13	92179407002	TB	---	52	---	---
92179407	QC	CTS-RB-01	11/13/13	92179407003	EB	---	52	50	18
92179407	QC	CTS-RB-02	11/13/13	92179407004	EB	---	52	50	18
92179407	SB-21	SB-21-1-2	11/12/13	92179407005	FS	1	52	50	18
92179407	SB-21	SB-21-9-10	11/12/13	92179407006	FS	1	52	50	18
92179407	SB-21	SB-21-14-15	11/12/13	92179407007	FS	1	52	50	18
92179407	SB-207	SB-207-3-4	11/12/13	92179407008	FS	1	52	50	18
92179407	SB-207	SB-207-6-7	11/12/13	92179407009	FS	1	52	50	18
92179407	SB-207	SB-207-13-14	11/12/13	92179407010	FS	1	52	50	18
92179407	SB-17	SB-17-0-1	11/12/13	92179407011	FS	1	52	50	18
92179407	SB-17	SB-17-9-10	11/12/13	92179407012	FS	1	52	50	18
92179407	SB-17	SB-17-13-14	11/12/13	92179407013	FS	1	52	50	18
92179407	SB-18	SB-501	11/13/13	92179407014	FD	1	52	50	18
92179407	SB-19	SB-19-2-3	11/13/13	92179407015	FS	1	52	50	18
92179407	SB-19	SB-19-8-10	11/13/13	92179407016	FS	1	52	50	18
92179407	SB-19	SB-19-14-15	11/13/13	92179407017	FS	1	52	50	18
92179407	SB-18	SB-18-4-5	11/13/13	92179407018	FS	1	52	50	18
92179407	SB-18	SB-18-5-6	11/13/13	92179407019	FS	1	52	50	18
92179407	SB-18	SB-18-10-12	11/13/13	92179407020	FS	1	52	50	18
92179407	SB-25	SB-25-3-4	11/13/13	92179407021	FS	1	52	50	18
92179407	SB-25	SB-25-9-10	11/13/13	92179407022	FS	1	52	50	18
92179407	SB-25	SB-25-13-14	11/13/13	92179407023	FS	1	52	50	18
92180022	QC	CTS-STB-03	11/18/13	92180022001	TB	---	52	---	---
92180022	SB-04	SB-502	11/18/13	92180022002	FD	1	52	50	18
92180022	SB-24	SB-24-3-4	11/18/13	92180022003	FS	1	52	50	18
92180022	SB-24	SB-24-8-9	11/18/13	92180022004	FS	1	52	50	18
92180022	SB-24	SB-24-14-15	11/18/13	92180022005	FS	1	52	50	18
92180022	SB-04	SB-04-3-4	11/18/13	92180022006	FS	1	52	50	18
92180022	SB-04	SB-04-6-7	11/18/13	92180022007	FS	1	52	50	18
92180022	SB-04	SB-04-11-12	11/18/13	92180022008	FS	1	52	50	18
92180022	SB-206	SB-206-4-5	11/18/13	92180022009	FS	1	52	50	18

TABLE F.1
Data Validation Report: Summary of Samples and Analytical Methods
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

Sample Delivery Group	Sample Location	Field Sample ID	Sample Date	Lab Sample ID	QC	ASTM D2974-87	VOCs EPA 8260B	SVOCs EPA 8270D	SVOCs EPA 8270D SIM
92180022	SB-206	SB-206-8-10	11/18/13	92180022010	FS	1	52	50	18
92180022	SB-206	SB-206-14-15	11/18/13	92180022011	FS	1	52	50	18
92180022	SB-23	SB-23-0-1	11/18/13	92180022012	FS	1	52	50	18
92180022	SB-23	SB-23-9-10	11/18/13	92180022013	FS	1	52	50	18
92180022	SB-23	SB-23-14-15	11/18/13	92180022014	FS	1	52	50	18
92180392	QC	CTS-STB-04	11/19/13	92180392001	TB	---	52	---	---
92180392	QC	CTS-STB-05	11/20/13	92180392002	TB	---	52	---	---
92180392	SB-11	SB-503	11/19/13	92180392003	FD	1	52	50	18
92180392	SB-12	SB-504	11/20/13	92180392004	FD	1	52	50	18
92180392	SB-13	SB-13-2-3	11/19/13	92180392005	FS	1	52	50	18
92180392	SB-13	SB-13-5-6	11/19/13	92180392006	FS	1	52	50	18
92180392	SB-13	SB-13-10-11	11/19/13	92180392007	FS	1	52	50	18
92180392	SB-16	SB-16-4-5	11/19/13	92180392008	FS	1	52	50	18
92180392	SB-16	SB-16-7-8	11/19/13	92180392009	FS	1	52	50	18
92180392	SB-16	SB-16-10-11	11/19/13	92180392010	FS	1	52	50	18
92180392	SB-01	SB-01-4-5	11/19/13	92180392011	FS	1	52	50	18
92180392	SB-01	SB-01-7-8	11/19/13	92180392012	FS	1	52	50	18
92180392	SB-01	SB-01-11-12	11/19/13	92180392013	FS	1	52	50	18
92180392	SB-15	SB-15-4-5	11/19/13	92180392014	FS	1	52	50	18
92180392	SB-15	SB-15-7-8	11/19/13	92180392015	FS	1	52	50	18
92180392	SB-15	SB-15-11-12	11/19/13	92180392016	FS	1	52	50	18
92180392	SB-14	SB-14-3-4	11/19/13	92180392017	FS	1	52	50	18
92180392	SB-14	SB-14-7-8	11/19/13	92180392018	FS	1	52	50	18
92180392	SB-14	SB-14-10-11	11/19/13	92180392019	FS	1	52	50	18
92180392	SB-11	SB-11-3-5	11/19/13	92180392020	FS	1	52	50	18
92180392	SB-11	SB-11-7-8	11/19/13	92180392021	FS	1	52	50	18
92180392	SB-11	SB-11-14-15	11/19/13	92180392022	FS	1	52	50	18
92180392	SB-20	SB-20-3-4	11/20/13	92180392023	FS	1	52	50	18
92180392	SB-20	SB-20-9-10	11/20/13	92180392024	FS	1	52	50	18
92180392	SB-20	SB-20-14-15	11/20/13	92180392025	FS	1	52	50	18
92180392	SB-22	SB-22-4-5	11/20/13	92180392026	FS	1	52	50	18
92180392	SB-22	SB-22-9-10	11/20/13	92180392027	FS	1	52	50	18

TABLE F.1
Data Validation Report: Summary of Samples and Analytical Methods
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

Sample Delivery Group	Sample Location	Field Sample ID	Sample Date	Lab Sample ID	QC	ASTM D2974-87	VOCs EPA 8260B	SVOCs EPA 8270D	SVOCs EPA 8270D SIM
92180392	SB-22	SB-22-12-13	11/20/13	92180392028	FS	1	52	50	18
92180392	SB-07	SB-07-0-1	11/20/13	92180392029	FS	1	52	50	18
92180392	SB-07	SB-07-9-10	11/20/13	92180392030	FS	1	52	50	18
92180392	SB-07	SB-07-13-14	11/20/13	92180392031	FS	1	52	50	18
92180392	SB-208	SB-208-4-5	11/20/13	92180392032	FS	1	52	50	18
92180392	SB-208	SB-208-12-13	11/20/13	92180392033	FS	1	52	50	18
92180392	SB-208	SB-208-7-9	11/20/13	92180392034	FS	1	52	50	18
92180392	SB-12	SB-12-2-3	11/20/13	92180392035	FS	1	52	50	18
92180392	SB-12	SB-12-9-10	11/20/13	92180392036	FS	1	52	50	18
92180392	SB-12	SB-12-14-15	11/20/13	92180392037	FS	1	52	50	18
92180392	SB-204	SB-204-0-1	11/20/13	92180392038	FS	1	52	50	18
92180392	SB-204	SB-204-9-10	11/20/13	92180392039	FS	1	52	50	18
92180392	SB-204	SB-204-11-12	11/20/13	92180392040	FS	1	52	50	18
92180392	SB-205	SB-205-0-1	11/20/13	92180392041	FS	1	52	50	18
92180392	SB-205	SB-205-6-7	11/20/13	92180392042	FS	1	52	50	18
92180392	SB-205	SB-205-14-15	11/20/13	92180392043	FS	1	52	50	18

Notes:
VOCs = volatile organic compounds (project list)
SVOCs = semi volatile organic compounds (project list)
SIM = selective ion monitoring
Number indicates number of target analytes reported
--- = not associated

Prepared By: WCG 2/28/14
Checked By: WDC 3/19/14

TABLE F.2
Data Validation Report: Project Quality Control Limits
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

Parameter	QC Test	Water %R	Water RPD	Soil %R	Soil RPD
VOC	Surrogate	70-130	---	70-130	---
	LCS/LCSD	70-130	30	70-130	30
	MS/MSD	70-130	30	70-130	30
	Field Duplicate	---	30	---	30
SVOC	Surrogate b/n fraction	70-130	---	70-130	---
	Surrogate acid fraction	40-160	---	40-160	---
	LCS/LCSD b/n fraction	70-130	30	70-130	30
	LCS/LCSD acid fraction	40-160	30	40-160	30
	MS/MSD b/n fraction	70-130	30	70-130	50
	MS/MDS Acid fraction	40-160	30	40-160	50
	Field Duplicate	---	30	---	50
SVOC-SIM	Surrogate	70-130	---	70-130	---
	LCS/LCSD	70-130	30	70-130	30
	MS/MSD	70-130	30	70-130	50
	Field Duplicate	---	30	---	50

Notes:
LCS = laboratory control sample
LCSD = laboratory control sample duplicate
MS = matrix spike
MSD = matrix spike duplicate
%R = percent recovery
RPD = relative percent difference
b/n = base/neutral

Prepared By: WDC 3/19/14
Checked By: CSR 4/4/14

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-01		SB-01		SB-01		SB-04		SB-04		SB-04	
		Field Sample ID:	SB-01-4-5		SB-01-7-8		SB-01-11-12		SB-04-3-4		SB-04-6-7		SB-04-11-12	
		Date:	11/19/13		11/19/13		11/19/13		11/18/13		11/18/13		11/18/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
ASTM D2974-87	Percent Moisture	%	10.5		8.5		20.2		10.4		8.5		13	
EPA 8260	1,1,1-Trichloroethane	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	1,1,2-Trichloroethane	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	1,1-Dichloroethane	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	1,1-Dichloroethene	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	1,2,3-Trichlorobenzene	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	1,2,4-Trichlorobenzene	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	1,2-Dibromoethane	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	1,2-Dichlorobenzene	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	1,2-Dichloroethane	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	1,2-Dichloropropane	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	1,3-Dichlorobenzene	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	1,4-Dichlorobenzene	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	1,4-Dioxane	UG/KG	152	U	139	U	161	U	156	U	145	U	154	U
EPA 8260	2-Butanone	UG/KG	30.8	J	14.3	J	107	U	21.4	J	96.6	U	103	U
EPA 8260	2-Hexanone	UG/KG	6.3	J	46.4	U	53.6	U	6.9	J	48.3	U	51.3	U
EPA 8260	4-Methyl-2-pentanone	UG/KG	50.6	U	46.4	U	53.6	U	51.8	U	48.3	U	51.3	U
EPA 8260	Acetic acid, methyl ester	UG/KG	10.1	U	9.3	U	10.7	U	10.4	U	9.7	U	10.3	U
EPA 8260	Acetone	UG/KG	130		80.3	J	76.4	J	124	A+	57.7	J	33.8	J
EPA 8260	Benzene	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	Bromochloromethane	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	Bromodichloromethane	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	Bromoform	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	Bromomethane	UG/KG	10.1	UJ	9.3	UJ	10.7	UJ	10.4	U	9.7	U	10.3	U
EPA 8260	Carbon disulfide	UG/KG	10.1	U	9.3	U	10.7	U	10.4	U	9.7	U	10.3	U
EPA 8260	Carbon tetrachloride	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	Chlorobenzene	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	Chlorodibromomethane	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	Chloroethane	UG/KG	10.1	U	9.3	U	10.7	U	10.4	U	9.7	U	10.3	U
EPA 8260	Chloroform	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	Chloromethane	UG/KG	10.1	U	9.3	U	10.7	U	10.4	U	9.7	U	10.3	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-01		SB-01		SB-01		SB-04		SB-04		SB-04	
		Field Sample ID:	SB-01-4-5		SB-01-7-8		SB-01-11-12		SB-04-3-4		SB-04-6-7		SB-04-11-12	
		Date:	11/19/13		11/19/13		11/19/13		11/18/13		11/18/13		11/18/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8260	Cis-1,2-Dichloroethene	UG/KG	5.1	U	4.6	U	10.2		5.2	U	4.8	U	3.5	J
EPA 8260	cis-1,3-Dichloropropene	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	Cyclohexane	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	Dichlorodifluoromethane	UG/KG	10.1	U	9.3	U	10.7	U	10.4	U	9.7	U	10.3	U
EPA 8260	Ethyl benzene	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	Isopropylbenzene	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	Methyl cyclohexane	UG/KG	10.1	U	9.3	U	10.7	U	10.4	U	9.7	U	10.3	U
EPA 8260	Methyl Tertbutyl Ether	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	Methylene chloride	UG/KG	20.2	U	18.5	U	21.4	U	20.7	U	19.3	U	20.5	U
EPA 8260	Styrene	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	Tetrachloroethene	UG/KG	5.1	UJ	4.6	UJ	5.4	UJ	5.2	U	4.8	U	5.1	U
EPA 8260	Toluene	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	trans-1,2-Dichloroethene	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	trans-1,3-Dichloropropene	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	Trichloroethene	UG/KG	34.9		75.3		2630		3.3	J	4.8	U	146	J
EPA 8260	Trichlorofluoromethane	UG/KG	5.1	UJ	4.6	UJ	5.4	UJ	5.2	U	4.8	U	5.1	U
EPA 8260	Vinyl chloride	UG/KG	10.1	U	9.3	U	10.7	U	10.4	U	9.7	U	10.3	U
EPA 8260	Xylene, o	UG/KG	5.1	U	4.6	U	5.4	U	5.2	U	4.8	U	5.1	U
EPA 8260	Xylenes (m&p)	UG/KG	10.1	U	9.3	U	10.7	U	10.4	U	9.7	U	10.3	U
EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	369	U	361	U	414	U	368	UJ	361	UJ	379	UJ
EPA 8270	2,4,5-Trichlorophenol	UG/KG	369	U	361	U	414	U	368	U	361	UJ	379	U
EPA 8270	2,4,6-Trichlorophenol	UG/KG	369	U	361	U	414	U	368	U	361	UJ	379	U
EPA 8270	2,4-Dichlorophenol	UG/KG	369	U	361	U	414	U	368	U	361	U	379	U
EPA 8270	2,4-Dimethylphenol	UG/KG	369	U	361	U	414	U	368	U	361	UJ	379	U
EPA 8270	2,4-Dinitrophenol	UG/KG	1840	U	1800	U	2070	U	1840	UJ	1800	UJ	1900	UJ
EPA 8270	2,4-Dinitrotoluene	UG/KG	369	U	361	U	414	U	368	U	361	U	379	U
EPA 8270	2,6-Dinitrotoluene	UG/KG	369	U	361	U	414	U	368	U	361	U	379	U
EPA 8270	2-Chloronaphthalene	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	2-Chlorophenol	UG/KG	369	U	361	U	414	U	368	U	361	UJ	379	U
EPA 8270	2-Methylphenol	UG/KG	369	U	361	U	414	U	368	U	361	UJ	379	U
EPA 8270	2-Nitroaniline	UG/KG	1840	UJ	1800	UJ	2070	UJ	1840	UJ	1800	UJ	1900	UJ
EPA 8270	2-Nitrophenol	UG/KG	369	U	361	U	414	U	368	UJ	361	UJ	379	UJ
EPA 8270	3 & 4 Methylphenol	UG/KG	369	U	361	U	414	U	368	U	361	UJ	379	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-01		SB-01		SB-01		SB-04		SB-04		SB-04	
		Field Sample ID:	SB-01-4-5		SB-01-7-8		SB-01-11-12		SB-04-3-4		SB-04-6-7		SB-04-11-12	
		Date:	11/19/13		11/19/13		11/19/13		11/18/13		11/18/13		11/18/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1840	UJ	1800	UJ	2070	UJ	1840	UJ	1800	UJ	1900	UJ
EPA 8270	3-Nitroaniline	UG/KG	1840	UJ	1800	UJ	2070	UJ	1840	UJ	1800	UJ	1900	UJ
EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	738	U	721	U	827	U	736	U	722	UJ	759	U
EPA 8270	4-Bromophenyl phenyl ether	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	4-Chloro-3-methylphenol	UG/KG	738	U	721	U	827	U	736	U	722	U	759	U
EPA 8270	4-Chloroaniline	UG/KG	1840	UJ	1800	UJ	2070	UJ	1840	UJ	1800	UJ	1900	UJ
EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	4-Nitroaniline	UG/KG	738	UJ	721	UJ	827	UJ	736	UJ	722	UJ	759	UJ
EPA 8270	4-Nitrophenol	UG/KG	1840	U	1800	U	2070	U	1840	U	1800	UJ	1900	U
EPA 8270	Acetophenone	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Atrazine	UG/KG	738	UJ	721	UJ	827	UJ	736	UJ	722	UJ	759	UJ
EPA 8270	Benzaldehyde	UG/KG	738	UR	721	UR	827	UR	736	UR	722	UR	759	UR
EPA 8270	Biphenyl	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Butylbenzylphthalate	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Caprolactam	UG/KG	369	U	361	U	414	U	368	U	361	U	379	U
EPA 8270	Carbazole	UG/KG	369	U	361	U	414	U	368	U	361	U	379	U
EPA 8270	Di-n-butylphthalate	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Di-n-octylphthalate	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Dibenzofuran	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Diethylphthalate	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Dimethylphthalate	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Hexachlorobenzene	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Hexachlorobutadiene	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Hexachlorocyclopentadiene	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Hexachloroethane	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Isophorone	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	N-Nitrosodiphenylamine	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Nitrobenzene	UG/KG	369	UJ	361	UJ	414	UJ	368	UJ	361	UJ	379	UJ
EPA 8270	Pentachlorophenol	UG/KG	1840	UJ	1800	UJ	2070	UJ	1840	U	1800	U	1900	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-01		SB-01		SB-01		SB-04		SB-04		SB-04	
		Field Sample ID:	SB-01-4-5		SB-01-7-8		SB-01-11-12		SB-04-3-4		SB-04-6-7		SB-04-11-12	
		Date:	11/19/13		11/19/13		11/19/13		11/18/13		11/18/13		11/18/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	Phenol	UG/KG	369	U	361	U	414	U	368	U	361	U	379	U
EPA 8270 by SIM	1-Methylnaphthalene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	24.6	J
EPA 8270 by SIM	2-Methylnaphthalene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	11.6	J
EPA 8270 by SIM	Acenaphthene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	11.5	UJ
EPA 8270 by SIM	Acenaphthylene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	11.5	UJ
EPA 8270 by SIM	Anthracene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	11.5	UJ
EPA 8270 by SIM	Benzo(a)anthracene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	11.5	U
EPA 8270 by SIM	Benzo(a)pyrene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	11.5	U
EPA 8270 by SIM	Benzo(b)fluoranthene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	11.5	U
EPA 8270 by SIM	Benzo(ghi)perylene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	11.5	U
EPA 8270 by SIM	Benzo(k)fluoranthene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	11.5	U
EPA 8270 by SIM	Chrysene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	11.5	U
EPA 8270 by SIM	Dibenz(a,h)anthracene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	11.5	U
EPA 8270 by SIM	Fluoranthene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	11.5	UJ
EPA 8270 by SIM	Fluorene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	11.5	UJ
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	11.5	U
EPA 8270 by SIM	Naphthalene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	11.5	UJ
EPA 8270 by SIM	Phenanthrene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	83.8	J
EPA 8270 by SIM	Pyrene	UG/KG	11.2	UJ	10.9	UJ	12.5	UJ	11.2	UJ	10.9	UJ	13.9	J

Notes:

UG/KG = microgram per kilogram

Qualifiers-

U = not detected at the reporting limit

UJ = not detected at the reporting limit, estimated

UR = result is rejected

J = result reported is estimated

Prepared By: WCG 3/19/14

Checked By: WDC 3/19/14

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-04		SB-07		SB-07		SB-07		SB-11		SB-11	
		Field Sample ID:	SB-502		SB-07-0-1		SB-07-9-10		SB-07-13-14		SB-11-3-5		SB-11-7-8	
		Date:	11/18/13		11/20/13		11/20/13		11/20/13		11/19/13		11/19/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
ASTM D2974-87	Percent Moisture	%	12.1		16.9		16.9		19.2		13.1		15.3	
EPA 8260	1,1,1-Trichloroethane	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	1,1,2-Trichloroethane	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	1,1-Dichloroethane	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	1,1-Dichloroethene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	1,2,3-Trichlorobenzene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	1,2,4-Trichlorobenzene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	1,2-Dibromoethane	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	1,2-Dichlorobenzene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	1,2-Dichloroethane	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	1,2-Dichloropropane	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	1,3-Dichlorobenzene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	1,4-Dichlorobenzene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	1,4-Dioxane	UG/KG	153	U	156	U	183	U	153	U	174	U	170	U
EPA 8260	2-Butanone	UG/KG	102	U	104	U	122	U	102	U	116	U	113	U
EPA 8260	2-Hexanone	UG/KG	50.9	U	51.9	U	60.9	U	51.1	U	58.1	U	56.6	U
EPA 8260	4-Methyl-2-pentanone	UG/KG	50.9	U	51.9	U	60.9	U	51.1	U	58.1	U	56.6	U
EPA 8260	Acetic acid, methyl ester	UG/KG	10.2	U	10.4	U	15		10.2	U	11.6	U	11.3	U
EPA 8260	Acetone	UG/KG	52	J	81.6	J	439		55.7	J	23.2	J	113	U
EPA 8260	Benzene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	Bromochloromethane	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	Bromodichloromethane	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	Bromoform	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	Bromomethane	UG/KG	10.2	U	10.4	U	12.2	U	10.2	U	11.6	UJ	11.3	U
EPA 8260	Carbon disulfide	UG/KG	10.2	U	10.4	U	12.2	U	10.2	U	11.6	U	11.3	U
EPA 8260	Carbon tetrachloride	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	Chlorobenzene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	Chlorodibromomethane	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	Chloroethane	UG/KG	10.2	U	10.4	U	12.2	U	10.2	U	11.6	U	11.3	U
EPA 8260	Chloroform	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	Chloromethane	UG/KG	10.2	U	10.4	U	12.2	U	10.2	U	11.6	U	11.3	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-04		SB-07		SB-07		SB-07		SB-11		SB-11	
		Field Sample ID:	SB-502		SB-07-0-1		SB-07-9-10		SB-07-13-14		SB-11-3-5		SB-11-7-8	
		Date:	11/18/13		11/20/13		11/20/13		11/20/13		11/19/13		11/19/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8260	Cis-1,2-Dichloroethene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	cis-1,3-Dichloropropene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	Cyclohexane	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	Dichlorodifluoromethane	UG/KG	10.2	U	10.4	U	12.2	U	10.2	U	11.6	U	11.3	U
EPA 8260	Ethyl benzene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	Isopropylbenzene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	Methyl cyclohexane	UG/KG	10.2	U	10.4	U	12.2	U	10.2	U	11.6	U	11.3	U
EPA 8260	Methyl Tertbutyl Ether	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	Methylene chloride	UG/KG	20.4	U	20.8	U	24.4	U	20.5	U	23.3	U	22.7	U
EPA 8260	Styrene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	Tetrachloroethene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	UJ	5.7	U
EPA 8260	Toluene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	trans-1,2-Dichloroethene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	trans-1,3-Dichloropropene	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	Trichloroethene	UG/KG	49.1	J	5.2	U	6.1	U	5.1	U	3.3	J	3.2	J
EPA 8260	Trichlorofluoromethane	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	UJ	5.7	U
EPA 8260	Vinyl chloride	UG/KG	10.2	U	10.4	U	12.2	U	10.2	U	11.6	U	11.3	U
EPA 8260	Xylene, o	UG/KG	5.1	U	5.2	U	6.1	U	5.1	U	5.8	U	5.7	U
EPA 8260	Xylenes (m&p)	UG/KG	10.2	U	10.4	U	12.2	U	10.2	U	11.6	U	11.3	U
EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	375	UJ	397	UJ	397	U	408	U	380	U	390	UJ
EPA 8270	2,4,5-Trichlorophenol	UG/KG	375	U	397	UJ	397	U	408	U	380	U	390	UJ
EPA 8270	2,4,6-Trichlorophenol	UG/KG	375	U	397	UJ	397	U	408	U	380	U	390	UJ
EPA 8270	2,4-Dichlorophenol	UG/KG	375	U	397	UJ	397	U	408	U	380	UJ	390	UJ
EPA 8270	2,4-Dimethylphenol	UG/KG	375	U	397	UJ	397	U	408	U	380	U	390	UJ
EPA 8270	2,4-Dinitrophenol	UG/KG	1880	U	1980	UJ	1990	U	2040	U	1900	UJ	1950	UJ
EPA 8270	2,4-Dinitrotoluene	UG/KG	375	U	397	UJ	397	U	408	U	380	UJ	390	UJ
EPA 8270	2,6-Dinitrotoluene	UG/KG	375	U	397	UJ	397	U	408	U	380	UJ	390	UJ
EPA 8270	2-Chloronaphthalene	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	2-Chlorophenol	UG/KG	375	U	397	UJ	397	U	408	U	380	U	390	UJ
EPA 8270	2-Methylphenol	UG/KG	375	U	397	UJ	397	U	408	U	380	U	390	UJ
EPA 8270	2-Nitroaniline	UG/KG	1880	UJ	1980	UJ	1990	UJ	2040	UJ	1900	UJ	1950	UJ
EPA 8270	2-Nitrophenol	UG/KG	375	UJ	397	UJ	397	U	408	U	380	U	390	UJ
EPA 8270	3 & 4 Methylphenol	UG/KG	375	U	397	UJ	397	U	408	U	380	U	390	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-04		SB-07		SB-07		SB-07		SB-11		SB-11	
		Field Sample ID:	SB-502		SB-07-0-1		SB-07-9-10		SB-07-13-14		SB-11-3-5		SB-11-7-8	
		Date:	11/18/13		11/20/13		11/20/13		11/20/13		11/19/13		11/19/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1880	UJ	1980	UJ	1990	UJ	2040	UJ	1900	UJ	1950	UJ
EPA 8270	3-Nitroaniline	UG/KG	1880	UJ	1980	UJ	1990	UJ	2040	UJ	1900	UJ	1950	UJ
EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	751	U	794	UJ	794	U	817	U	760	U	779	UJ
EPA 8270	4-Bromophenyl phenyl ether	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	4-Chloro-3-methylphenol	UG/KG	751	U	794	UJ	794	U	817	U	760	UJ	779	UJ
EPA 8270	4-Chloroaniline	UG/KG	1880	UJ	1980	UJ	1990	UJ	2040	UJ	1900	UJ	1950	UJ
EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	4-Nitroaniline	UG/KG	751	UJ	794	UJ	794	UJ	817	UJ	760	UJ	779	UJ
EPA 8270	4-Nitrophenol	UG/KG	1880	U	1980	UJ	1990	U	2040	U	1900	U	1950	UJ
EPA 8270	Acetophenone	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Atrazine	UG/KG	751	UJ	794	UJ	794	UJ	817	UJ	760	UJ	779	UJ
EPA 8270	Benzaldehyde	UG/KG	751	UR	794	UR	794	UR	817	UR	760	UR	779	UR
EPA 8270	Biphenyl	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Butylbenzylphthalate	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Caprolactam	UG/KG	375	U	397	UJ	397	U	408	U	380	UJ	390	UJ
EPA 8270	Carbazole	UG/KG	375	U	397	UJ	397	U	408	U	380	UJ	390	UJ
EPA 8270	Di-n-butylphthalate	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Di-n-octylphthalate	UG/KG	238	J	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Dibenzofuran	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Diethylphthalate	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Dimethylphthalate	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Hexachlorobenzene	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Hexachlorobutadiene	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Hexachlorocyclopentadiene	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Hexachloroethane	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Isophorone	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	N-Nitrosodiphenylamine	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Nitrobenzene	UG/KG	375	UJ	397	UJ	397	UJ	408	UJ	380	UJ	390	UJ
EPA 8270	Pentachlorophenol	UG/KG	1880	U	1980	UJ	1990	UJ	2040	UJ	1900	UJ	1950	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-04		SB-07		SB-07		SB-07		SB-11		SB-11	
		Field Sample ID:	SB-502		SB-07-0-1		SB-07-9-10		SB-07-13-14		SB-11-3-5		SB-11-7-8	
		Date:	11/18/13		11/20/13		11/20/13		11/20/13		11/19/13		11/19/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	Phenol	UG/KG	375	U	397	UJ	397	U	408	U	380	UJ	390	UJ
EPA 8270 by SIM	1-Methylnaphthalene	UG/KG	25.1	J	12	UJ	12	UJ	12.4	U	11.5	UJ	11.8	UJ
EPA 8270 by SIM	2-Methylnaphthalene	UG/KG	12	J	12	UJ	12	UJ	12.4	U	11.5	UJ	11.8	UJ
EPA 8270 by SIM	Acenaphthene	UG/KG	11.4	UJ	12	UJ	12	UJ	12.4	UJ	11.5	UJ	11.8	UJ
EPA 8270 by SIM	Acenaphthylene	UG/KG	11.4	UJ	12	UJ	12	UJ	12.4	UJ	11.5	UJ	11.8	UJ
EPA 8270 by SIM	Anthracene	UG/KG	11.4	UJ	12	UJ	12	UJ	12.4	UJ	11.5	UJ	11.8	UJ
EPA 8270 by SIM	Benzo(a)anthracene	UG/KG	11.4	UJ	0.9	J	12	UJ	12.4	U	11.5	UJ	11.8	UJ
EPA 8270 by SIM	Benzo(a)pyrene	UG/KG	11.4	UJ	12	UJ	12	UJ	12.4	U	11.5	UJ	11.8	UJ
EPA 8270 by SIM	Benzo(b)fluoranthene	UG/KG	11.4	UJ	12	UJ	12	UJ	12.4	U	11.5	UJ	11.8	UJ
EPA 8270 by SIM	Benzo(ghi)perylene	UG/KG	11.4	UJ	12	UJ	12	UJ	12.4	U	11.5	UJ	11.8	UJ
EPA 8270 by SIM	Benzo(k)fluoranthene	UG/KG	11.4	UJ	12	UJ	12	UJ	12.4	U	11.5	UJ	11.8	UJ
EPA 8270 by SIM	Chrysene	UG/KG	11.4	UJ	12	UJ	12	UJ	12.4	U	11.5	UJ	11.8	UJ
EPA 8270 by SIM	Dibenz(a,h)anthracene	UG/KG	11.4	UJ	12	UJ	12	UJ	12.4	U	11.5	UJ	11.8	UJ
EPA 8270 by SIM	Fluoranthene	UG/KG	11.4	UJ	1.1	J	12	UJ	12.4	UJ	11.5	UJ	11.8	UJ
EPA 8270 by SIM	Fluorene	UG/KG	11.4	UJ	12	UJ	12	UJ	12.4	UJ	11.5	UJ	11.8	UJ
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.4	UJ	12	UJ	12	UJ	12.4	U	11.5	UJ	11.8	UJ
EPA 8270 by SIM	Naphthalene	UG/KG	11.4	UJ	12	UJ	12	UJ	12.4	U	11.5	UJ	11.8	UJ
EPA 8270 by SIM	Phenanthrene	UG/KG	80.6	J	12	UJ	12	UJ	12.4	UJ	11.5	UJ	11.8	UJ
EPA 8270 by SIM	Pyrene	UG/KG	11.9	J	12	UJ	12	UJ	12.4	UJ	11.5	UJ	11.8	UJ

Notes:

UG/KG = microgram per kilogram

Qualifiers-

U = not detected at the reporting limit

UJ = not detected at the reporting limit, estimated

UR = result is rejected

J = result reported is estimated

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-11		SB-11		SB-12		SB-12		SB-12		SB-12	
		Field Sample ID:	SB-11-14-15		SB-503		SB-12-2-3		SB-12-9-10		SB-12-14-15		SB-504	
		Date:	11/19/13		11/19/13		11/20/13		11/20/13		11/20/13		11/20/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
ASTM D2974-87	Percent Moisture	%	20.1		20.9		10.1		10.8		21.7		21.8	
EPA 8260	1,1,1-Trichloroethane	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	2.7	J
EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	1,1,2-Trichloroethane	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	1,1-Dichloroethane	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	1,1-Dichloroethene	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	1,2,3-Trichlorobenzene	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	1,2,4-Trichlorobenzene	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	1,2-Dibromoethane	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	1,2-Dichlorobenzene	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	1,2-Dichloroethane	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	1,2-Dichloropropane	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	1,3-Dichlorobenzene	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	1,4-Dichlorobenzene	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	1,4-Dioxane	UG/KG	187		159	U	146	U	164	U	4080	U	164	U
EPA 8260	2-Butanone	UG/KG	114	U	106	U	97.6	U	32.3	J	2720	U	38.2	J
EPA 8260	2-Hexanone	UG/KG	57.1	U	53	U	48.8	U	54.7	U	1360	U	54.6	U
EPA 8260	4-Methyl-2-pentanone	UG/KG	57.1	U	53	U	48.8	U	54.7	U	1360	U	54.6	U
EPA 8260	Acetic acid, methyl ester	UG/KG	11.4	U	10.6	U	9.8	U	10.9	U	410	J	10.9	UJ
EPA 8260	Acetone	UG/KG	62.6	J	34.7	J	128		219		2720	U	279	
EPA 8260	Benzene	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	Bromochloromethane	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	Bromodichloromethane	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	Bromoform	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	Bromomethane	UG/KG	11.4	U	10.6	UJ	9.8	U	10.9	U	272	U	10.9	UJ
EPA 8260	Carbon disulfide	UG/KG	11.4	U	10.6	U	9.8	U	10.9	U	272	U	10.9	U
EPA 8260	Carbon tetrachloride	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	Chlorobenzene	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	Chlorodibromomethane	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	Chloroethane	UG/KG	11.4	U	10.6	U	9.8	U	10.9	U	272	U	10.9	U
EPA 8260	Chloroform	UG/KG	2.3	J	2.6	J	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	Chloromethane	UG/KG	11.4	U	10.6	U	9.8	U	10.9	U	272	U	10.9	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-11		SB-11		SB-12		SB-12		SB-12		SB-12	
		Field Sample ID:	SB-11-14-15		SB-503		SB-12-2-3		SB-12-9-10		SB-12-14-15		SB-504	
		Date:	11/19/13		11/19/13		11/20/13		11/20/13		11/20/13		11/20/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8260	Cis-1,2-Dichloroethene	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	cis-1,3-Dichloropropene	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	Cyclohexane	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	Dichlorodifluoromethane	UG/KG	11.4	U	10.6	U	9.8	U	10.9	U	272	U	10.9	U
EPA 8260	Ethyl benzene	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	Isopropylbenzene	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	Methyl cyclohexane	UG/KG	11.4	U	10.6	U	9.8	U	10.9	U	272	U	10.9	U
EPA 8260	Methyl Tertbutyl Ether	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	Methylene chloride	UG/KG	22.8	U	21.2	U	19.5	U	21.9	U	544	U	21.9	U
EPA 8260	Styrene	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	Tetrachloroethene	UG/KG	5.7	U	5.3	UJ	4.9	U	5.5	U	136	U	5.5	UJ
EPA 8260	Toluene	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	trans-1,2-Dichloroethene	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	trans-1,3-Dichloropropene	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	Trichloroethene	UG/KG	50.1		67.8		4.9	U	5.5	U	136	U	16.2	
EPA 8260	Trichlorofluoromethane	UG/KG	5.7	U	5.3	UJ	4.9	U	5.5	U	136	U	5.5	UJ
EPA 8260	Vinyl chloride	UG/KG	11.4	U	10.6	U	9.8	U	10.9	U	272	U	10.9	U
EPA 8260	Xylene, o	UG/KG	5.7	U	5.3	U	4.9	U	5.5	U	136	U	5.5	U
EPA 8260	Xylenes (m&p)	UG/KG	11.4	U	10.6	U	9.8	U	10.9	U	272	U	10.9	U
EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	413	U	417	U	367	UJ	370	UJ	421	U	422	U
EPA 8270	2,4,5-Trichlorophenol	UG/KG	413	U	417	U	367	UJ	370	UJ	421	U	422	U
EPA 8270	2,4,6-Trichlorophenol	UG/KG	413	U	417	U	367	UJ	370	UJ	421	U	422	U
EPA 8270	2,4-Dichlorophenol	UG/KG	413	U	417	U	367	UJ	370	UJ	421	U	422	U
EPA 8270	2,4-Dimethylphenol	UG/KG	413	U	417	U	367	UJ	370	UJ	421	U	422	U
EPA 8270	2,4-Dinitrophenol	UG/KG	2060	U	2090	U	1830	UJ	1850	UJ	2110	U	2110	U
EPA 8270	2,4-Dinitrotoluene	UG/KG	413	U	417	U	367	UJ	370	UJ	421	U	422	U
EPA 8270	2,6-Dinitrotoluene	UG/KG	413	U	417	U	367	UJ	370	UJ	421	U	422	U
EPA 8270	2-Chloronaphthalene	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	2-Chlorophenol	UG/KG	413	U	417	U	367	UJ	370	UJ	421	U	422	U
EPA 8270	2-Methylphenol	UG/KG	413	U	417	U	367	UJ	370	UJ	421	U	422	U
EPA 8270	2-Nitroaniline	UG/KG	2060	UJ	2090	UJ	1830	UJ	1850	UJ	2110	UJ	2110	UJ
EPA 8270	2-Nitrophenol	UG/KG	413	U	417	U	367	UJ	370	UJ	421	U	422	U
EPA 8270	3 & 4 Methylphenol	UG/KG	413	U	417	U	367	UJ	370	UJ	421	U	422	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-11		SB-11		SB-12		SB-12		SB-12		SB-12	
		Field Sample ID:	SB-11-14-15		SB-503		SB-12-2-3		SB-12-9-10		SB-12-14-15		SB-504	
		Date:	11/19/13		11/19/13		11/20/13		11/20/13		11/20/13		11/20/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2060	UJ	2090	UJ	1830	UJ	1850	UJ	2110	UJ	2110	UJ
EPA 8270	3-Nitroaniline	UG/KG	2060	UJ	2090	UJ	1830	UJ	1850	UJ	2110	UJ	2110	UJ
EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	826	U	834	U	734	UJ	740	UJ	843	U	844	U
EPA 8270	4-Bromophenyl phenyl ether	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	4-Chloro-3-methylphenol	UG/KG	826	U	834	U	734	UJ	740	UJ	843	U	844	U
EPA 8270	4-Chloroaniline	UG/KG	2060	UJ	2090	UJ	1830	UJ	1850	UJ	2110	UJ	2110	UJ
EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	4-Nitroaniline	UG/KG	826	UJ	834	UJ	734	UJ	740	UJ	843	UJ	844	UJ
EPA 8270	4-Nitrophenol	UG/KG	2060	U	2090	U	1830	UJ	1850	UJ	2110	U	2110	U
EPA 8270	Acetophenone	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Atrazine	UG/KG	826	UJ	834	UJ	734	UJ	740	UJ	843	UJ	844	UJ
EPA 8270	Benzaldehyde	UG/KG	826	UR	834	UR	734	UR	740	UR	843	UR	844	UR
EPA 8270	Biphenyl	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Butylbenzylphthalate	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Caprolactam	UG/KG	413	U	417	U	367	UJ	370	UJ	421	U	422	U
EPA 8270	Carbazole	UG/KG	413	U	417	U	367	UJ	370	UJ	421	U	422	U
EPA 8270	Di-n-butylphthalate	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Di-n-octylphthalate	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Dibenzofuran	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Diethylphthalate	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Dimethylphthalate	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Hexachlorobenzene	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Hexachlorobutadiene	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Hexachlorocyclopentadiene	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Hexachloroethane	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Isophorone	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	N-Nitrosodiphenylamine	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Nitrobenzene	UG/KG	413	UJ	417	UJ	367	UJ	370	UJ	421	UJ	422	UJ
EPA 8270	Pentachlorophenol	UG/KG	2060	UJ	2090	UJ	1830	UJ	1850	UJ	2110	UJ	2110	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-11		SB-11		SB-12		SB-12		SB-12		SB-12	
		Field Sample ID:	SB-11-14-15		SB-503		SB-12-2-3		SB-12-9-10		SB-12-14-15		SB-504	
		Date:	11/19/13		11/19/13		11/20/13		11/20/13		11/20/13		11/20/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	Phenol	UG/KG	413	U	417	U	367	UJ	370	UJ	421	U	422	U
EPA 8270 by SIM	1-Methylnaphthalene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	12.8	UJ	12.8	UJ
EPA 8270 by SIM	2-Methylnaphthalene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	12.8	UJ	12.8	UJ
EPA 8270 by SIM	Acenaphthene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	12.8	UJ	12.8	UJ
EPA 8270 by SIM	Acenaphthylene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	3.5	J	12.8	UJ
EPA 8270 by SIM	Anthracene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	12.8	UJ	12.8	UJ
EPA 8270 by SIM	Benzo(a)anthracene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	12.8	UJ	12.8	UJ
EPA 8270 by SIM	Benzo(a)pyrene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	12.8	UJ	12.8	UJ
EPA 8270 by SIM	Benzo(b)fluoranthene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	12.8	UJ	12.8	UJ
EPA 8270 by SIM	Benzo(ghi)perylene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	12.8	UJ	12.8	UJ
EPA 8270 by SIM	Benzo(k)fluoranthene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	12.8	UJ	12.8	UJ
EPA 8270 by SIM	Chrysene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	12.8	UJ	12.8	UJ
EPA 8270 by SIM	Dibenz(a,h)anthracene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	12.8	UJ	12.8	UJ
EPA 8270 by SIM	Fluoranthene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	12.8	UJ	12.8	UJ
EPA 8270 by SIM	Fluorene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	6.3	J	12.8	UJ
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	12.8	UJ	12.8	UJ
EPA 8270 by SIM	Naphthalene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	12.8	UJ	12.8	UJ
EPA 8270 by SIM	Phenanthrene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	12.8	UJ	12.8	UJ
EPA 8270 by SIM	Pyrene	UG/KG	12.5	UJ	12.6	UJ	11.1	UJ	11.2	UJ	13.4	J	15.4	J

Notes:
UG/KG = microgram per kilogram
Qualifiers-
U = not detected at the reporting limit
UJ = not detected at the reporting limit, estimated
UR = result is rejected
J = result reported is estimated

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-13		SB-13		SB-13		SB-14		SB-14		SB-14	
		Field Sample ID:	SB-13-2-3		SB-13-5-6		SB-13-10-11		SB-14-3-4		SB-14-7-8		SB-14-10-11	
		Date:	11/19/13		11/19/13		11/19/13		11/19/13		11/19/13		11/19/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
ASTM D2974-87	Percent Moisture	%	17.9		14.7		17		20		12.9		13.6	
EPA 8260	1,1,1-Trichloroethane	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	1,1,2-Trichloroethane	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	1,1-Dichloroethane	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	1,1-Dichloroethene	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	1,2,3-Trichlorobenzene	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	1,2,4-Trichlorobenzene	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	1,2-Dibromoethane	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	1,2-Dichlorobenzene	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	1,2-Dichloroethane	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	1,2-Dichloropropane	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	1,3-Dichlorobenzene	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	1,4-Dichlorobenzene	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	2.1	J
EPA 8260	1,4-Dioxane	UG/KG	161	U	146	U	162	U	146	U	158	U	158	U
EPA 8260	2-Butanone	UG/KG	107	U	97.2	U	108	U	97.5	U	105	U	105	U
EPA 8260	2-Hexanone	UG/KG	53.6	U	48.6	U	54.1	U	48.8	U	52.7	U	52.6	U
EPA 8260	4-Methyl-2-pentanone	UG/KG	53.6	U	48.6	U	54.1	U	48.8	U	52.7	U	52.6	U
EPA 8260	Acetic acid, methyl ester	UG/KG	10.7	U	9.7	U	10.8	U	9.8	U	10.5	U	10.5	U
EPA 8260	Acetone	UG/KG	46.5	J	29.5	J	22.1	J	72	J	30.5	J	49.8	J
EPA 8260	Benzene	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	Bromochloromethane	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	Bromodichloromethane	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	Bromoform	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	Bromomethane	UG/KG	10.7	UJ	9.7	UJ	10.8	UJ	9.8	UJ	10.5	UJ	10.5	U
EPA 8260	Carbon disulfide	UG/KG	10.7	U	9.7	U	10.8	U	9.8	U	10.5	U	10.5	U
EPA 8260	Carbon tetrachloride	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	Chlorobenzene	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	Chlorodibromomethane	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	Chloroethane	UG/KG	10.7	U	9.7	U	10.8	U	9.8	U	10.5	U	10.5	U
EPA 8260	Chloroform	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	Chloromethane	UG/KG	10.7	U	9.7	U	10.8	U	9.8	U	10.5	U	10.5	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-13		SB-13		SB-13		SB-14		SB-14		SB-14	
		Field Sample ID:	SB-13-2-3		SB-13-5-6		SB-13-10-11		SB-14-3-4		SB-14-7-8		SB-14-10-11	
		Date:	11/19/13		11/19/13		11/19/13		11/19/13		11/19/13		11/19/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8260	Cis-1,2-Dichloroethene	UG/KG	5.4	U	4.9	U	5.4	U	6.9		2.2	J	3.8	J
EPA 8260	cis-1,3-Dichloropropene	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	Cyclohexane	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	Dichlorodifluoromethane	UG/KG	10.7	U	9.7	U	10.8	U	9.8	U	10.5	U	10.5	U
EPA 8260	Ethyl benzene	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	Isopropylbenzene	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	Methyl cyclohexane	UG/KG	1.6	J	9.7	U	10.8	U	9.8	U	10.5	U	10.5	U
EPA 8260	Methyl Tertbutyl Ether	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	Methylene chloride	UG/KG	21.4	U	19.4	U	21.6	U	19.5	U	21.1	U	21	U
EPA 8260	Styrene	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	Tetrachloroethene	UG/KG	5.4	UJ	4.9	UJ	5.4	UJ	4.9	UJ	5.3	UJ	5.3	U
EPA 8260	Toluene	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	trans-1,2-Dichloroethene	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	trans-1,3-Dichloropropene	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	Trichloroethene	UG/KG	17.3		4.9	U	3.3	J	52		7.3		7.2	
EPA 8260	Trichlorofluoromethane	UG/KG	5.4	UJ	4.9	UJ	5.4	UJ	4.9	UJ	5.3	UJ	5.3	U
EPA 8260	Vinyl chloride	UG/KG	10.7	U	9.7	U	10.8	U	9.8	U	10.5	U	10.5	U
EPA 8260	Xylene, o	UG/KG	5.4	U	4.9	U	5.4	U	4.9	U	5.3	U	5.3	U
EPA 8260	Xylenes (m&p)	UG/KG	10.7	U	9.7	U	10.8	U	9.8	U	10.5	U	10.5	U
EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	402	U	387	U	397	U	413	U	379	UJ	382	UJ
EPA 8270	2,4,5-Trichlorophenol	UG/KG	402	U	387	U	397	U	413	U	379	UJ	382	UJ
EPA 8270	2,4,6-Trichlorophenol	UG/KG	402	U	387	U	397	U	413	U	379	UJ	382	UJ
EPA 8270	2,4-Dichlorophenol	UG/KG	402	U	387	U	397	U	413	U	379	UJ	382	UJ
EPA 8270	2,4-Dimethylphenol	UG/KG	402	U	387	U	397	U	413	U	379	UJ	382	UJ
EPA 8270	2,4-Dinitrophenol	UG/KG	2010	U	1930	U	1990	UJ	2060	U	1890	UJ	1910	UJ
EPA 8270	2,4-Dinitrotoluene	UG/KG	402	U	387	U	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	2,6-Dinitrotoluene	UG/KG	402	U	387	U	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	2-Chloronaphthalene	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	2-Chlorophenol	UG/KG	402	U	387	U	397	U	413	U	379	UJ	382	UJ
EPA 8270	2-Methylphenol	UG/KG	402	U	387	U	397	U	413	U	379	UJ	382	UJ
EPA 8270	2-Nitroaniline	UG/KG	2010	UJ	1930	UJ	1990	UJ	2060	UJ	1890	UJ	1910	UJ
EPA 8270	2-Nitrophenol	UG/KG	402	U	387	U	397	U	413	U	379	UJ	382	UJ
EPA 8270	3 & 4 Methylphenol	UG/KG	402	U	387	U	397	U	413	U	379	UJ	382	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-13		SB-13		SB-13		SB-14		SB-14		SB-14	
		Field Sample ID:	SB-13-2-3		SB-13-5-6		SB-13-10-11		SB-14-3-4		SB-14-7-8		SB-14-10-11	
		Date:	11/19/13		11/19/13		11/19/13		11/19/13		11/19/13		11/19/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2010	UJ	1930	UJ	1990	UJ	2060	UJ	1890	UJ	1910	UJ
EPA 8270	3-Nitroaniline	UG/KG	2010	UJ	1930	UJ	1990	UJ	2060	UJ	1890	UJ	1910	UJ
EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	804	U	774	U	795	U	825	U	758	UJ	764	UJ
EPA 8270	4-Bromophenyl phenyl ether	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	4-Chloro-3-methylphenol	UG/KG	804	U	774	U	795	UJ	825	U	758	UJ	764	UJ
EPA 8270	4-Chloroaniline	UG/KG	2010	UJ	1930	UJ	1990	UJ	2060	UJ	1890	UJ	1910	UJ
EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	402	UJ	387	UJ	397	UJ	413	U	379	UJ	382	UJ
EPA 8270	4-Nitroaniline	UG/KG	804	UJ	774	UJ	795	UJ	825	U	758	UJ	764	UJ
EPA 8270	4-Nitrophenol	UG/KG	2010	U	1930	U	1990	U	2060	U	1890	UJ	1910	UJ
EPA 8270	Acetophenone	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	Atrazine	UG/KG	804	UJ	774	UJ	795	UJ	825	UJ	758	UJ	764	UJ
EPA 8270	Benzaldehyde	UG/KG	804	UR	774	UR	795	UR	825	UR	758	UR	764	UR
EPA 8270	Biphenyl	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	402	UJ	387	UJ	397	UJ	413	U	379	UJ	382	UJ
EPA 8270	Butylbenzylphthalate	UG/KG	402	UJ	387	UJ	397	UJ	413	U	379	UJ	382	UJ
EPA 8270	Caprolactam	UG/KG	402	U	387	U	397	U	413	UJ	379	UJ	382	UJ
EPA 8270	Carbazole	UG/KG	402	U	387	U	397	U	413	UJ	379	UJ	382	UJ
EPA 8270	Di-n-butylphthalate	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	Di-n-octylphthalate	UG/KG	402	UJ	387	UJ	397	UJ	413	U	379	UJ	382	UJ
EPA 8270	Dibenzofuran	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	Diethylphthalate	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	Dimethylphthalate	UG/KG	402	UJ	387	UJ	397	UJ	413	U	379	UJ	382	UJ
EPA 8270	Hexachlorobenzene	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	Hexachlorobutadiene	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	Hexachlorocyclopentadiene	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	Hexachloroethane	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	Isophorone	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	N-Nitrosodiphenylamine	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	Nitrobenzene	UG/KG	402	UJ	387	UJ	397	UJ	413	UJ	379	UJ	382	UJ
EPA 8270	Pentachlorophenol	UG/KG	2010	UJ	1930	UJ	1990	UJ	2060	UJ	1890	UJ	1910	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-13		SB-13		SB-13		SB-14		SB-14		SB-14	
		Field Sample ID:	SB-13-2-3		SB-13-5-6		SB-13-10-11		SB-14-3-4		SB-14-7-8		SB-14-10-11	
		Date:	11/19/13		11/19/13		11/19/13		11/19/13		11/19/13		11/19/13	
Method	**Parameter**	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
EPA 8270	Phenol	UG/KG	402	U	387	U	397	UJ	413	U	379	UJ	382	UJ
EPA 8270 by SIM	1-Methylnaphthalene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	125	U	11.5	UJ	11.6	UJ
EPA 8270 by SIM	2-Methylnaphthalene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	125	U	11.5	UJ	11.6	UJ
EPA 8270 by SIM	Acenaphthene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	125	U	11.5	UJ	11.6	UJ
EPA 8270 by SIM	Acenaphthylene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	125	U	11.5	UJ	11.6	UJ
EPA 8270 by SIM	Anthracene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	125	U	11.5	UJ	11.6	UJ
EPA 8270 by SIM	Benzo(a)anthracene	UG/KG	12.2	UJ	11.7	UJ	0.94	J	125	U	11.5	UJ	11.6	UJ
EPA 8270 by SIM	Benzo(a)pyrene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	125	U	11.5	UJ	11.6	UJ
EPA 8270 by SIM	Benzo(b)fluoranthene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	125	U	11.5	UJ	11.6	UJ
EPA 8270 by SIM	Benzo(ghi)perylene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	73.6	J	11.5	UJ	11.6	UJ
EPA 8270 by SIM	Benzo(k)fluoranthene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	125	U	11.5	UJ	11.6	UJ
EPA 8270 by SIM	Chrysene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	125	U	11.5	UJ	11.6	UJ
EPA 8270 by SIM	Dibenz(a,h)anthracene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	74.1	J	11.5	UJ	11.6	UJ
EPA 8270 by SIM	Fluoranthene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	125	U	11.5	UJ	11.6	UJ
EPA 8270 by SIM	Fluorene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	125	U	11.5	UJ	11.6	UJ
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	70.8	J	11.5	UJ	11.6	UJ
EPA 8270 by SIM	Naphthalene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	125	U	11.5	UJ	11.6	UJ
EPA 8270 by SIM	Phenanthrene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	125	U	11.5	UJ	11.6	UJ
EPA 8270 by SIM	Pyrene	UG/KG	12.2	UJ	11.7	UJ	12	UJ	125	U	11.5	UJ	11.6	UJ

Notes:
UG/KG = microgram per kilogram
Qualifiers-
U = not detected at the reporting limit
UJ = not detected at the reporting limit, estimated
UR = result is rejected
J = result reported is estimated

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-15		SB-15		SB-15		SB-16		SB-16		SB-16	
		Field Sample ID:	SB-15-4-5		SB-15-7-8		SB-15-11-12		SB-16-4-5		SB-16-7-8		SB-16-10-11	
		Date:	11/19/13		11/19/13		11/19/13		11/19/13		11/19/13		11/19/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
ASTM D2974-87	Percent Moisture	%	12.5		12.1		17.8		13.7		18.3		22.4	
EPA 8260	1,1,1-Trichloroethane	UG/KG	432		5	U	2.5	J	5.3	U	4.9	U	5.4	U
EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	1,1,2-Trichloroethane	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	1,1-Dichloroethane	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	1,1-Dichloroethene	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	1,2,3-Trichlorobenzene	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	1,2,4-Trichlorobenzene	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	1,2-Dibromoethane	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	1,2-Dichlorobenzene	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	1,2-Dichloroethane	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	1,2-Dichloropropane	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	1,3-Dichlorobenzene	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	1,4-Dichlorobenzene	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	1,4-Dioxane	UG/KG	4040	U	150	U	170	U	159	U	146	U	163	U
EPA 8260	2-Butanone	UG/KG	2690	U	101		113	U	106	U	97.4	U	109	U
EPA 8260	2-Hexanone	UG/KG	1350	U	12.5	J	56.6	U	53	U	48.7	U	54.4	U
EPA 8260	4-Methyl-2-pentanone	UG/KG	1350	U	50	U	56.6	U	53	U	48.7	U	54.4	U
EPA 8260	Acetic acid, methyl ester	UG/KG	760		10	U	11.3	U	10.6	U	9.7	U	10.9	U
EPA 8260	Acetone	UG/KG	476	J	498	J	66.8	J	44.5	J	72.4	J	80.7	J
EPA 8260	Benzene	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	Bromochloromethane	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	Bromodichloromethane	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	Bromoform	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	Bromomethane	UG/KG	269	UJ	10	U	11.3	UJ	10.6	UJ	9.7	UJ	10.9	UJ
EPA 8260	Carbon disulfide	UG/KG	269	U	10	U	11.3	U	10.6	U	9.7	U	10.9	U
EPA 8260	Carbon tetrachloride	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	Chlorobenzene	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	Chlorodibromomethane	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	Chloroethane	UG/KG	269	U	10	U	11.3	U	10.6	U	9.7	U	10.9	U
EPA 8260	Chloroform	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	Chloromethane	UG/KG	269	U	10	U	11.3	U	10.6	U	9.7	U	10.9	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-15		SB-15		SB-15		SB-16		SB-16		SB-16	
		Field Sample ID:	SB-15-4-5		SB-15-7-8		SB-15-11-12		SB-16-4-5		SB-16-7-8		SB-16-10-11	
		Date:	11/19/13		11/19/13		11/19/13		11/19/13		11/19/13		11/19/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8260	Cis-1,2-Dichloroethene	UG/KG	219		5.8		19.1		7.1		12.2		4.7	J
EPA 8260	cis-1,3-Dichloropropene	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	Cyclohexane	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	Dichlorodifluoromethane	UG/KG	269	U	10	U	11.3	U	10.6	U	9.7	U	10.9	U
EPA 8260	Ethyl benzene	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	Isopropylbenzene	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	Methyl cyclohexane	UG/KG	269	U	10	U	11.3	U	10.6	U	9.7	U	10.9	U
EPA 8260	Methyl Tertbutyl Ether	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	Methylene chloride	UG/KG	538	U	20	U	22.6	U	21.2	U	19.5	U	21.7	U
EPA 8260	Styrene	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	Tetrachloroethene	UG/KG	299	J	5	U	5.7	UJ	5.3	UJ	4.9	UJ	5.4	UJ
EPA 8260	Toluene	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	trans-1,2-Dichloroethene	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	trans-1,3-Dichloropropene	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	Trichloroethene	UG/KG	14800		34.7		127		1010		972		495	
EPA 8260	Trichlorofluoromethane	UG/KG	135	UJ	5	U	5.7	UJ	5.3	UJ	4.9	UJ	5.4	UJ
EPA 8260	Vinyl chloride	UG/KG	269	U	10	U	11.3	U	10.6	U	9.7	U	10.9	U
EPA 8260	Xylene, o	UG/KG	135	U	5	U	5.7	U	5.3	U	4.9	U	5.4	U
EPA 8260	Xylenes (m&p)	UG/KG	269	U	10	U	11.3	U	10.6	U	9.7	U	10.9	U
EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	3770	U	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	3770	U	375	U	402	U	382	UJ	404	U	426	UJ
EPA 8270	2,4,5-Trichlorophenol	UG/KG	3770	UJ	375	U	402	U	382	UJ	404	U	426	UJ
EPA 8270	2,4,6-Trichlorophenol	UG/KG	3770	UJ	375	U	402	U	382	UJ	404	U	426	UJ
EPA 8270	2,4-Dichlorophenol	UG/KG	3770	U	375	U	402	U	382	UJ	404	U	426	UJ
EPA 8270	2,4-Dimethylphenol	UG/KG	3770	U	375	U	402	U	382	UJ	404	U	426	UJ
EPA 8270	2,4-Dinitrophenol	UG/KG	18900	U	1880	U	2010	U	1910	UJ	2020	UJ	2130	UJ
EPA 8270	2,4-Dinitrotoluene	UG/KG	3770	U	375	U	402	U	382	UJ	404	UJ	426	UJ
EPA 8270	2,6-Dinitrotoluene	UG/KG	3770	UJ	375	U	402	U	382	UJ	404	UJ	426	UJ
EPA 8270	2-Chloronaphthalene	UG/KG	3770	UJ	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	2-Chlorophenol	UG/KG	3770	U	375	U	402	U	382	UJ	404	U	426	UJ
EPA 8270	2-Methylphenol	UG/KG	3770	U	375	U	402	U	382	UJ	404	U	426	UJ
EPA 8270	2-Nitroaniline	UG/KG	18900	UJ	1880	UJ	2010	UJ	1910	UJ	2020	UJ	2130	UJ
EPA 8270	2-Nitrophenol	UG/KG	3770	U	375	U	402	U	382	UJ	404	U	426	UJ
EPA 8270	3 & 4 Methylphenol	UG/KG	3770	U	375	U	402	U	382	UJ	404	U	426	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-15		SB-15		SB-15		SB-16		SB-16		SB-16	
		Field Sample ID:	SB-15-4-5		SB-15-7-8		SB-15-11-12		SB-16-4-5		SB-16-7-8		SB-16-10-11	
		Date:	11/19/13		11/19/13		11/19/13		11/19/13		11/19/13		11/19/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	3,3'-Dichlorobenzidine	UG/KG	18900	UJ	1880	UJ	2010	UJ	1910	UJ	2020	UJ	2130	UJ
EPA 8270	3-Nitroaniline	UG/KG	18900	UJ	1880	UJ	2010	UJ	1910	UJ	2020	UJ	2130	UJ
EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	7540	U	751	U	803	U	765	UJ	807	U	851	UJ
EPA 8270	4-Bromophenyl phenyl ether	UG/KG	3770	U	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	4-Chloro-3-methylphenol	UG/KG	7540	UJ	751	U	803	U	765	UJ	807	UJ	851	UJ
EPA 8270	4-Chloroaniline	UG/KG	18900	UJ	1880	UJ	2010	UJ	1910	UJ	2020	UJ	2130	UJ
EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	3770	U	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	4-Nitroaniline	UG/KG	7540	U	751	UJ	803	UJ	765	UJ	807	UJ	851	UJ
EPA 8270	4-Nitrophenol	UG/KG	18900	U	1880	U	2010	U	1910	UJ	2020	U	2130	UJ
EPA 8270	Acetophenone	UG/KG	3770	UJ	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Atrazine	UG/KG	7540	U	751	UJ	803	UJ	765	UJ	807	UJ	851	UJ
EPA 8270	Benzaldehyde	UG/KG	7540	UR	751	UR	803	UR	765	UR	807	UR	851	UR
EPA 8270	Biphenyl	UG/KG	3770	UJ	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	3770	U	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	3770	U	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	3770	U	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	3770	U	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Butylbenzylphthalate	UG/KG	3770	U	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Caprolactam	UG/KG	3770	U	375	U	402	U	382	UJ	404	U	426	UJ
EPA 8270	Carbazole	UG/KG	3770	U	375	U	402	U	382	UJ	404	U	426	UJ
EPA 8270	Di-n-butylphthalate	UG/KG	3770	U	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Di-n-octylphthalate	UG/KG	3770	U	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Dibenzofuran	UG/KG	3770	UJ	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Diethylphthalate	UG/KG	3770	U	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Dimethylphthalate	UG/KG	3770	UJ	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Hexachlorobenzene	UG/KG	3770	UJ	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Hexachlorobutadiene	UG/KG	3770	UJ	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Hexachlorocyclopentadiene	UG/KG	3770	UJ	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Hexachloroethane	UG/KG	3770	U	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Isophorone	UG/KG	3770	UJ	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	3770	UJ	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	N-Nitrosodiphenylamine	UG/KG	3770	UJ	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Nitrobenzene	UG/KG	3770	U	375	UJ	402	UJ	382	UJ	404	UJ	426	UJ
EPA 8270	Pentachlorophenol	UG/KG	18900	UJ	1880	UJ	2010	UJ	1910	UJ	2020	UJ	2130	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-15		SB-15		SB-15		SB-16		SB-16		SB-16	
		Field Sample ID:	SB-15-4-5		SB-15-7-8		SB-15-11-12		SB-16-4-5		SB-16-7-8		SB-16-10-11	
		Date:	11/19/13		11/19/13		11/19/13		11/19/13		11/19/13		11/19/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	Phenol	UG/KG	3770	U	375	U	402	U	382	UJ	404	UJ	426	UJ
EPA 8270 by SIM	1-Methylnaphthalene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	2-Methylnaphthalene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	Acenaphthene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	Acenaphthylene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	Anthracene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	Benzo(a)anthracene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	Benzo(a)pyrene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	Benzo(b)fluoranthene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	Benzo(ghi)perylene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	Benzo(k)fluoranthene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	Chrysene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	Dibenz(a,h)anthracene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	Fluoranthene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	Fluorene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	Naphthalene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	Phenanthrene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ
EPA 8270 by SIM	Pyrene	UG/KG	572	U	11.4	UJ	12.2	UJ	11.6	UJ	12.2	UJ	12.9	UJ

Notes:
UG/KG = microgram per kilogram
Qualifiers-
U = not detected at the reporting limit
UJ = not detected at the reporting limit, estimated
UR = result is rejected
J = result reported is estimated

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-17		SB-17		SB-17		SB-18		SB-18		SB-18	
		Field Sample ID:	SB-17-0-1		SB-17-9-10		SB-17-13-14		SB-18-4-5		SB-18-5-6		SB-18-10-12	
		Date:	11/12/13		11/12/13		11/12/13		11/13/13		11/13/13		11/13/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
ASTM D2974-87	Percent Moisture	%	20.6		9		22.2		15.1		15.7		21.4	
EPA 8260	1,1,1-Trichloroethane	UG/KG	19.5		5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	5.1	UJ	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	1,1,2-Trichloroethane	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	1,1-Dichloroethane	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	1,1-Dichloroethene	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	1,2,3-Trichlorobenzene	UG/KG	5.1	UJ	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	1,2,4-Trichlorobenzene	UG/KG	5.1	UJ	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	5.1	UJ	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	1,2-Dibromoethane	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	1,2-Dichlorobenzene	UG/KG	5.1	UJ	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	1,2-Dichloroethane	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	1,2-Dichloropropane	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	1,3-Dichlorobenzene	UG/KG	5.1	UJ	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	1,4-Dichlorobenzene	UG/KG	5.1	UJ	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	1,4-Dioxane	UG/KG	153	U	156	UJ	154	U	138	U	147	U	166	U
EPA 8260	2-Butanone	UG/KG	21.3	J	44.6	J	103	U	92	U	97.9	U	111	U
EPA 8260	2-Hexanone	UG/KG	51.1	U	52	UJ	51.3	U	46	U	49	U	55.3	U
EPA 8260	4-Methyl-2-pentanone	UG/KG	51.1	U	52	UJ	51.3	U	46	U	49	U	55.3	U
EPA 8260	Acetic acid, methyl ester	UG/KG	10.2	U	10.4	UJ	10.3	U	9.2	U	9.8	U	11.1	U
EPA 8260	Acetone	UG/KG	106		195	J	48.5	J	135		192		134	J
EPA 8260	Benzene	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Bromochloromethane	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Bromodichloromethane	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Bromoform	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Bromomethane	UG/KG	10.2	U	10.4	UJ	10.3	U	9.2	U	9.8	U	11.1	U
EPA 8260	Carbon disulfide	UG/KG	10.2	U	10.4	UJ	10.3	U	9.2	U	9.8	U	11.1	U
EPA 8260	Carbon tetrachloride	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Chlorobenzene	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Chlorodibromomethane	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Chloroethane	UG/KG	10.2	U	10.4	UJ	10.3	U	9.2	U	9.8	U	11.1	U
EPA 8260	Chloroform	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Chloromethane	UG/KG	10.2	U	10.4	UJ	10.3	U	9.2	U	9.8	U	11.1	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-17		SB-17		SB-17		SB-18		SB-18		SB-18	
		Field Sample ID:	SB-17-0-1		SB-17-9-10		SB-17-13-14		SB-18-4-5		SB-18-5-6		SB-18-10-12	
		Date:	11/12/13		11/12/13		11/12/13		11/13/13		11/13/13		11/13/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8260	Cis-1,2-Dichloroethene	UG/KG	4.1	J	5.2	UJ	5.1	U	5.5		4.9	U	9.2	J
EPA 8260	cis-1,3-Dichloropropene	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Cyclohexane	UG/KG	5.1	UJ	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Dichlorodifluoromethane	UG/KG	10.2	U	10.4	UJ	10.3	U	9.2	U	9.8	U	11.1	U
EPA 8260	Ethyl benzene	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Isopropylbenzene	UG/KG	5.1	UJ	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Methyl cyclohexane	UG/KG	10.2	U	10.4	UJ	10.3	U	9.2	U	9.8	U	11.1	U
EPA 8260	Methyl Tertbutyl Ether	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Methylene chloride	UG/KG	20.4	U	4.1	J	20.5	U	18.4	U	19.6	U	22.1	U
EPA 8260	Styrene	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Tetrachloroethene	UG/KG	12.8		5.2	UJ	2.3	J	4.6	U	4.9	U	5.5	U
EPA 8260	Toluene	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	trans-1,2-Dichloroethene	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	trans-1,3-Dichloropropene	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Trichloroethene	UG/KG	883		929	J	3110		57.7		14		191	J
EPA 8260	Trichlorofluoromethane	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Vinyl chloride	UG/KG	10.2	U	10.4	UJ	10.3	U	9.2	U	9.8	U	11.1	U
EPA 8260	Xylene, o	UG/KG	5.1	U	5.2	UJ	5.1	U	4.6	U	4.9	U	5.5	U
EPA 8260	Xylenes (m&p)	UG/KG	10.2	U	10.4	UJ	10.3	U	9.2	U	9.8	U	11.1	U
EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	2,4,5-Trichlorophenol	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	2,4,6-Trichlorophenol	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	2,4-Dichlorophenol	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	2,4-Dimethylphenol	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	2,4-Dinitrophenol	UG/KG	104000	UJ	1810	UJ	2120	UJ	1940	UJ	1960	UJ	2100	UJ
EPA 8270	2,4-Dinitrotoluene	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	2,6-Dinitrotoluene	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	2-Chloronaphthalene	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	2-Chlorophenol	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	2-Methylphenol	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	2-Nitroaniline	UG/KG	104000	U	1810	UJ	2120	UJ	1940	UJ	1960	UJ	2100	UJ
EPA 8270	2-Nitrophenol	UG/KG	20800	UJ	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	3 & 4 Methylphenol	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-17		SB-17		SB-17		SB-18		SB-18		SB-18	
		Field Sample ID:	SB-17-0-1		SB-17-9-10		SB-17-13-14		SB-18-4-5		SB-18-5-6		SB-18-10-12	
		Date:	11/12/13		11/12/13		11/12/13		11/13/13		11/13/13		11/13/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	3,3'-Dichlorobenzidine	UG/KG	104000	UJ	1810	UJ	2120	UJ	1940	UJ	1960	UJ	2100	UJ
EPA 8270	3-Nitroaniline	UG/KG	104000	U	1810	UJ	2120	UJ	1940	UJ	1960	UJ	2100	UJ
EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	41600	U	725	UJ	848	UJ	777	UJ	783	UJ	840	UJ
EPA 8270	4-Bromophenyl phenyl ether	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	4-Chloro-3-methylphenol	UG/KG	41600	U	725	UJ	848	UJ	777	UJ	783	UJ	840	UJ
EPA 8270	4-Chloroaniline	UG/KG	104000	UJ	1810	UJ	2120	UJ	1940	UJ	1960	UJ	2100	UJ
EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	4-Nitroaniline	UG/KG	41600	U	725	UJ	848	UJ	777	UJ	783	UJ	840	UJ
EPA 8270	4-Nitrophenol	UG/KG	104000	U	1810	UJ	2120	UJ	1940	UJ	1960	UJ	2100	UJ
EPA 8270	Acetophenone	UG/KG	20800	UJ	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Atrazine	UG/KG	41600	U	725	UJ	848	UJ	777	UJ	783	UJ	840	UJ
EPA 8270	Benzaldehyde	UG/KG	41600	UR	725	UR	848	UR	777	UR	783	UR	840	UR
EPA 8270	Biphenyl	UG/KG	20800	UJ	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Butylbenzylphthalate	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Caprolactam	UG/KG	20800	UJ	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Carbazole	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Di-n-butylphthalate	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Di-n-octylphthalate	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Dibenzofuran	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Diethylphthalate	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Dimethylphthalate	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Hexachlorobenzene	UG/KG	20800	UJ	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Hexachlorobutadiene	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Hexachlorocyclopentadiene	UG/KG	20800	UJ	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Hexachloroethane	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Isophorone	UG/KG	20800	UJ	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	20800	UJ	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	N-Nitrosodiphenylamine	UG/KG	20800	UJ	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Nitrobenzene	UG/KG	20800	UJ	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270	Pentachlorophenol	UG/KG	104000	UJ	1810	UJ	2120	UJ	1940	UJ	1960	UJ	2100	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-17		SB-17		SB-17		SB-18		SB-18		SB-18	
		Field Sample ID:	SB-17-0-1		SB-17-9-10		SB-17-13-14		SB-18-4-5		SB-18-5-6		SB-18-10-12	
		Date:	11/12/13		11/12/13		11/12/13		11/13/13		11/13/13		11/13/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	Phenol	UG/KG	20800	U	363	UJ	424	UJ	389	UJ	392	UJ	420	UJ
EPA 8270 by SIM	1-Methylnaphthalene	UG/KG	630	U	2	J	12.9	UJ	11.8	UJ	11.9	UJ	12.7	UJ
EPA 8270 by SIM	2-Methylnaphthalene	UG/KG	630	U	2.5	J	12.9	UJ	11.8	UJ	11.9	UJ	12.7	UJ
EPA 8270 by SIM	Acenaphthene	UG/KG	630	U	11	UJ	12.9	UJ	11.8	UJ	11.9	UJ	12.7	UJ
EPA 8270 by SIM	Acenaphthylene	UG/KG	630	U	11	UJ	12.9	UJ	11.8	UJ	11.9	UJ	12.7	UJ
EPA 8270 by SIM	Anthracene	UG/KG	630	U	11	UJ	12.9	UJ	11.8	UJ	11.9	UJ	12.7	UJ
EPA 8270 by SIM	Benzo(a)anthracene	UG/KG	630	U	11	UJ	12.9	UJ	11.8	U	11.9	UJ	0.93	J
EPA 8270 by SIM	Benzo(a)pyrene	UG/KG	630	U	11	UJ	12.9	UJ	11.8	U	11.9	UJ	12.7	U
EPA 8270 by SIM	Benzo(b)fluoranthene	UG/KG	630	U	11	UJ	12.9	UJ	11.8	U	11.9	UJ	12.7	U
EPA 8270 by SIM	Benzo(ghi)perylene	UG/KG	630	U	11	UJ	12.9	UJ	11.8	U	11.9	UJ	12.7	U
EPA 8270 by SIM	Benzo(k)fluoranthene	UG/KG	630	U	11	UJ	12.9	UJ	11.8	U	11.9	UJ	12.7	U
EPA 8270 by SIM	Chrysene	UG/KG	630	U	11	UJ	12.9	UJ	11.8	U	11.9	UJ	12.7	U
EPA 8270 by SIM	Dibenz(a,h)anthracene	UG/KG	630	U	11	UJ	12.9	UJ	11.8	U	11.9	UJ	12.7	U
EPA 8270 by SIM	Fluoranthene	UG/KG	630	U	11	UJ	12.9	UJ	11.8	UJ	11.9	UJ	12.7	UJ
EPA 8270 by SIM	Fluorene	UG/KG	630	U	11	UJ	12.9	UJ	11.8	UJ	11.9	UJ	12.7	UJ
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	UG/KG	630	U	11	UJ	12.9	UJ	11.8	U	11.9	UJ	12.7	U
EPA 8270 by SIM	Naphthalene	UG/KG	630	U	11	UJ	12.9	UJ	11.8	UJ	11.9	UJ	12.7	UJ
EPA 8270 by SIM	Phenanthrene	UG/KG	630	U	11	UJ	12.9	UJ	11.8	UJ	11.9	UJ	12.7	UJ
EPA 8270 by SIM	Pyrene	UG/KG	630	U	11	UJ	12.9	UJ	11.8	UJ	11.9	UJ	12.7	UJ

Notes:

UG/KG = microgram per kilogram

Qualifiers-

U = not detected at the reporting limit

UJ = not detected at the reporting limit, estimated

UR = result is rejected

J = result reported is estimated

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-18		SB-19		SB-19		SB-19		SB-20		SB-20	
		Field Sample ID:	SB-501		SB-19-2-3		SB-19-8-10		SB-19-14-15		SB-20-3-4		SB-20-9-10	
		Date:	11/13/13		11/13/13		11/13/13		11/13/13		11/20/13		11/20/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
ASTM D2974-87	Percent Moisture	%	20.2		6		13.6		20.1		14.9		10	
EPA 8260	1,1,1-Trichloroethane	UG/KG	5.3	U	5.8	U	5	U	302	J	193		2.4	J
EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	UJ	4.3	U
EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG	5.3	U	5.8	U	5	U	5.6	U	4.9	U	4.3	U
EPA 8260	1,1,2-Trichloroethane	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	1,1-Dichloroethane	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	1,1-Dichloroethene	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	1,2,3-Trichlorobenzene	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	UJ	4.3	U
EPA 8260	1,2,4-Trichlorobenzene	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	UJ	4.3	U
EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	UJ	4.3	U
EPA 8260	1,2-Dibromoethane	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	1,2-Dichlorobenzene	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	UJ	4.3	U
EPA 8260	1,2-Dichloroethane	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	1,2-Dichloropropane	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	1,3-Dichlorobenzene	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	UJ	4.3	U
EPA 8260	1,4-Dichlorobenzene	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	UJ	4.3	U
EPA 8260	1,4-Dioxane	UG/KG	158	U	174	U	151	U	167	UJ	148	U	130	U
EPA 8260	2-Butanone	UG/KG	18.4	J	116	U	64	J	88.5	J	37.5	J	86.9	U
EPA 8260	2-Hexanone	UG/KG	52.5	U	57.9	U	50.3	U	55.5	UJ	49.4	U	43.4	U
EPA 8260	4-Methyl-2-pentanone	UG/KG	52.5	U	57.9	U	50.3	U	55.5	UJ	49.4	U	43.4	U
EPA 8260	Acetic acid, methyl ester	UG/KG	10.5	U	11.6	U	4.1	J	11.1	UJ	9.9	U	8.7	U
EPA 8260	Acetone	UG/KG	394	J	88.4	J	339		292	J	274		77.3	J
EPA 8260	Benzene	UG/KG	5.3	U	5.8	U	5	U	1.9	J	4.9	U	4.3	U
EPA 8260	Bromochloromethane	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	Bromodichloromethane	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	Bromoform	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	Bromomethane	UG/KG	10.5	U	11.6	U	10.1	U	11.1	UJ	9.9	U	8.7	U
EPA 8260	Carbon disulfide	UG/KG	10.5	U	11.6	U	10.1	U	11.1	UJ	9.9	U	8.7	U
EPA 8260	Carbon tetrachloride	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	Chlorobenzene	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	Chlorodibromomethane	UG/KG	5.3	U	5.8	U	5	U	5.6	U	4.9	U	4.3	U
EPA 8260	Chloroethane	UG/KG	10.5	U	11.6	U	10.1	U	11.1	UJ	9.9	U	8.7	U
EPA 8260	Chloroform	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	Chloromethane	UG/KG	10.5	U	11.6	U	10.1	U	11.1	UJ	9.9	U	8.7	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-18		SB-19		SB-19		SB-19		SB-20		SB-20	
		Field Sample ID:	SB-501		SB-19-2-3		SB-19-8-10		SB-19-14-15		SB-20-3-4		SB-20-9-10	
		Date:	11/13/13		11/13/13		11/13/13		11/13/13		11/20/13		11/20/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8260	Cis-1,2-Dichloroethene	UG/KG	18	J	5.8	U	5	U	49.2	J	4.9	U	2	J
EPA 8260	cis-1,3-Dichloropropene	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	Cyclohexane	UG/KG	5.3	U	5.8	U	5	U	15.5	J	4.9	UJ	4.3	U
EPA 8260	Dichlorodifluoromethane	UG/KG	10.5	U	11.6	U	10.1	U	11.1	UJ	9.9	U	8.7	U
EPA 8260	Ethyl benzene	UG/KG	5.3	U	5.8	U	5	U	15.4	J	4.9	U	4.3	U
EPA 8260	Isopropylbenzene	UG/KG	5.3	U	5.8	U	5	U	27.6	J	4.9	UJ	4.3	U
EPA 8260	Methyl cyclohexane	UG/KG	10.5	U	11.6	U	10.1	U	11.1	UJ	9.9	U	8.7	U
EPA 8260	Methyl Tertbutyl Ether	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	Methylene chloride	UG/KG	21	U	23.2	U	6.3	J	9.8	J	19.8	U	17.4	U
EPA 8260	Styrene	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	Tetrachloroethene	UG/KG	5.3	U	5.8	U	5	U	117	J	8.9		4.3	U
EPA 8260	Toluene	UG/KG	5.3	U	5.8	U	5	U	4.6	J	4.9	U	4.3	U
EPA 8260	trans-1,2-Dichloroethene	UG/KG	5.3	U	5.8	U	5	U	5.6	U	4.9	U	4.3	U
EPA 8260	trans-1,3-Dichloropropene	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	Trichloroethene	UG/KG	361	J	7.5		11.4		11800	J	307		10.5	
EPA 8260	Trichlorofluoromethane	UG/KG	5.3	U	5.8	U	5	U	5.6	UJ	4.9	U	4.3	U
EPA 8260	Vinyl chloride	UG/KG	10.5	U	11.6	U	10.1	U	11.1	UJ	9.9	U	8.7	U
EPA 8260	Xylene, o	UG/KG	5.3	U	5.8	U	5	U	77.8	J	4.9	U	4.3	U
EPA 8260	Xylenes (m&p)	UG/KG	10.5	U	11.6	U	10.1	U	11.1	UJ	9.9	U	8.7	U
EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	414	UJ	351	UJ	382	UJ	20700	U	19400	U	366	UJ
EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	414	UJ	351	U	382	UJ	20700	U	19400	U	366	U
EPA 8270	2,4,5-Trichlorophenol	UG/KG	414	UJ	351	U	382	UJ	20700	U	19400	U	366	U
EPA 8270	2,4,6-Trichlorophenol	UG/KG	414	UJ	351	U	382	UJ	20700	U	19400	U	366	U
EPA 8270	2,4-Dichlorophenol	UG/KG	414	UJ	351	U	382	UJ	20700	U	19400	U	366	U
EPA 8270	2,4-Dimethylphenol	UG/KG	414	UJ	351	U	382	UJ	20700	U	19400	U	366	U
EPA 8270	2,4-Dinitrophenol	UG/KG	2070	UJ	1760	UJ	1910	UJ	103000	UJ	97000	U	1830	U
EPA 8270	2,4-Dinitrotoluene	UG/KG	414	UJ	351	UJ	382	UJ	20700	U	19400	U	366	U
EPA 8270	2,6-Dinitrotoluene	UG/KG	414	UJ	351	UJ	382	UJ	20700	U	19400	U	366	U
EPA 8270	2-Chloronaphthalene	UG/KG	414	UJ	351	UJ	382	UJ	20700	U	19400	UJ	366	UJ
EPA 8270	2-Chlorophenol	UG/KG	414	UJ	351	U	382	UJ	20700	U	19400	U	366	U
EPA 8270	2-Methylphenol	UG/KG	414	UJ	351	U	382	UJ	20700	U	19400	U	366	U
EPA 8270	2-Nitroaniline	UG/KG	2070	UJ	1760	UJ	1910	UJ	103000	U	97000	U	1830	UJ
EPA 8270	2-Nitrophenol	UG/KG	414	UJ	351	UJ	382	UJ	20700	UJ	19400	U	366	U
EPA 8270	3 & 4 Methylphenol	UG/KG	414	UJ	351	U	382	UJ	20700	U	19400	U	366	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-18		SB-19		SB-19		SB-19		SB-20		SB-20	
		Field Sample ID:	SB-501		SB-19-2-3		SB-19-8-10		SB-19-14-15		SB-20-3-4		SB-20-9-10	
		Date:	11/13/13		11/13/13		11/13/13		11/13/13		11/20/13		11/20/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2070	UJ	1760	UJ	1910	UJ	103000	UJ	97000	UJ	1830	UJ
EPA 8270	3-Nitroaniline	UG/KG	2070	UJ	1760	UJ	1910	UJ	103000	U	97000	U	1830	UJ
EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	828	UJ	702	U	764	UJ	41300	U	38800	U	733	U
EPA 8270	4-Bromophenyl phenyl ether	UG/KG	414	UJ	351	UJ	382	UJ	20700	U	19400	U	366	UJ
EPA 8270	4-Chloro-3-methylphenol	UG/KG	828	UJ	702	U	764	UJ	41300	U	38800	U	733	U
EPA 8270	4-Chloroaniline	UG/KG	2070	UJ	1760	UJ	1910	UJ	103000	UJ	97000	UJ	1830	UJ
EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	414	UJ	351	UJ	382	UJ	20700	U	19400	U	366	UJ
EPA 8270	4-Nitroaniline	UG/KG	828	UJ	702	UJ	764	UJ	41300	U	38800	U	733	UJ
EPA 8270	4-Nitrophenol	UG/KG	2070	UJ	1760	U	1910	UJ	103000	U	97000	U	1830	U
EPA 8270	Acetophenone	UG/KG	414	UJ	351	UJ	382	UJ	20700	UJ	19400	UJ	366	UJ
EPA 8270	Atrazine	UG/KG	828	UJ	702	UJ	764	UJ	41300	U	38800	U	733	UJ
EPA 8270	Benzaldehyde	UG/KG	828	UR	702	UR	764	UR	41300	UR	38800	UR	733	UR
EPA 8270	Biphenyl	UG/KG	414	UJ	351	UJ	382	UJ	20700	UJ	19400	UJ	366	UJ
EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	414	UJ	351	UJ	382	UJ	20700	U	19400	UJ	366	UJ
EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	414	UJ	351	UJ	382	UJ	20700	U	19400	UJ	366	UJ
EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	414	UJ	351	UJ	382	UJ	20700	U	19400	U	366	UJ
EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	414	UJ	351	U	382	UJ	20700	U	19400	UJ	366	UJ
EPA 8270	Butylbenzylphthalate	UG/KG	414	UJ	351	U	382	UJ	20700	U	19400	UJ	366	UJ
EPA 8270	Caprolactam	UG/KG	414	UJ	351	UJ	382	UJ	20700	UJ	19400	U	366	U
EPA 8270	Carbazole	UG/KG	414	UJ	351	UJ	382	UJ	20700	U	19400	U	366	U
EPA 8270	Di-n-butylphthalate	UG/KG	414	UJ	351	UJ	382	UJ	20700	U	19400	UJ	366	UJ
EPA 8270	Di-n-octylphthalate	UG/KG	414	UJ	351	U	382	UJ	20700	U	19400	UJ	366	UJ
EPA 8270	Dibenzofuran	UG/KG	414	UJ	351	UJ	382	UJ	20700	U	19400	UJ	366	UJ
EPA 8270	Diethylphthalate	UG/KG	414	UJ	351	UJ	382	UJ	20700	U	19400	UJ	366	UJ
EPA 8270	Dimethylphthalate	UG/KG	414	UJ	351	UJ	382	UJ	20700	U	19400	UJ	366	UJ
EPA 8270	Hexachlorobenzene	UG/KG	414	UJ	351	UJ	382	UJ	20700	UJ	19400	UJ	366	UJ
EPA 8270	Hexachlorobutadiene	UG/KG	414	UJ	351	UJ	382	UJ	20700	U	19400	UJ	366	UJ
EPA 8270	Hexachlorocyclopentadiene	UG/KG	414	UJ	351	UJ	382	UJ	20700	UJ	19400	U	366	UJ
EPA 8270	Hexachloroethane	UG/KG	414	UJ	351	UJ	382	UJ	20700	U	19400	UJ	366	UJ
EPA 8270	Isophorone	UG/KG	414	UJ	351	UJ	382	UJ	20700	UJ	19400	UJ	366	UJ
EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	414	UJ	351	UJ	382	UJ	20700	UJ	19400	UJ	366	UJ
EPA 8270	N-Nitrosodiphenylamine	UG/KG	414	UJ	351	UJ	382	UJ	20700	UJ	19400	UJ	366	UJ
EPA 8270	Nitrobenzene	UG/KG	414	UJ	351	UJ	382	UJ	20700	UJ	19400	UJ	366	UJ
EPA 8270	Pentachlorophenol	UG/KG	2070	UJ	1760	UJ	1910	UJ	103000	UJ	97000	UJ	1830	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-18		SB-19		SB-19		SB-19		SB-20		SB-20	
		Field Sample ID:	SB-501		SB-19-2-3		SB-19-8-10		SB-19-14-15		SB-20-3-4		SB-20-9-10	
		Date:	11/13/13		11/13/13		11/13/13		11/13/13		11/20/13		11/20/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	Phenol	UG/KG	414	UJ	351	U	382	UJ	20700	U	19400	U	366	U
EPA 8270 by SIM	1-Methylnaphthalene	UG/KG	12.5	UJ	10.6	UJ	11.6	UJ	626	U	588	U	11.1	U
EPA 8270 by SIM	2-Methylnaphthalene	UG/KG	12.5	UJ	10.6	UJ	11.6	UJ	626	U	588	U	11.1	U
EPA 8270 by SIM	Acenaphthene	UG/KG	12.5	UJ	10.6	UJ	11.6	UJ	230	J	588	U	11.1	U
EPA 8270 by SIM	Acenaphthylene	UG/KG	12.5	UJ	10.6	UJ	11.6	UJ	626	U	588	U	11.1	U
EPA 8270 by SIM	Anthracene	UG/KG	12.5	UJ	10.6	UJ	11.6	UJ	626	U	588	U	11.1	U
EPA 8270 by SIM	Benzo(a)anthracene	UG/KG	12.5	U	10.6	U	11.6	UJ	626	U	588	U	1.8	J
EPA 8270 by SIM	Benzo(a)pyrene	UG/KG	12.5	U	10.6	U	11.6	UJ	626	U	588	U	11.1	U
EPA 8270 by SIM	Benzo(b)fluoranthene	UG/KG	12.5	U	10.6	U	11.6	UJ	626	U	588	U	11.1	U
EPA 8270 by SIM	Benzo(ghi)perylene	UG/KG	12.5	U	10.6	U	11.6	UJ	626	U	588	U	11.1	U
EPA 8270 by SIM	Benzo(k)fluoranthene	UG/KG	12.5	U	10.6	U	11.6	UJ	626	U	588	U	2.1	J
EPA 8270 by SIM	Chrysene	UG/KG	12.5	U	10.6	U	11.6	UJ	626	U	588	U	2.4	J
EPA 8270 by SIM	Dibenz(a,h)anthracene	UG/KG	12.5	U	10.6	U	11.6	UJ	626	U	588	U	11.1	U
EPA 8270 by SIM	Fluoranthene	UG/KG	12.5	UJ	10.6	UJ	11.6	UJ	626	U	588	U	11.1	U
EPA 8270 by SIM	Fluorene	UG/KG	12.5	UJ	10.6	UJ	11.6	UJ	626	U	588	U	11.1	U
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12.5	U	10.6	U	11.6	UJ	626	U	588	U	11.1	U
EPA 8270 by SIM	Naphthalene	UG/KG	12.5	UJ	10.6	UJ	11.6	UJ	626	U	588	U	11.1	U
EPA 8270 by SIM	Phenanthrene	UG/KG	12.5	UJ	10.6	UJ	11.6	UJ	626	U	588	U	11.1	U
EPA 8270 by SIM	Pyrene	UG/KG	12.5	UJ	10.6	UJ	11.6	UJ	1220		588	U	11.1	U

Notes:

UG/KG = microgram per kilogram

Qualifiers-

U = not detected at the reporting limit

UJ = not detected at the reporting limit, estimated

UR = result is rejected

J = result reported is estimated

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-20		SB-204		SB-204		SB-204		SB-205		SB-205	
		Field Sample ID:	SB-20-14-15		SB-204-0-1		SB-204-9-10		SB-204-11-12		SB-205-0-1		SB-205-6-7	
		Date:	11/20/13		11/20/13		11/20/13		11/20/13		11/20/13		11/20/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
ASTM D2974-87	Percent Moisture	%	15.4		9.7		16.9		16.8		12.4		13.9	
EPA 8260	1,1,1-Trichloroethane	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	1,1,2-Trichloroethane	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	1,1-Dichloroethane	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	1,1-Dichloroethene	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	1,2,3-Trichlorobenzene	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	1,2,4-Trichlorobenzene	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	1,2-Dibromoethane	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	1,2-Dichlorobenzene	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	1,2-Dichloroethane	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	1,2-Dichloropropane	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	1,3-Dichlorobenzene	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	1,4-Dichlorobenzene	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	1,4-Dioxane	UG/KG	3510	U	157	U	169	U	152	U	153	U	144	U
EPA 8260	2-Butanone	UG/KG	2340	U	105	U	113	U	101	U	102	U	95.8	U
EPA 8260	2-Hexanone	UG/KG	1170	U	52.4	U	56.3	U	50.6	U	50.9	U	47.9	U
EPA 8260	4-Methyl-2-pentanone	UG/KG	1170	U	52.4	U	56.3	U	50.6	U	50.9	U	47.9	U
EPA 8260	Acetic acid, methyl ester	UG/KG	491		10.5	U	11.3	U	10.1	U	10.2	U	9.6	U
EPA 8260	Acetone	UG/KG	2340	U	13.8	J	54.4	J	67.7	J	57.3	J	55.9	J
EPA 8260	Benzene	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Bromochloromethane	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Bromodichloromethane	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Bromoform	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Bromomethane	UG/KG	234	U	10.5	U	11.3	U	10.1	U	10.2	U	9.6	U
EPA 8260	Carbon disulfide	UG/KG	234	U	10.5	U	11.3	U	10.1	U	10.2	U	9.6	U
EPA 8260	Carbon tetrachloride	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Chlorobenzene	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Chlorodibromomethane	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Chloroethane	UG/KG	234	U	10.5	U	11.3	U	10.1	U	10.2	U	9.6	UJ
EPA 8260	Chloroform	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Chloromethane	UG/KG	234	U	10.5	U	11.3	U	10.1	U	10.2	U	9.6	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-20		SB-204		SB-204		SB-204		SB-205		SB-205	
		Field Sample ID:	SB-20-14-15		SB-204-0-1		SB-204-9-10		SB-204-11-12		SB-205-0-1		SB-205-6-7	
		Date:	11/20/13		11/20/13		11/20/13		11/20/13		11/20/13		11/20/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8260	Cis-1,2-Dichloroethene	UG/KG	35.8	J	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	cis-1,3-Dichloropropene	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Cyclohexane	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Dichlorodifluoromethane	UG/KG	234	U	10.5	U	11.3	U	10.1	U	10.2	U	9.6	U
EPA 8260	Ethyl benzene	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Isopropylbenzene	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Methyl cyclohexane	UG/KG	234	U	10.5	U	11.3	U	10.1	U	10.2	U	9.6	U
EPA 8260	Methyl Tertbutyl Ether	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Methylene chloride	UG/KG	468	U	21	U	22.5	U	20.2	U	20.4	U	19.2	U
EPA 8260	Styrene	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Tetrachloroethene	UG/KG	153		5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Toluene	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	trans-1,2-Dichloroethene	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	trans-1,3-Dichloropropene	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Trichloroethene	UG/KG	712		5.2	U	5.6	U	6		5	J	7.3	
EPA 8260	Trichlorofluoromethane	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Vinyl chloride	UG/KG	234	U	10.5	U	11.3	U	10.1	U	10.2	U	9.6	U
EPA 8260	Xylene, o	UG/KG	117	U	5.2	U	5.6	U	5.1	U	5.1	U	4.8	U
EPA 8260	Xylenes (m&p)	UG/KG	234	U	10.5	U	11.3	U	10.1	U	10.2	U	9.6	U
EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	390	U	366	U	397	U	397	UJ	377	UJ	383	U
EPA 8270	2,4,5-Trichlorophenol	UG/KG	390	U	366	U	397	U	397	UJ	377	UJ	383	U
EPA 8270	2,4,6-Trichlorophenol	UG/KG	390	U	366	U	397	U	397	UJ	377	UJ	383	U
EPA 8270	2,4-Dichlorophenol	UG/KG	390	U	366	U	397	U	397	UJ	377	UJ	383	U
EPA 8270	2,4-Dimethylphenol	UG/KG	390	U	366	U	397	U	397	UJ	377	UJ	383	U
EPA 8270	2,4-Dinitrophenol	UG/KG	1950	U	1830	U	1990	UJ	1980	UJ	1880	UJ	1920	U
EPA 8270	2,4-Dinitrotoluene	UG/KG	390	U	366	U	397	UJ	397	UJ	377	UJ	383	U
EPA 8270	2,6-Dinitrotoluene	UG/KG	390	U	366	U	397	UJ	397	UJ	377	UJ	383	U
EPA 8270	2-Chloronaphthalene	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	2-Chlorophenol	UG/KG	390	U	366	U	397	U	397	UJ	377	UJ	383	U
EPA 8270	2-Methylphenol	UG/KG	390	U	366	U	397	U	397	UJ	377	UJ	383	U
EPA 8270	2-Nitroaniline	UG/KG	1950	UJ	1830	UJ	1990	UJ	1980	UJ	1880	UJ	1920	UJ
EPA 8270	2-Nitrophenol	UG/KG	390	U	366	U	397	U	397	UJ	377	UJ	383	U
EPA 8270	3 & 4 Methylphenol	UG/KG	390	U	366	U	397	U	397	UJ	377	UJ	383	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-20		SB-204		SB-204		SB-204		SB-205		SB-205	
		Field Sample ID:	SB-20-14-15		SB-204-0-1		SB-204-9-10		SB-204-11-12		SB-205-0-1		SB-205-6-7	
		Date:	11/20/13		11/20/13		11/20/13		11/20/13		11/20/13		11/20/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1950	UJ	1830	UJ	1990	UJ	1980	UJ	1880	UJ	1920	UJ
EPA 8270	3-Nitroaniline	UG/KG	1950	UJ	1830	UJ	1990	UJ	1980	UJ	1880	UJ	1920	UJ
EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	780	U	731	U	794	U	793	UJ	754	UJ	767	U
EPA 8270	4-Bromophenyl phenyl ether	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	4-Chloro-3-methylphenol	UG/KG	780	U	731	U	794	UJ	793	UJ	754	UJ	767	U
EPA 8270	4-Chloroaniline	UG/KG	1950	UJ	1830	UJ	1990	UJ	1980	UJ	1880	UJ	1920	UJ
EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	4-Nitroaniline	UG/KG	780	UJ	731	UJ	794	UJ	793	UJ	754	UJ	767	UJ
EPA 8270	4-Nitrophenol	UG/KG	1950	U	1830	U	1990	U	1980	UJ	1880	UJ	1920	U
EPA 8270	Acetophenone	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Atrazine	UG/KG	780	UJ	731	UJ	794	UJ	793	UJ	754	UJ	767	UJ
EPA 8270	Benzaldehyde	UG/KG	780	UR	731	UR	794	UR	793	UR	754	UR	767	UR
EPA 8270	Biphenyl	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Butylbenzylphthalate	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Caprolactam	UG/KG	390	U	366	U	397	U	397	UJ	377	UJ	383	U
EPA 8270	Carbazole	UG/KG	390	U	366	U	397	U	397	UJ	377	UJ	383	U
EPA 8270	Di-n-butylphthalate	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Di-n-octylphthalate	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Dibenzofuran	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Diethylphthalate	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Dimethylphthalate	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Hexachlorobenzene	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Hexachlorobutadiene	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Hexachlorocyclopentadiene	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Hexachloroethane	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Isophorone	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	N-Nitrosodiphenylamine	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Nitrobenzene	UG/KG	390	UJ	366	UJ	397	UJ	397	UJ	377	UJ	383	UJ
EPA 8270	Pentachlorophenol	UG/KG	1950	UJ	1830	UJ	1990	UJ	1980	UJ	1880	UJ	1920	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-20		SB-204		SB-204		SB-204		SB-205		SB-205	
		Field Sample ID:	SB-20-14-15		SB-204-0-1		SB-204-9-10		SB-204-11-12		SB-205-0-1		SB-205-6-7	
		Date:	11/20/13		11/20/13		11/20/13		11/20/13		11/20/13		11/20/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	Phenol	UG/KG	390	U	366	U	397	UJ	397	UJ	377	UJ	383	U
EPA 8270 by SIM	1-Methylnaphthalene	UG/KG	53.6	J	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	2-Methylnaphthalene	UG/KG	46.2	J	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	Acenaphthene	UG/KG	59.1	U	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	Acenaphthylene	UG/KG	59.1	U	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	Anthracene	UG/KG	59.1	U	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	Benzo(a)anthracene	UG/KG	8.7	J	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	Benzo(a)pyrene	UG/KG	59.1	U	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	Benzo(b)fluoranthene	UG/KG	7.3	J	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	Benzo(ghi)perylene	UG/KG	59.1	U	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	Benzo(k)fluoranthene	UG/KG	11.2	J	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	Chrysene	UG/KG	11.1	J	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	Dibenz(a,h)anthracene	UG/KG	59.1	U	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	Fluoranthene	UG/KG	59.1	U	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	Fluorene	UG/KG	59.1	U	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	UG/KG	59.1	U	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	Naphthalene	UG/KG	59.1	U	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	Phenanthrene	UG/KG	42.1	J	11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ
EPA 8270 by SIM	Pyrene	UG/KG	208		11.1	UJ	12	UJ	12	UJ	11.4	UJ	11.6	UJ

Notes:

UG/KG = microgram per kilogram

Qualifiers-

U = not detected at the reporting limit

UJ = not detected at the reporting limit, estimated

UR = result is rejected

J = result reported is estimated

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-205		SB-206		SB-206		SB-206		SB-207		SB-207	
		Field Sample ID:	SB-205-14-15		SB-206-4-5		SB-206-8-10		SB-206-14-15		SB-207-3-4		SB-207-6-7	
		Date:	11/20/13		11/18/13		11/18/13		11/18/13		11/12/13		11/12/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
ASTM D2974-87	Percent Moisture	%	20.3		24.9		16.2		26.1		11.4		18.9	
EPA 8260	1,1,1-Trichloroethane	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	1,1,2-Trichloroethane	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	1,1-Dichloroethane	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	1,1-Dichloroethene	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	1,2,3-Trichlorobenzene	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	1,2,4-Trichlorobenzene	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	1,2-Dibromoethane	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	1,2-Dichlorobenzene	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	1,2-Dichloroethane	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	1,2-Dichloropropane	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	1,3-Dichlorobenzene	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	1,4-Dichlorobenzene	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	1,4-Dioxane	UG/KG	16900	U	179	U	169	U	4540	U	130	U	140	U
EPA 8260	2-Butanone	UG/KG	11300	U	119	U	19.5	J	3030	U	86.9	U	12.1	J
EPA 8260	2-Hexanone	UG/KG	5640	U	59.6	U	4.7	J	1510	U	43.4	U	46.5	U
EPA 8260	4-Methyl-2-pentanone	UG/KG	5640	U	59.6	U	56.5	U	1510	U	43.4	U	46.5	U
EPA 8260	Acetic acid, methyl ester	UG/KG	1130	U	11.9	U	11.3	U	600		8.7	U	9.3	U
EPA 8260	Acetone	UG/KG	11300	U	15.2	J	43.1	J	3030	U	56.1	J	82.2	J
EPA 8260	Benzene	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Bromochloromethane	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Bromodichloromethane	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Bromoform	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Bromomethane	UG/KG	1130	U	11.9	U	11.3	U	303	U	8.7	U	9.3	U
EPA 8260	Carbon disulfide	UG/KG	1130	U	11.9	U	11.3	U	303	U	8.7	U	9.3	U
EPA 8260	Carbon tetrachloride	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Chlorobenzene	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Chlorodibromomethane	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Chloroethane	UG/KG	1130	UJ	11.9	U	11.3	U	303	U	8.7	U	9.3	U
EPA 8260	Chloroform	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Chloromethane	UG/KG	1130	UJ	11.9	U	11.3	U	303	U	8.7	U	9.3	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-205		SB-206		SB-206		SB-206		SB-207		SB-207	
		Field Sample ID:	SB-205-14-15		SB-206-4-5		SB-206-8-10		SB-206-14-15		SB-207-3-4		SB-207-6-7	
		Date:	11/20/13		11/18/13		11/18/13		11/18/13		11/12/13		11/12/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8260	Cis-1,2-Dichloroethene	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4	J
EPA 8260	cis-1,3-Dichloropropene	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Cyclohexane	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Dichlorodifluoromethane	UG/KG	1130	U	11.9	U	11.3	U	303	U	8.7	U	9.3	U
EPA 8260	Ethyl benzene	UG/KG	719		6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Isopropylbenzene	UG/KG	706		6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Methyl cyclohexane	UG/KG	1130	U	11.9	U	11.3	U	303	U	8.7	U	9.3	U
EPA 8260	Methyl Tertbutyl Ether	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Methylene chloride	UG/KG	2260	U	23.8	U	22.6	U	605	U	17.4	U	18.6	U
EPA 8260	Styrene	UG/KG	564	U	6	U	5.6	UJ	151	U	4.3	U	4.7	U
EPA 8260	Tetrachloroethene	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Toluene	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	trans-1,2-Dichloroethene	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	trans-1,3-Dichloropropene	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Trichloroethene	UG/KG	19400		6	U	5.6	U	481		19.3		54.1	
EPA 8260	Trichlorofluoromethane	UG/KG	564	U	6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Vinyl chloride	UG/KG	1130	U	11.9	U	11.3	U	303	U	8.7	U	9.3	U
EPA 8260	Xylene, o	UG/KG	1850		6	U	5.6	U	151	U	4.3	U	4.7	U
EPA 8260	Xylenes (m&p)	UG/KG	1130	U	11.9	U	11.3	U	303	U	8.7	U	9.3	U
EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	414	U	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	414	U	440	UJ	394	UJ	447	UJ	373	UJ	407	UJ
EPA 8270	2,4,5-Trichlorophenol	UG/KG	414	UJ	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	2,4,6-Trichlorophenol	UG/KG	414	UJ	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	2,4-Dichlorophenol	UG/KG	414	U	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	2,4-Dimethylphenol	UG/KG	414	U	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	2,4-Dinitrophenol	UG/KG	2070	U	2200	UJ	1970	UJ	2230	UJ	1860	UJ	2040	UJ
EPA 8270	2,4-Dinitrotoluene	UG/KG	414	U	440	UJ	394	UJ	447	UJ	373	UJ	407	UJ
EPA 8270	2,6-Dinitrotoluene	UG/KG	414	UJ	440	UJ	394	UJ	447	UJ	373	UJ	407	UJ
EPA 8270	2-Chloronaphthalene	UG/KG	414	UJ	440	UJ	394	UJ	447	UJ	373	UJ	407	UJ
EPA 8270	2-Chlorophenol	UG/KG	414	U	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	2-Methylphenol	UG/KG	414	U	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	2-Nitroaniline	UG/KG	2070	UJ	2200	UJ	1970	UJ	2230	UJ	1860	UJ	2040	UJ
EPA 8270	2-Nitrophenol	UG/KG	414	U	440	UJ	394	UJ	447	UJ	373	UJ	407	UJ
EPA 8270	3 & 4 Methylphenol	UG/KG	414	U	440	UJ	394	UJ	447	U	373	UJ	407	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-205		SB-206		SB-206		SB-206		SB-207		SB-207	
		Field Sample ID:	SB-205-14-15		SB-206-4-5		SB-206-8-10		SB-206-14-15		SB-207-3-4		SB-207-6-7	
		Date:	11/20/13		11/18/13		11/18/13		11/18/13		11/12/13		11/12/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2070	UJ	2200	UJ	1970	UJ	2230	UJ	1860	UJ	2040	UJ
EPA 8270	3-Nitroaniline	UG/KG	2070	UJ	2200	UJ	1970	UJ	2230	UJ	1860	UJ	2040	UJ
EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	828	U	879	UJ	787	UJ	893	U	745	UJ	814	UJ
EPA 8270	4-Bromophenyl phenyl ether	UG/KG	414	U	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	4-Chloro-3-methylphenol	UG/KG	828	UJ	879	UJ	787	UJ	893	U	745	UJ	814	UJ
EPA 8270	4-Chloroaniline	UG/KG	2070	UJ	2200	UJ	1970	UJ	2230	UJ	1860	UJ	2040	UJ
EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	414	U	440	UJ	394	UJ	447	UJ	373	UJ	407	UJ
EPA 8270	4-Nitroaniline	UG/KG	828	U	879	UJ	787	UJ	893	UJ	745	UJ	814	UJ
EPA 8270	4-Nitrophenol	UG/KG	2070	U	2200	UJ	1970	UJ	2230	U	1860	UJ	2040	UJ
EPA 8270	Acetophenone	UG/KG	414	UJ	440	UJ	394	UJ	447	UJ	373	UJ	407	UJ
EPA 8270	Atrazine	UG/KG	828	U	879	UJ	787	UJ	893	U	745	UJ	814	UJ
EPA 8270	Benzaldehyde	UG/KG	828	UR	879	UR	787	UR	893	UR	745	UR	814	UR
EPA 8270	Biphenyl	UG/KG	2880	J	440	UJ	394	UJ	447	UJ	373	UJ	407	UJ
EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	414	U	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	414	U	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	414	U	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	414	UJ	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	Butylbenzylphthalate	UG/KG	414	UJ	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	Caprolactam	UG/KG	414	U	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	Carbazole	UG/KG	414	U	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	Di-n-butylphthalate	UG/KG	414	U	440	UJ	394	UJ	447	UJ	373	UJ	407	UJ
EPA 8270	Di-n-octylphthalate	UG/KG	414	UJ	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	Dibenzofuran	UG/KG	414	UJ	440	UJ	394	UJ	447	UJ	373	UJ	407	UJ
EPA 8270	Diethylphthalate	UG/KG	414	UJ	440	UJ	394	UJ	447	UJ	373	UJ	407	UJ
EPA 8270	Dimethylphthalate	UG/KG	414	UJ	440	UJ	394	UJ	447	UJ	373	UJ	407	UJ
EPA 8270	Hexachlorobenzene	UG/KG	414	UJ	440	UJ	394	UJ	447	UJ	373	UJ	407	UJ
EPA 8270	Hexachlorobutadiene	UG/KG	414	UJ	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	Hexachlorocyclopentadiene	UG/KG	414	UJ	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	Hexachloroethane	UG/KG	414	UJ	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	Isophorone	UG/KG	414	UJ	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	414	UJ	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	N-Nitrosodiphenylamine	UG/KG	414	UJ	440	UJ	394	UJ	447	UJ	373	UJ	407	UJ
EPA 8270	Nitrobenzene	UG/KG	414	UJ	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270	Pentachlorophenol	UG/KG	2070	UJ	2200	UJ	1970	UJ	2230	U	1860	UJ	2040	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-205		SB-206		SB-206		SB-206		SB-207		SB-207	
		Field Sample ID:	SB-205-14-15		SB-206-4-5		SB-206-8-10		SB-206-14-15		SB-207-3-4		SB-207-6-7	
		Date:	11/20/13		11/18/13		11/18/13		11/18/13		11/12/13		11/12/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	Phenol	UG/KG	414	U	440	UJ	394	UJ	447	U	373	UJ	407	UJ
EPA 8270 by SIM	1-Methylnaphthalene	UG/KG	28200		13.3	UJ	11.9	UJ	1530		11.3	UJ	12.3	UJ
EPA 8270 by SIM	2-Methylnaphthalene	UG/KG	25800		13.3	UJ	1.7	J	1590		1.9	J	12.3	UJ
EPA 8270 by SIM	Acenaphthene	UG/KG	414	J	13.3	UJ	11.9	UJ	271	U	11.3	UJ	12.3	UJ
EPA 8270 by SIM	Acenaphthylene	UG/KG	628	U	13.3	UJ	11.9	UJ	271	U	11.3	UJ	12.3	UJ
EPA 8270 by SIM	Anthracene	UG/KG	531	J	13.3	UJ	11.9	UJ	271	U	11.3	UJ	12.3	UJ
EPA 8270 by SIM	Benzo(a)anthracene	UG/KG	628	U	13.3	UJ	11.9	UJ	271	U	11.3	U	12.3	U
EPA 8270 by SIM	Benzo(a)pyrene	UG/KG	628	U	13.3	UJ	11.9	UJ	271	U	11.3	U	12.3	U
EPA 8270 by SIM	Benzo(b)fluoranthene	UG/KG	628	U	13.3	UJ	11.9	UJ	271	U	11.3	U	12.3	U
EPA 8270 by SIM	Benzo(ghi)perylene	UG/KG	628	U	13.3	UJ	11.9	UJ	271	U	11.3	U	12.3	U
EPA 8270 by SIM	Benzo(k)fluoranthene	UG/KG	628	U	13.3	UJ	11.9	UJ	271	U	11.3	U	12.3	U
EPA 8270 by SIM	Chrysene	UG/KG	628	U	13.3	UJ	11.9	UJ	271	U	11.3	U	12.3	U
EPA 8270 by SIM	Dibenz(a,h)anthracene	UG/KG	628	U	13.3	UJ	11.9	UJ	271	U	11.3	U	12.3	U
EPA 8270 by SIM	Fluoranthene	UG/KG	137	J	13.3	UJ	11.9	UJ	271	U	11.3	UJ	12.3	UJ
EPA 8270 by SIM	Fluorene	UG/KG	1140		13.3	UJ	11.9	UJ	258	J	11.3	UJ	12.3	UJ
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	UG/KG	628	U	13.3	UJ	11.9	UJ	271	U	11.3	U	12.3	U
EPA 8270 by SIM	Naphthalene	UG/KG	628	U	13.3	UJ	11.9	UJ	271	U	11.3	UJ	12.3	UJ
EPA 8270 by SIM	Phenanthrene	UG/KG	9610		13.3	UJ	11.9	UJ	477		11.3	UJ	12.3	UJ
EPA 8270 by SIM	Pyrene	UG/KG	519	J	13.3	UJ	11.9	UJ	233	J	11.3	UJ	12.3	UJ

Notes:

UG/KG = microgram per kilogram

Qualifiers-

U = not detected at the reporting limit

UJ = not detected at the reporting limit, estimated

UR = result is rejected

J = result reported is estimated

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-207		SB-208		SB-208		SB-208		SB-21		SB-21	
		Field Sample ID:	SB-207-13-14		SB-208-4-5		SB-208-7-9		SB-208-12-13		SB-21-1-2		SB-21-9-10	
		Date:	11/12/13		11/20/13		11/20/13		11/20/13		11/12/13		11/12/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
ASTM D2974-87	Percent Moisture	%	9.3		18.9		16.6		24.9		13.6		11.1	
EPA 8260	1,1,1-Trichloroethane	UG/KG	870		5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	1,1,2-Trichloroethane	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	1,1-Dichloroethane	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	1,1-Dichloroethene	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	1,2,3-Trichlorobenzene	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	1,2,4-Trichlorobenzene	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	1,2-Dibromoethane	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	1,2-Dichlorobenzene	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	1,2-Dichloroethane	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	1,2-Dichloropropane	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	1,3-Dichlorobenzene	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	1,4-Dichlorobenzene	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	1,4-Dioxane	UG/KG	3160	U	150	U	153	U	151	U	159	U	138	U
EPA 8260	2-Butanone	UG/KG	2110	U	99.7	U	102	U	101	U	106	U	92	U
EPA 8260	2-Hexanone	UG/KG	1050	U	49.9	U	51	U	50.3	U	53.1	U	46	U
EPA 8260	4-Methyl-2-pentanone	UG/KG	1050	U	49.9	U	51	U	50.3	U	53.1	U	46	U
EPA 8260	Acetic acid, methyl ester	UG/KG	455		10	U	10.2	U	16.8		10.6	U	9.2	U
EPA 8260	Acetone	UG/KG	272	J	184		106	J	91.7	J	59.6	J	89.8	J
EPA 8260	Benzene	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Bromochloromethane	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Bromodichloromethane	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Bromoform	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Bromomethane	UG/KG	211	U	10	U	10.2	U	10.1	U	10.6	U	9.2	U
EPA 8260	Carbon disulfide	UG/KG	211	U	10	U	10.2	U	10.1	U	10.6	U	9.2	U
EPA 8260	Carbon tetrachloride	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Chlorobenzene	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Chlorodibromomethane	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Chloroethane	UG/KG	211	U	10	U	10.2	U	10.1	U	10.6	U	9.2	U
EPA 8260	Chloroform	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Chloromethane	UG/KG	211	U	10	U	10.2	U	10.1	U	10.6	U	9.2	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-207		SB-208		SB-208		SB-208		SB-21		SB-21	
		Field Sample ID:	SB-207-13-14		SB-208-4-5		SB-208-7-9		SB-208-12-13		SB-21-1-2		SB-21-9-10	
		Date:	11/12/13		11/20/13		11/20/13		11/20/13		11/12/13		11/12/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8260	Cis-1,2-Dichloroethene	UG/KG	196		5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	cis-1,3-Dichloropropene	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Cyclohexane	UG/KG	59.6	J	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Dichlorodifluoromethane	UG/KG	211	U	10	U	10.2	U	10.1	U	10.6	U	9.2	U
EPA 8260	Ethyl benzene	UG/KG	1450		5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Isopropylbenzene	UG/KG	1140		5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Methyl cyclohexane	UG/KG	211	U	10	U	10.2	U	10.1	U	10.6	U	9.2	U
EPA 8260	Methyl Tertbutyl Ether	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Methylene chloride	UG/KG	422	U	19.9	U	20.4	U	20.1	U	21.2	U	18.4	U
EPA 8260	Styrene	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Tetrachloroethene	UG/KG	1720		5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Toluene	UG/KG	171		5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	trans-1,2-Dichloroethene	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	trans-1,3-Dichloropropene	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Trichloroethene	UG/KG	47400		2.6	J	5.1	U	5	U	5.3	U	10.7	
EPA 8260	Trichlorofluoromethane	UG/KG	105	U	5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Vinyl chloride	UG/KG	211	U	10	U	10.2	U	10.1	U	10.6	U	9.2	U
EPA 8260	Xylene, o	UG/KG	2950		5	U	5.1	U	5	U	5.3	U	4.6	U
EPA 8260	Xylenes (m&p)	UG/KG	1080		10	U	10.2	U	10.1	U	10.6	U	9.2	U
EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	18200	U	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	18200	UJ	407	U	395	UJ	439	U	382	UJ	371	UJ
EPA 8270	2,4,5-Trichlorophenol	UG/KG	18200	U	407	U	395	UJ	439	U	382	UJ	371	UJ
EPA 8270	2,4,6-Trichlorophenol	UG/KG	18200	U	407	U	395	UJ	439	U	382	UJ	371	UJ
EPA 8270	2,4-Dichlorophenol	UG/KG	18200	U	407	U	395	UJ	439	U	382	UJ	371	UJ
EPA 8270	2,4-Dimethylphenol	UG/KG	18200	U	407	U	395	UJ	439	U	382	UJ	371	UJ
EPA 8270	2,4-Dinitrophenol	UG/KG	90900	UJ	2030	UJ	1980	UJ	2200	U	1910	UJ	1860	UJ
EPA 8270	2,4-Dinitrotoluene	UG/KG	18200	U	407	UJ	395	UJ	439	U	382	UJ	371	UJ
EPA 8270	2,6-Dinitrotoluene	UG/KG	18200	U	407	UJ	395	UJ	439	U	382	UJ	371	UJ
EPA 8270	2-Chloronaphthalene	UG/KG	18200	U	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	2-Chlorophenol	UG/KG	18200	U	407	U	395	UJ	439	U	382	UJ	371	UJ
EPA 8270	2-Methylphenol	UG/KG	18200	U	407	U	395	UJ	439	U	382	UJ	371	UJ
EPA 8270	2-Nitroaniline	UG/KG	90900	U	2030	UJ	1980	UJ	2200	UJ	1910	UJ	1860	UJ
EPA 8270	2-Nitrophenol	UG/KG	18200	UJ	407	U	395	UJ	439	U	382	UJ	371	UJ
EPA 8270	3 & 4 Methylphenol	UG/KG	18200	U	407	U	395	UJ	439	U	382	UJ	371	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-207		SB-208		SB-208		SB-208		SB-21		SB-21	
		Field Sample ID:	SB-207-13-14		SB-208-4-5		SB-208-7-9		SB-208-12-13		SB-21-1-2		SB-21-9-10	
		Date:	11/12/13		11/20/13		11/20/13		11/20/13		11/12/13		11/12/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	3,3'-Dichlorobenzidine	UG/KG	90900	UJ	2030	UJ	1980	UJ	2200	UJ	1910	UJ	1860	UJ
EPA 8270	3-Nitroaniline	UG/KG	90900	U	2030	UJ	1980	UJ	2200	UJ	1910	UJ	1860	UJ
EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	36400	U	813	U	791	UJ	879	U	764	UJ	742	UJ
EPA 8270	4-Bromophenyl phenyl ether	UG/KG	18200	U	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	4-Chloro-3-methylphenol	UG/KG	36400	U	813	UJ	791	UJ	879	U	764	UJ	742	UJ
EPA 8270	4-Chloroaniline	UG/KG	90900	UJ	2030	UJ	1980	UJ	2200	UJ	1910	UJ	1860	UJ
EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	18200	U	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	4-Nitroaniline	UG/KG	36400	U	813	UJ	791	UJ	879	UJ	764	UJ	742	UJ
EPA 8270	4-Nitrophenol	UG/KG	90900	U	2030	U	1980	UJ	2200	U	1910	UJ	1860	UJ
EPA 8270	Acetophenone	UG/KG	18200	UJ	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Atrazine	UG/KG	36400	U	813	UJ	791	UJ	879	UJ	764	UJ	742	UJ
EPA 8270	Benzaldehyde	UG/KG	36400	UR	813	UR	791	UR	879	UR	764	UR	742	UR
EPA 8270	Biphenyl	UG/KG	18200	UJ	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	18200	U	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	18200	U	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	18200	U	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	18200	U	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Butylbenzylphthalate	UG/KG	18200	U	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Caprolactam	UG/KG	18200	UJ	407	U	395	UJ	439	U	382	UJ	371	UJ
EPA 8270	Carbazole	UG/KG	18200	U	407	U	395	UJ	439	U	382	UJ	371	UJ
EPA 8270	Di-n-butylphthalate	UG/KG	18200	U	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Di-n-octylphthalate	UG/KG	18200	U	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Dibenzofuran	UG/KG	18200	U	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Diethylphthalate	UG/KG	18200	U	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Dimethylphthalate	UG/KG	18200	U	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Hexachlorobenzene	UG/KG	18200	UJ	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Hexachlorobutadiene	UG/KG	18200	U	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Hexachlorocyclopentadiene	UG/KG	18200	UJ	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Hexachloroethane	UG/KG	18200	U	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Isophorone	UG/KG	18200	UJ	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	18200	UJ	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	N-Nitrosodiphenylamine	UG/KG	18200	UJ	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Nitrobenzene	UG/KG	18200	UJ	407	UJ	395	UJ	439	UJ	382	UJ	371	UJ
EPA 8270	Pentachlorophenol	UG/KG	90900	UJ	2030	UJ	1980	UJ	2200	UJ	1910	UJ	1860	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-207		SB-208		SB-208		SB-208		SB-21		SB-21	
		Field Sample ID:	SB-207-13-14		SB-208-4-5		SB-208-7-9		SB-208-12-13		SB-21-1-2		SB-21-9-10	
		Date:	11/12/13		11/20/13		11/20/13		11/20/13		11/12/13		11/12/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	Phenol	UG/KG	18200	U	407	UJ	395	UJ	439	U	382	UJ	371	UJ
EPA 8270 by SIM	1-Methylnaphthalene	UG/KG	21400		12.3	U	12	UJ	13.3	UJ	11.6	UJ	11.2	UJ
EPA 8270 by SIM	2-Methylnaphthalene	UG/KG	22100		12.3	U	12	UJ	13.3	UJ	11.6	UJ	11.2	UJ
EPA 8270 by SIM	Acenaphthene	UG/KG	1540		12.3	U	12	UJ	13.3	UJ	11.6	UJ	11.2	UJ
EPA 8270 by SIM	Acenaphthylene	UG/KG	551	U	12.3	U	12	UJ	13.3	UJ	11.6	UJ	11.2	UJ
EPA 8270 by SIM	Anthracene	UG/KG	551	U	12.3	U	12	UJ	13.3	UJ	11.6	UJ	11.2	UJ
EPA 8270 by SIM	Benzo(a)anthracene	UG/KG	551	U	12.3	U	12	UJ	13.3	UJ	11.6	U	11.2	U
EPA 8270 by SIM	Benzo(a)pyrene	UG/KG	551	U	2.8	J	12	UJ	13.3	UJ	11.6	U	11.2	U
EPA 8270 by SIM	Benzo(b)fluoranthene	UG/KG	551	U	2.7	J	12	UJ	13.3	UJ	11.6	U	11.2	U
EPA 8270 by SIM	Benzo(ghi)perylene	UG/KG	551	U	4.1	J	12	UJ	13.3	UJ	11.6	U	11.2	U
EPA 8270 by SIM	Benzo(k)fluoranthene	UG/KG	551	U	3.3	J	12	UJ	13.3	UJ	11.6	U	11.2	U
EPA 8270 by SIM	Chrysene	UG/KG	551	U	12.3	U	12	UJ	13.3	UJ	11.6	U	11.2	U
EPA 8270 by SIM	Dibenz(a,h)anthracene	UG/KG	551	U	4.1	J	12	UJ	13.3	UJ	11.6	U	11.2	U
EPA 8270 by SIM	Fluoranthene	UG/KG	551	U	12.3	U	12	UJ	13.3	UJ	11.6	UJ	11.2	UJ
EPA 8270 by SIM	Fluorene	UG/KG	4260		12.3	U	12	UJ	13.3	UJ	11.6	UJ	11.2	UJ
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	UG/KG	551	U	4.1	J	12	UJ	13.3	UJ	11.6	U	11.2	U
EPA 8270 by SIM	Naphthalene	UG/KG	551	U	12.3	U	12	UJ	13.3	UJ	11.6	UJ	11.2	UJ
EPA 8270 by SIM	Phenanthrene	UG/KG	7410	J	12.3	U	12	UJ	13.3	UJ	11.6	UJ	11.2	UJ
EPA 8270 by SIM	Pyrene	UG/KG	921	J	12.3	U	12	UJ	13.3	UJ	11.6	UJ	11.2	UJ

Notes:
UG/KG = microgram per kilogram
Qualifiers-
U = not detected at the reporting limit
UJ = not detected at the reporting limit, estimated
UR = result is rejected
J = result reported is estimated

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-21		SB-22		SB-22		SB-22		SB-23		SB-23	
		Field Sample ID:	SB-21-14-15		SB-22-4-5		SB-22-9-10		SB-22-12-13		SB-23-0-1		SB-23-9-10	
		Date:	11/12/13		11/20/13		11/20/13		11/20/13		11/18/13		11/18/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
ASTM D2974-87	Percent Moisture	%	11.3		14.3		16.4		16		17.7		17.3	
EPA 8260	1,1,1-Trichloroethane	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	1,1,2-Trichloroethane	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	1,1-Dichloroethane	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	1,1-Dichloroethene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	1,2,3-Trichlorobenzene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	1,2,4-Trichlorobenzene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	1,2-Dibromoethane	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	1,2-Dichlorobenzene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	1,2-Dichloroethane	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	1,2-Dichloropropane	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	1,3-Dichlorobenzene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	1,4-Dichlorobenzene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	1,4-Dioxane	UG/KG	154	U	156	U	159	U	164	U	199	U	174	U
EPA 8260	2-Butanone	UG/KG	103	U	104	U	19.5	J	109	U	132	U	116	U
EPA 8260	2-Hexanone	UG/KG	51.3	U	52.2	U	53	U	54.5	U	66.2	U	58.1	U
EPA 8260	4-Methyl-2-pentanone	UG/KG	51.3	U	52.2	U	53	U	54.5	U	66.2	U	58.1	U
EPA 8260	Acetic acid, methyl ester	UG/KG	10.3	U	10.4	U	10.6	U	10.9	U	13.2	U	11.6	U
EPA 8260	Acetone	UG/KG	379		19.3	J	112		50.2	J	31.6	J	13.6	J
EPA 8260	Benzene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Bromochloromethane	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Bromodichloromethane	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Bromoform	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Bromomethane	UG/KG	10.3	U	10.4	U	10.6	U	10.9	U	13.2	U	11.6	U
EPA 8260	Carbon disulfide	UG/KG	10.3	U	10.4	U	10.6	U	10.9	U	13.2	U	11.6	U
EPA 8260	Carbon tetrachloride	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Chlorobenzene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Chlorodibromomethane	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Chloroethane	UG/KG	10.3	U	10.4	U	10.6	U	10.9	U	13.2	U	11.6	U
EPA 8260	Chloroform	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Chloromethane	UG/KG	10.3	U	10.4	U	10.6	U	10.9	U	13.2	U	11.6	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-21		SB-22		SB-22		SB-22		SB-23		SB-23	
		Field Sample ID:	SB-21-14-15		SB-22-4-5		SB-22-9-10		SB-22-12-13		SB-23-0-1		SB-23-9-10	
		Date:	11/12/13		11/20/13		11/20/13		11/20/13		11/18/13		11/18/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8260	Cis-1,2-Dichloroethene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	cis-1,3-Dichloropropene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Cyclohexane	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Dichlorodifluoromethane	UG/KG	10.3	U	10.4	U	10.6	U	10.9	U	13.2	U	11.6	U
EPA 8260	Ethyl benzene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Isopropylbenzene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Methyl cyclohexane	UG/KG	10.3	U	10.4	U	10.6	U	10.9	U	13.2	U	11.6	U
EPA 8260	Methyl Tertbutyl Ether	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Methylene chloride	UG/KG	20.5	U	20.9	U	21.2	U	21.8	U	26.5	U	3.8	J
EPA 8260	Styrene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Tetrachloroethene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Toluene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	trans-1,2-Dichloroethene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	trans-1,3-Dichloropropene	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Trichloroethene	UG/KG	44.4		5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Trichlorofluoromethane	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Vinyl chloride	UG/KG	10.3	U	10.4	U	10.6	U	10.9	U	13.2	U	11.6	U
EPA 8260	Xylene, o	UG/KG	5.1	U	5.2	U	5.3	U	5.5	U	6.6	U	5.8	U
EPA 8260	Xylenes (m&p)	UG/KG	10.3	U	10.4	U	10.6	U	10.9	U	13.2	U	11.6	U
EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	372	UJ	385	UJ	395	U	393	U	401	UJ	399	UJ
EPA 8270	2,4,5-Trichlorophenol	UG/KG	372	UJ	385	UJ	395	U	393	U	401	UJ	399	UJ
EPA 8270	2,4,6-Trichlorophenol	UG/KG	372	UJ	385	UJ	395	U	393	U	401	UJ	399	UJ
EPA 8270	2,4-Dichlorophenol	UG/KG	372	UJ	385	UJ	395	U	393	U	401	U	399	UJ
EPA 8270	2,4-Dimethylphenol	UG/KG	372	UJ	385	UJ	395	U	393	U	401	UJ	399	UJ
EPA 8270	2,4-Dinitrophenol	UG/KG	1860	UJ	1920	UJ	1970	U	1960	U	2000	UJ	2000	UJ
EPA 8270	2,4-Dinitrotoluene	UG/KG	372	UJ	385	UJ	395	U	393	U	401	U	399	UJ
EPA 8270	2,6-Dinitrotoluene	UG/KG	372	UJ	385	UJ	395	U	393	U	401	U	399	UJ
EPA 8270	2-Chloronaphthalene	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	2-Chlorophenol	UG/KG	372	UJ	385	UJ	395	U	393	U	401	UJ	399	UJ
EPA 8270	2-Methylphenol	UG/KG	372	UJ	385	UJ	395	U	393	U	401	UJ	399	UJ
EPA 8270	2-Nitroaniline	UG/KG	1860	UJ	1920	UJ	1970	UJ	1960	UJ	2000	UJ	2000	UJ
EPA 8270	2-Nitrophenol	UG/KG	372	UJ	385	UJ	395	U	393	U	401	UJ	399	UJ
EPA 8270	3 & 4 Methylphenol	UG/KG	372	UJ	385	UJ	395	U	393	U	401	UJ	399	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-21		SB-22		SB-22		SB-22		SB-23		SB-23	
		Field Sample ID:	SB-21-14-15		SB-22-4-5		SB-22-9-10		SB-22-12-13		SB-23-0-1		SB-23-9-10	
		Date:	11/12/13		11/20/13		11/20/13		11/20/13		11/18/13		11/18/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1860	UJ	1920	UJ	1970	UJ	1960	UJ	2000	UJ	2000	UJ
EPA 8270	3-Nitroaniline	UG/KG	1860	UJ	1920	UJ	1970	UJ	1960	UJ	2000	UJ	2000	UJ
EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	744	UJ	770	UJ	789	U	786	U	679	J	799	UJ
EPA 8270	4-Bromophenyl phenyl ether	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	4-Chloro-3-methylphenol	UG/KG	744	UJ	770	UJ	789	U	786	U	802	U	799	UJ
EPA 8270	4-Chloroaniline	UG/KG	1860	UJ	1920	UJ	1970	UJ	1960	UJ	2000	UJ	2000	UJ
EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	4-Nitroaniline	UG/KG	744	UJ	770	UJ	789	UJ	786	UJ	802	UJ	799	UJ
EPA 8270	4-Nitrophenol	UG/KG	1860	UJ	1920	UJ	1970	U	1960	U	2000	UJ	2000	UJ
EPA 8270	Acetophenone	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Atrazine	UG/KG	744	UJ	770	UJ	789	UJ	786	UJ	802	UJ	799	UJ
EPA 8270	Benzaldehyde	UG/KG	744	UR	770	UR	789	UR	786	UR	802	UR	799	UR
EPA 8270	Biphenyl	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	372	U	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Butylbenzylphthalate	UG/KG	372	U	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Caprolactam	UG/KG	372	UJ	385	UJ	395	U	393	U	401	U	399	UJ
EPA 8270	Carbazole	UG/KG	372	UJ	385	UJ	395	U	393	U	401	U	399	UJ
EPA 8270	Di-n-butylphthalate	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Di-n-octylphthalate	UG/KG	372	U	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Dibenzofuran	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Diethylphthalate	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Dimethylphthalate	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Hexachlorobenzene	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Hexachlorobutadiene	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Hexachlorocyclopentadiene	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Hexachloroethane	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Isophorone	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	N-Nitrosodiphenylamine	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Nitrobenzene	UG/KG	372	UJ	385	UJ	395	UJ	393	UJ	401	UJ	399	UJ
EPA 8270	Pentachlorophenol	UG/KG	1860	UJ	1920	UJ	1970	UJ	1960	UJ	2000	U	2000	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-21		SB-22		SB-22		SB-22		SB-23		SB-23	
		Field Sample ID:	SB-21-14-15		SB-22-4-5		SB-22-9-10		SB-22-12-13		SB-23-0-1		SB-23-9-10	
		Date:	11/12/13		11/20/13		11/20/13		11/20/13		11/18/13		11/18/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	Phenol	UG/KG	372	UJ	385	UJ	395	U	393	U	401	U	399	UJ
EPA 8270 by SIM	1-Methylnaphthalene	UG/KG	11.3	U	11.7	U	12	UJ	11.9	UJ	12.1	UJ	12.1	UJ
EPA 8270 by SIM	2-Methylnaphthalene	UG/KG	11.3	U	11.7	U	12	UJ	11.9	UJ	12.1	UJ	12.1	UJ
EPA 8270 by SIM	Acenaphthene	UG/KG	11.3	U	11.7	U	12	UJ	11.9	UJ	12.1	UJ	12.1	UJ
EPA 8270 by SIM	Acenaphthylene	UG/KG	11.3	U	11.7	U	12	UJ	11.9	UJ	12.1	UJ	12.1	UJ
EPA 8270 by SIM	Anthracene	UG/KG	11.3	U	11.7	U	12	UJ	11.9	UJ	12.1	UJ	12.1	UJ
EPA 8270 by SIM	Benzo(a)anthracene	UG/KG	11.3	U	1.3	J	0.97	J	11.9	UJ	5	J	12.1	U
EPA 8270 by SIM	Benzo(a)pyrene	UG/KG	11.3	U	11.7	U	12	UJ	11.9	UJ	4.9	J	12.1	U
EPA 8270 by SIM	Benzo(b)fluoranthene	UG/KG	11.3	U	11.7	U	1.3	J	11.9	UJ	4.4	J	12.1	U
EPA 8270 by SIM	Benzo(ghi)perylene	UG/KG	11.3	U	11.7	U	12	UJ	11.9	UJ	12.1	UJ	12.1	U
EPA 8270 by SIM	Benzo(k)fluoranthene	UG/KG	11.3	U	11.7	U	2.2	J	11.9	UJ	4	J	12.1	U
EPA 8270 by SIM	Chrysene	UG/KG	11.3	U	11.7	U	12	UJ	11.9	UJ	5.3	J	12.1	U
EPA 8270 by SIM	Dibenz(a,h)anthracene	UG/KG	11.3	U	11.7	U	12	UJ	11.9	UJ	12.1	UJ	12.1	U
EPA 8270 by SIM	Fluoranthene	UG/KG	11.3	U	11.7	U	12	UJ	11.9	UJ	11	J	12.1	UJ
EPA 8270 by SIM	Fluorene	UG/KG	11.3	U	11.7	U	12	UJ	11.9	UJ	12.1	UJ	12.1	UJ
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.3	U	11.7	U	12	UJ	11.9	UJ	12.1	UJ	12.1	U
EPA 8270 by SIM	Naphthalene	UG/KG	11.3	U	11.7	U	12	UJ	11.9	UJ	12.1	UJ	12.1	UJ
EPA 8270 by SIM	Phenanthrene	UG/KG	11.3	U	11.7	U	12	UJ	11.9	UJ	4.2	J	12.1	UJ
EPA 8270 by SIM	Pyrene	UG/KG	11.3	U	11.7	U	12	UJ	11.9	UJ	9	J	12.1	UJ

Notes:

UG/KG = microgram per kilogram

Qualifiers-

U = not detected at the reporting limit

UJ = not detected at the reporting limit, estimated

UR = result is rejected

J = result reported is estimated

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-23		SB-24		SB-24		SB-24		SB-25		SB-25	
		Field Sample ID:	SB-23-14-15		SB-24-3-4		SB-24-8-9		SB-24-14-15		SB-25-3-4		SB-25-9-10	
		Date:	11/18/13		11/18/13		11/18/13		11/18/13		11/13/13		11/13/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
ASTM D2974-87	Percent Moisture	%	8.6		10.3		11.6		14.7		12.6		13	
EPA 8260	1,1,1-Trichloroethane	UG/KG	5.4	U	4.6	U	5.6	U	51	J	4.6	U	5.9	U
EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	1,1,2-Trichloroethane	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	1,1-Dichloroethane	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	1,1-Dichloroethene	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	1,2,3-Trichlorobenzene	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	1,2,4-Trichlorobenzene	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	1,2-Dibromoethane	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	1,2-Dichlorobenzene	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	1,2-Dichloroethane	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	1,2-Dichloropropane	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	1,3-Dichlorobenzene	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	1,4-Dichlorobenzene	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	1,4-Dioxane	UG/KG	162	U	138	U	167	U	163	UJ	139	U	178	U
EPA 8260	2-Butanone	UG/KG	108	U	92.3	U	111	U	109	UJ	92.4	U	15.9	J
EPA 8260	2-Hexanone	UG/KG	54.2	U	46.2	U	55.6	U	54.3	UJ	46.2	U	59.5	U
EPA 8260	4-Methyl-2-pentanone	UG/KG	54.2	U	46.2	U	55.6	U	54.3	UJ	46.2	U	59.5	U
EPA 8260	Acetic acid, methyl ester	UG/KG	4.7	J	9.2	U	11.1	U	10.9	UJ	9.2	U	11.9	U
EPA 8260	Acetone	UG/KG	108	U	49.7	J	26.8	J	41.9	J	116		197	J
EPA 8260	Benzene	UG/KG	5.4	U	4.6	U	5.6	U	6.7	J	4.6	U	5.9	U
EPA 8260	Bromochloromethane	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	Bromodichloromethane	UG/KG	5.4	U	4.6	U	5.6	U	5.4	U	4.6	U	5.9	U
EPA 8260	Bromoform	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	Bromomethane	UG/KG	10.8	U	9.2	U	11.1	U	10.9	UJ	9.2	U	11.9	U
EPA 8260	Carbon disulfide	UG/KG	10.8	U	9.2	U	11.1	U	10.9	UJ	9.2	U	11.9	U
EPA 8260	Carbon tetrachloride	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	Chlorobenzene	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	Chlorodibromomethane	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	Chloroethane	UG/KG	10.8	U	9.2	U	11.1	U	10.9	UJ	9.2	U	11.9	U
EPA 8260	Chloroform	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	Chloromethane	UG/KG	10.8	U	9.2	U	11.1	U	10.9	UJ	9.2	U	11.9	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-23		SB-24		SB-24		SB-24		SB-25		SB-25	
		Field Sample ID:	SB-23-14-15		SB-24-3-4		SB-24-8-9		SB-24-14-15		SB-25-3-4		SB-25-9-10	
		Date:	11/18/13		11/18/13		11/18/13		11/18/13		11/13/13		11/13/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8260	Cis-1,2-Dichloroethene	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	cis-1,3-Dichloropropene	UG/KG	5.4	U	4.6	U	5.6	U	5.4	U	4.6	U	5.9	U
EPA 8260	Cyclohexane	UG/KG	5.4	U	4.6	U	5.6	U	26.4	J	4.6	U	5.9	U
EPA 8260	Dichlorodifluoromethane	UG/KG	10.8	U	9.2	U	11.1	U	10.9	UJ	9.2	U	11.9	U
EPA 8260	Ethyl benzene	UG/KG	5.4	U	4.6	U	5.6	U	59.1	J	4.6	U	5.9	U
EPA 8260	Isopropylbenzene	UG/KG	5.4	U	4.6	U	5.6	U	53.1	J	4.6	U	5.9	U
EPA 8260	Methyl cyclohexane	UG/KG	10.8	U	9.2	U	11.1	U	10.9	UJ	9.2	U	11.9	U
EPA 8260	Methyl Tertbutyl Ether	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	Methylene chloride	UG/KG	21.7	U	18.5	U	22.2	U	5.3	J	18.5	U	23.8	U
EPA 8260	Styrene	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	UJ
EPA 8260	Tetrachloroethene	UG/KG	5.4	U	4.6	U	5.6	U	4.4	J	4.6	U	5.9	U
EPA 8260	Toluene	UG/KG	5.4	U	4.6	U	5.6	U	32.5		4.6	U	5.9	U
EPA 8260	trans-1,2-Dichloroethene	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	trans-1,3-Dichloropropene	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	Trichloroethene	UG/KG	5.4	U	4.6	U	5.6	U	6870		4.2	J	27.5	
EPA 8260	Trichlorofluoromethane	UG/KG	5.4	U	4.6	U	5.6	U	5.4	UJ	4.6	U	5.9	U
EPA 8260	Vinyl chloride	UG/KG	10.8	U	9.2	U	11.1	U	10.9	UJ	9.2	U	11.9	U
EPA 8260	Xylene, o	UG/KG	5.4	U	4.6	U	5.6	U	1790		4.6	U	5.9	U
EPA 8260	Xylenes (m&p)	UG/KG	10.8	U	9.2	U	11.1	U	43.9	J	9.2	U	11.9	U
EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	361	UJ	368	UJ	373	UJ	387	U	378	UJ	379	UJ
EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	361	UJ	368	UJ	373	UJ	387	UJ	378	UJ	379	UJ
EPA 8270	2,4,5-Trichlorophenol	UG/KG	361	U	368	U	373	U	387	U	378	UJ	379	UJ
EPA 8270	2,4,6-Trichlorophenol	UG/KG	361	U	368	U	373	U	387	U	378	UJ	379	UJ
EPA 8270	2,4-Dichlorophenol	UG/KG	361	U	368	U	373	U	387	U	378	UJ	379	UJ
EPA 8270	2,4-Dimethylphenol	UG/KG	361	U	368	U	373	U	387	U	378	UJ	379	UJ
EPA 8270	2,4-Dinitrophenol	UG/KG	1810	UJ	1840	U	1870	U	1930	UJ	1890	UJ	1900	UJ
EPA 8270	2,4-Dinitrotoluene	UG/KG	361	U	368	U	373	U	387	UJ	378	UJ	379	UJ
EPA 8270	2,6-Dinitrotoluene	UG/KG	361	U	368	U	373	U	387	UJ	378	UJ	379	UJ
EPA 8270	2-Chloronaphthalene	UG/KG	361	UJ	368	UJ	373	UJ	387	UJ	378	UJ	379	UJ
EPA 8270	2-Chlorophenol	UG/KG	361	U	368	U	373	U	387	U	378	UJ	379	UJ
EPA 8270	2-Methylphenol	UG/KG	361	U	368	U	373	U	387	U	378	UJ	379	UJ
EPA 8270	2-Nitroaniline	UG/KG	1810	UJ	1840	UJ	1870	UJ	1930	UJ	1890	UJ	1900	UJ
EPA 8270	2-Nitrophenol	UG/KG	361	UJ	368	UJ	373	UJ	387	UJ	378	UJ	379	UJ
EPA 8270	3 & 4 Methylphenol	UG/KG	361	U	368	U	373	U	387	U	378	UJ	379	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-23		SB-24		SB-24		SB-24		SB-25		SB-25	
		Field Sample ID:	SB-23-14-15		SB-24-3-4		SB-24-8-9		SB-24-14-15		SB-25-3-4		SB-25-9-10	
		Date:	11/18/13		11/18/13		11/18/13		11/18/13		11/13/13		11/13/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1810	UJ	1840	UJ	1870	UJ	1930	UJ	1890	UJ	1900	UJ
EPA 8270	3-Nitroaniline	UG/KG	1810	UJ	1840	UJ	1870	UJ	1930	UJ	1890	UJ	1900	UJ
EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	722	U	736	U	747	U	774	U	755	UJ	758	UJ
EPA 8270	4-Bromophenyl phenyl ether	UG/KG	361	UJ	368	UJ	373	UJ	387	U	378	UJ	379	UJ
EPA 8270	4-Chloro-3-methylphenol	UG/KG	722	U	736	U	747	U	774	U	755	UJ	758	UJ
EPA 8270	4-Chloroaniline	UG/KG	1810	UJ	1840	UJ	1870	UJ	1930	UJ	1890	UJ	1900	UJ
EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	361	UJ	368	UJ	373	UJ	387	UJ	378	UJ	379	UJ
EPA 8270	4-Nitroaniline	UG/KG	722	UJ	736	UJ	747	UJ	774	UJ	755	UJ	758	UJ
EPA 8270	4-Nitrophenol	UG/KG	1810	U	1840	U	1870	U	1930	U	1890	UJ	1900	UJ
EPA 8270	Acetophenone	UG/KG	361	UJ	368	UJ	373	UJ	387	UJ	378	UJ	379	UJ
EPA 8270	Atrazine	UG/KG	722	UJ	736	UJ	747	UJ	774	U	755	UJ	758	UJ
EPA 8270	Benzaldehyde	UG/KG	722	UR	736	UR	747	UR	774	UR	755	UR	758	UR
EPA 8270	Biphenyl	UG/KG	361	UJ	368	UJ	373	UJ	387	UJ	378	UJ	379	UJ
EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	361	UJ	368	UJ	373	UJ	387	U	378	UJ	379	UJ
EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	361	UJ	368	UJ	373	UJ	387	U	378	UJ	379	UJ
EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	361	UJ	368	UJ	373	UJ	387	U	378	UJ	379	UJ
EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	361	UJ	368	UJ	373	UJ	387	UJ	378	UJ	379	UJ
EPA 8270	Butylbenzylphthalate	UG/KG	361	UJ	368	UJ	373	UJ	387	UJ	378	UJ	379	UJ
EPA 8270	Caprolactam	UG/KG	361	U	368	U	373	U	387	U	378	UJ	379	UJ
EPA 8270	Carbazole	UG/KG	361	U	368	U	373	U	387	U	378	UJ	379	UJ
EPA 8270	Di-n-butylphthalate	UG/KG	361	UJ	368	UJ	373	UJ	387	UJ	378	UJ	379	UJ
EPA 8270	Di-n-octylphthalate	UG/KG	361	UJ	368	UJ	373	UJ	387	UJ	378	UJ	379	UJ
EPA 8270	Dibenzofuran	UG/KG	361	UJ	368	UJ	373	UJ	387	UJ	378	UJ	379	UJ
EPA 8270	Diethylphthalate	UG/KG	361	UJ	368	UJ	373	UJ	387	UJ	378	UJ	379	UJ
EPA 8270	Dimethylphthalate	UG/KG	361	UJ	368	UJ	373	UJ	387	UJ	378	UJ	379	UJ
EPA 8270	Hexachlorobenzene	UG/KG	361	UJ	368	UJ	373	UJ	387	UJ	378	UJ	379	UJ
EPA 8270	Hexachlorobutadiene	UG/KG	361	UJ	368	UJ	373	UJ	387	U	378	UJ	379	UJ
EPA 8270	Hexachlorocyclopentadiene	UG/KG	361	UJ	368	UJ	373	UJ	387	U	378	UJ	379	UJ
EPA 8270	Hexachloroethane	UG/KG	361	UJ	368	UJ	373	UJ	387	U	378	UJ	379	UJ
EPA 8270	Isophorone	UG/KG	361	UJ	368	UJ	373	UJ	387	U	378	UJ	379	UJ
EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	361	UJ	368	UJ	373	UJ	387	U	378	UJ	379	UJ
EPA 8270	N-Nitrosodiphenylamine	UG/KG	361	UJ	368	UJ	373	UJ	387	UJ	378	UJ	379	UJ
EPA 8270	Nitrobenzene	UG/KG	361	UJ	368	UJ	373	UJ	387	U	378	UJ	379	UJ
EPA 8270	Pentachlorophenol	UG/KG	1810	U	1840	U	1870	U	1930	U	1890	UJ	1900	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-23		SB-24		SB-24		SB-24		SB-25		SB-25	
		Field Sample ID:	SB-23-14-15		SB-24-3-4		SB-24-8-9		SB-24-14-15		SB-25-3-4		SB-25-9-10	
		Date:	11/18/13		11/18/13		11/18/13		11/18/13		11/13/13		11/13/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270	Phenol	UG/KG	361	U	368	U	373	U	387	U	378	UJ	379	UJ
EPA 8270 by SIM	1-Methylnaphthalene	UG/KG	10.9	UJ	11.2	UJ	11.3	UJ	2980		11.4	UJ	11.5	UJ
EPA 8270 by SIM	2-Methylnaphthalene	UG/KG	10.9	UJ	11.2	UJ	11.3	UJ	1050		11.4	UJ	11.5	UJ
EPA 8270 by SIM	Acenaphthene	UG/KG	10.9	UJ	11.2	UJ	11.3	UJ	841		11.4	UJ	11.5	UJ
EPA 8270 by SIM	Acenaphthylene	UG/KG	10.9	UJ	11.2	UJ	11.3	UJ	234	U	11.4	UJ	11.5	UJ
EPA 8270 by SIM	Anthracene	UG/KG	10.9	UJ	11.2	UJ	11.3	UJ	350		11.4	UJ	11.5	UJ
EPA 8270 by SIM	Benzo(a)anthracene	UG/KG	10.9	U	11.2	U	11.3	UJ	234	U	11.4	UJ	11.5	UJ
EPA 8270 by SIM	Benzo(a)pyrene	UG/KG	10.9	U	11.2	U	11.3	UJ	234	U	11.4	UJ	11.5	UJ
EPA 8270 by SIM	Benzo(b)fluoranthene	UG/KG	10.9	U	11.2	U	11.3	UJ	234	U	11.4	UJ	11.5	UJ
EPA 8270 by SIM	Benzo(ghi)perylene	UG/KG	10.9	U	11.2	U	11.3	UJ	234	U	11.4	UJ	11.5	UJ
EPA 8270 by SIM	Benzo(k)fluoranthene	UG/KG	10.9	U	11.2	U	11.3	UJ	234	U	11.4	UJ	11.5	UJ
EPA 8270 by SIM	Chrysene	UG/KG	10.9	U	11.2	U	11.3	UJ	234	U	11.4	UJ	11.5	UJ
EPA 8270 by SIM	Dibenz(a,h)anthracene	UG/KG	10.9	U	11.2	U	11.3	UJ	234	U	11.4	UJ	11.5	UJ
EPA 8270 by SIM	Fluoranthene	UG/KG	10.9	UJ	11.2	UJ	11.3	UJ	234	U	11.4	UJ	11.5	UJ
EPA 8270 by SIM	Fluorene	UG/KG	1.9	J	11.2	UJ	11.3	UJ	663		11.4	UJ	11.5	UJ
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	UG/KG	10.9	U	11.2	U	11.3	UJ	234	U	11.4	UJ	11.5	UJ
EPA 8270 by SIM	Naphthalene	UG/KG	10.9	UJ	11.2	UJ	11.3	UJ	234	U	11.4	UJ	11.5	UJ
EPA 8270 by SIM	Phenanthrene	UG/KG	26.3	J	11.2	UJ	11.3	UJ	806		11.4	UJ	11.5	UJ
EPA 8270 by SIM	Pyrene	UG/KG	10.9	UJ	11.2	UJ	11.3	UJ	565		11.4	UJ	11.5	UJ

Notes:

UG/KG = microgram per kilogram

Qualifiers-

U = not detected at the reporting limit

UJ = not detected at the reporting limit, estimated

UR = result is rejected

J = result reported is estimated

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-25	
		Field Sample ID:	SB-25-13-14	
		Date:	11/13/13	
Method	**Parameter**	**Units**	**Result**	**Qual**
ASTM D2974-87	Percent Moisture	%	23.6	
EPA 8260	1,1,1-Trichloroethane	UG/KG	6	U
EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	6	UJ
EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG	6	U
EPA 8260	1,1,2-Trichloroethane	UG/KG	6	U
EPA 8260	1,1-Dichloroethane	UG/KG	6	U
EPA 8260	1,1-Dichloroethene	UG/KG	6	U
EPA 8260	1,2,3-Trichlorobenzene	UG/KG	6	UJ
EPA 8260	1,2,4-Trichlorobenzene	UG/KG	6	UJ
EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	6	UJ
EPA 8260	1,2-Dibromoethane	UG/KG	6	U
EPA 8260	1,2-Dichlorobenzene	UG/KG	6	UJ
EPA 8260	1,2-Dichloroethane	UG/KG	6	U
EPA 8260	1,2-Dichloropropane	UG/KG	6	U
EPA 8260	1,3-Dichlorobenzene	UG/KG	6	UJ
EPA 8260	1,4-Dichlorobenzene	UG/KG	6	UJ
EPA 8260	1,4-Dioxane	UG/KG	181	U
EPA 8260	2-Butanone	UG/KG	196	
EPA 8260	2-Hexanone	UG/KG	60.3	U
EPA 8260	4-Methyl-2-pentanone	UG/KG	60.3	U
EPA 8260	Acetic acid, methyl ester	UG/KG	145	
EPA 8260	Acetone	UG/KG	1290	J
EPA 8260	Benzene	UG/KG	6	U
EPA 8260	Bromochloromethane	UG/KG	6	U
EPA 8260	Bromodichloromethane	UG/KG	6	U
EPA 8260	Bromoform	UG/KG	6	U
EPA 8260	Bromomethane	UG/KG	12.1	U
EPA 8260	Carbon disulfide	UG/KG	12.1	U
EPA 8260	Carbon tetrachloride	UG/KG	6	U
EPA 8260	Chlorobenzene	UG/KG	6	U
EPA 8260	Chlorodibromomethane	UG/KG	6	U
EPA 8260	Chloroethane	UG/KG	12.1	U
EPA 8260	Chloroform	UG/KG	6	U
EPA 8260	Chloromethane	UG/KG	12.1	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-25	
		Field Sample ID:	SB-25-13-14	
		Date:	11/13/13	
Method	Parameter	Units	Result	Qual
EPA 8260	Cis-1,2-Dichloroethene	UG/KG	5.7	J
EPA 8260	cis-1,3-Dichloropropene	UG/KG	6	U
EPA 8260	Cyclohexane	UG/KG	6	UJ
EPA 8260	Dichlorodifluoromethane	UG/KG	12.1	U
EPA 8260	Ethyl benzene	UG/KG	6	U
EPA 8260	Isopropylbenzene	UG/KG	6	UJ
EPA 8260	Methyl cyclohexane	UG/KG	12.1	U
EPA 8260	Methyl Tertbutyl Ether	UG/KG	6	U
EPA 8260	Methylene chloride	UG/KG	24.1	U
EPA 8260	Styrene	UG/KG	6	U
EPA 8260	Tetrachloroethene	UG/KG	2.1	J
EPA 8260	Toluene	UG/KG	6	U
EPA 8260	trans-1,2-Dichloroethene	UG/KG	6	U
EPA 8260	trans-1,3-Dichloropropene	UG/KG	6	U
EPA 8260	Trichloroethene	UG/KG	492	
EPA 8260	Trichlorofluoromethane	UG/KG	6	U
EPA 8260	Vinyl chloride	UG/KG	12.1	U
EPA 8260	Xylene, o	UG/KG	6	U
EPA 8260	Xylenes (m&p)	UG/KG	12.1	U
EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	432	UJ
EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	432	U
EPA 8270	2,4,5-Trichlorophenol	UG/KG	432	U
EPA 8270	2,4,6-Trichlorophenol	UG/KG	432	U
EPA 8270	2,4-Dichlorophenol	UG/KG	432	U
EPA 8270	2,4-Dimethylphenol	UG/KG	432	U
EPA 8270	2,4-Dinitrophenol	UG/KG	2160	UJ
EPA 8270	2,4-Dinitrotoluene	UG/KG	432	UJ
EPA 8270	2,6-Dinitrotoluene	UG/KG	432	UJ
EPA 8270	2-Chloronaphthalene	UG/KG	432	UJ
EPA 8270	2-Chlorophenol	UG/KG	432	U
EPA 8270	2-Methylphenol	UG/KG	432	U
EPA 8270	2-Nitroaniline	UG/KG	2160	UJ
EPA 8270	2-Nitrophenol	UG/KG	432	UJ
EPA 8270	3 & 4 Methylphenol	UG/KG	432	U

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-25	
		Field Sample ID:	SB-25-13-14	
		Date:	11/13/13	
Method	**Parameter**	**Units**	**Result**	**Qual**
EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2160	UJ
EPA 8270	3-Nitroaniline	UG/KG	2160	UJ
EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	864	U
EPA 8270	4-Bromophenyl phenyl ether	UG/KG	432	UJ
EPA 8270	4-Chloro-3-methylphenol	UG/KG	864	U
EPA 8270	4-Chloroaniline	UG/KG	2160	UJ
EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	432	UJ
EPA 8270	4-Nitroaniline	UG/KG	864	UJ
EPA 8270	4-Nitrophenol	UG/KG	2160	U
EPA 8270	Acetophenone	UG/KG	432	UJ
EPA 8270	Atrazine	UG/KG	864	UJ
EPA 8270	Benzaldehyde	UG/KG	864	UR
EPA 8270	Biphenyl	UG/KG	432	UJ
EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	432	UJ
EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	432	UJ
EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	432	UJ
EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	432	U
EPA 8270	Butylbenzylphthalate	UG/KG	432	U
EPA 8270	Caprolactam	UG/KG	432	UJ
EPA 8270	Carbazole	UG/KG	432	UJ
EPA 8270	Di-n-butylphthalate	UG/KG	432	UJ
EPA 8270	Di-n-octylphthalate	UG/KG	432	U
EPA 8270	Dibenzofuran	UG/KG	432	UJ
EPA 8270	Diethylphthalate	UG/KG	432	UJ
EPA 8270	Dimethylphthalate	UG/KG	432	UJ
EPA 8270	Hexachlorobenzene	UG/KG	432	UJ
EPA 8270	Hexachlorobutadiene	UG/KG	432	UJ
EPA 8270	Hexachlorocyclopentadiene	UG/KG	432	UJ
EPA 8270	Hexachloroethane	UG/KG	432	UJ
EPA 8270	Isophorone	UG/KG	432	UJ
EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	432	UJ
EPA 8270	N-Nitrosodiphenylamine	UG/KG	432	UJ
EPA 8270	Nitrobenzene	UG/KG	432	UJ
EPA 8270	Pentachlorophenol	UG/KG	2160	UJ

TABLE F.3a
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9540

		Location:	SB-25	
		Field Sample ID:	SB-25-13-14	
		Date:	11/13/13	
Method	**Parameter**	**Units**	**Result**	**Qual**
EPA 8270	Phenol	UG/KG	432	U
EPA 8270 by SIM	1-Methylnaphthalene	UG/KG	13.1	U
EPA 8270 by SIM	2-Methylnaphthalene	UG/KG	13.1	U
EPA 8270 by SIM	Acenaphthene	UG/KG	13.1	U
EPA 8270 by SIM	Acenaphthylene	UG/KG	13.1	UJ
EPA 8270 by SIM	Anthracene	UG/KG	13.1	U
EPA 8270 by SIM	Benzo(a)anthracene	UG/KG	13.1	U
EPA 8270 by SIM	Benzo(a)pyrene	UG/KG	13.1	U
EPA 8270 by SIM	Benzo(b)fluoranthene	UG/KG	13.1	UJ
EPA 8270 by SIM	Benzo(ghi)perylene	UG/KG	13.1	UJ
EPA 8270 by SIM	Benzo(k)fluoranthene	UG/KG	13.1	UJ
EPA 8270 by SIM	Chrysene	UG/KG	13.1	U
EPA 8270 by SIM	Dibenz(a,h)anthracene	UG/KG	13.1	U
EPA 8270 by SIM	Fluoranthene	UG/KG	13.1	U
EPA 8270 by SIM	Fluorene	UG/KG	13.1	UJ
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	UG/KG	13.1	U
EPA 8270 by SIM	Naphthalene	UG/KG	13.1	U
EPA 8270 by SIM	Phenanthrene	UG/KG	13.1	U
EPA 8270 by SIM	Pyrene	UG/KG	143	J

Notes:
UG/KG = microgram per kilogram
Qualifiers-
U = not detected at the reporting limit
UJ = not detected at the reporting limit, estimated
UR = result is rejected
J = result reported is estimated

TABLE F.3b
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

		Location:	QC		QC		QC		QC		QC	
		Field Sample ID:	CTS-STB-01		CTS-STB-02		CTS-STB-03		CTS-STB-04		CTS-STB-05	
		Date:	11/12/13		11/12/13		11/18/13		11/19/13		11/20/13	
Method	Parameter	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8260	1,1,1-Trichloroethane	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	1,1,2-Trichloroethane	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	1,1-Dichloroethane	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	1,1-Dichloroethene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	1,2,3-Trichlorobenzene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	1,2,4-Trichlorobenzene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	1,2-Dibromoethane	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	1,2-Dichlorobenzene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	1,2-Dichloroethane	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	1,2-Dichloropropane	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	1,3-Dichlorobenzene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	1,4-Dichlorobenzene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	1,4-Dioxane	UG/KG					150	U	150	U	150	U
EPA 8260	2-Butanone	UG/KG	100	U	100	U	100	U	100	U	100	U
EPA 8260	2-Hexanone	UG/KG	50	U	50	U	50	U	50	U	50	U
EPA 8260	4-Methyl-2-pentanone	UG/KG	50	U	50	U	50	U	50	U	50	U
EPA 8260	Acetic acid, methyl ester	UG/KG	10	U	10	U	10	U	10	U	10	U
EPA 8260	Acetone	UG/KG	12.2	J	256		100	U	100	U	100	U
EPA 8260	Benzene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Bromochloromethane	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Bromodichloromethane	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Bromoform	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Bromomethane	UG/KG	10	U	10	U	10	U	10	U	10	U
EPA 8260	Carbon disulfide	UG/KG	10	U	10	U	10	U	10	U	10	U
EPA 8260	Carbon tetrachloride	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Chlorobenzene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Chlorodibromomethane	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Chloroethane	UG/KG	10	U	10	U	10	U	10	U	10	U
EPA 8260	Chloroform	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Chloromethane	UG/KG	10	U	10	U	10	U	10	U	10	U
EPA 8260	Cis-1,2-Dichloroethene	UG/KG	5	U	5	U	5	U	5	U	5	U

TABLE F.3b
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

		Location:	QC		QC		QC		QC		QC	
		Field Sample ID:	CTS-STB-01		CTS-STB-02		CTS-STB-03		CTS-STB-04		CTS-STB-05	
		Date:	11/12/13		11/12/13		11/18/13		11/19/13		11/20/13	
Method	**Parameter**	**Units**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**	**Result**	**Qual**
EPA 8260	cis-1,3-Dichloropropene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Cyclohexane	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Dichlorodifluoromethane	UG/KG	10	U	10	U	10	U	10	U	10	U
EPA 8260	Ethyl benzene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Isopropylbenzene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Methyl cyclohexane	UG/KG	10	U	10	U	10	U	10	U	10	U
EPA 8260	Methyl Tertbutyl Ether	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Methylene chloride	UG/KG	20	U	20	U	20	U	20	U	20	U
EPA 8260	Styrene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Tetrachloroethene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Toluene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	trans-1,2-Dichloroethene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	trans-1,3-Dichloropropene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Trichloroethene	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Trichlorofluoromethane	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Vinyl chloride	UG/KG	10	U	10	U	10	U	10	U	10	U
EPA 8260	Xylene, o	UG/KG	5	U	5	U	5	U	5	U	5	U
EPA 8260	Xylenes (m&p)	UG/KG	10	U	10	U	10	U	10	U	10	U
EPA 8260	Xylenes, Total	UG/KG	10	U	10	U						

Notes:
UG/KG = microgram per kilogram
Qualifiers-
U = not detected at the reporting limit
J = result reported is estimated

Prepared By: WCG 3/19/14
Checked By: WDC 3/19/14

TABLE F.3c
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

		Location:	QC		QC	
		Field Sample ID:	CTS-RB-01		CTS-RB-02	
		Date:	11/13/13		11/13/13	
Method	Parameter	Units	Result	Qual	Result	Qual
EPA 8260	1,1,1-Trichloroethane	UG/L	1	U	1	U
EPA 8260	1,1,2,2-Tetrachloroethane	UG/L	1	U	1	U
EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/L	1	U	1	U
EPA 8260	1,1,2-Trichloroethane	UG/L	1	U	1	U
EPA 8260	1,1-Dichloroethane	UG/L	1	U	1	U
EPA 8260	1,1-Dichloroethene	UG/L	1	U	1	U
EPA 8260	1,2,3-Trichlorobenzene	UG/L	1	U	1	U
EPA 8260	1,2,4-Trichlorobenzene	UG/L	1	U	1	U
EPA 8260	1,2-Dibromo-3-chloropropane	UG/L	5	U	5	U
EPA 8260	1,2-Dibromoethane	UG/L	1	U	1	U
EPA 8260	1,2-Dichlorobenzene	UG/L	1	U	0.61	J
EPA 8260	1,2-Dichloroethane	UG/L	1	U	1	U
EPA 8260	1,2-Dichloropropane	UG/L	1	U	1	U
EPA 8260	1,3-Dichlorobenzene	UG/L	1	U	1	U
EPA 8260	1,4-Dichlorobenzene	UG/L	1	U	1	U
EPA 8260	1,4-Dioxane	UG/L	150	U	150	U
EPA 8260	2-Butanone	UG/L	5	U	5	U
EPA 8260	2-Hexanone	UG/L	5	U	5	U
EPA 8260	4-Methyl-2-pentanone	UG/L	5	U	5	U
EPA 8260	Acetic acid, methyl ester	UG/L	10	U	10	U
EPA 8260	Acetone	UG/L	25	U	25	U
EPA 8260	Benzene	UG/L	1	U	1	U
EPA 8260	Bromochloromethane	UG/L	1	U	1	U
EPA 8260	Bromodichloromethane	UG/L	1	U	1	U
EPA 8260	Bromoform	UG/L	1	U	1	U
EPA 8260	Bromomethane	UG/L	2	U	2	U
EPA 8260	Carbon disulfide	UG/L	2	U	2	U
EPA 8260	Carbon tetrachloride	UG/L	1	U	1	U
EPA 8260	Chlorobenzene	UG/L	1	U	1	U
EPA 8260	Chlorodibromomethane	UG/L	1	U	1	U
EPA 8260	Chloroethane	UG/L	1	U	1	U
EPA 8260	Chloroform	UG/L	2.1		2	
EPA 8260	Chloromethane	UG/L	1	U	1	U
EPA 8260	Cis-1,2-Dichloroethene	UG/L	1	U	1	U

TABLE F.3c
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

		Location:	QC		QC	
		Field Sample ID:	CTS-RB-01		CTS-RB-02	
		Date:	11/13/13		11/13/13	
Method	Parameter	Units	Result	Qual	Result	Qual
EPA 8260	cis-1,3-Dichloropropene	UG/L	1	U	1	U
EPA 8260	Cyclohexane	UG/L	1	U	1	U
EPA 8260	Dichlorodifluoromethane	UG/L	1	U	1	U
EPA 8260	Ethyl benzene	UG/L	1	U	1	U
EPA 8260	Isopropylbenzene	UG/L	1	U	1	U
EPA 8260	Methyl cyclohexane	UG/L	10	U	10	U
EPA 8260	Methyl Tertbutyl Ether	UG/L	1	U	1	U
EPA 8260	Methylene chloride	UG/L	3.1		4.4	
EPA 8260	Styrene	UG/L	1	U	1	U
EPA 8260	Tetrachloroethene	UG/L	1	U	1	U
EPA 8260	Toluene	UG/L	1	U	1	U
EPA 8260	trans-1,2-Dichloroethene	UG/L	1	U	1	U
EPA 8260	trans-1,3-Dichloropropene	UG/L	1	U	1	U
EPA 8260	Trichloroethene	UG/L	1	U	1	U
EPA 8260	Trichlorofluoromethane	UG/L	1	U	1	U
EPA 8260	Vinyl chloride	UG/L	1	U	1	U
EPA 8260	Xylene, o	UG/L	1	U	1	U
EPA 8260	Xylenes (m&p)	UG/L	2	U	2	U
EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/L	10	U	10	U
EPA 8270	2,3,4,6-Tetrachlorophenol	UG/L	10	U	10	U
EPA 8270	2,4,5-Trichlorophenol	UG/L	10	U	10	U
EPA 8270	2,4,6-Trichlorophenol	UG/L	10	U	10	U
EPA 8270	2,4-Dichlorophenol	UG/L	10	U	10	U
EPA 8270	2,4-Dimethylphenol	UG/L	10	U	10	U
EPA 8270	2,4-Dinitrophenol	UG/L	50	U	50	U
EPA 8270	2,4-Dinitrotoluene	UG/L	10	U	10	U
EPA 8270	2,6-Dinitrotoluene	UG/L	10	U	10	U
EPA 8270	2-Chloronaphthalene	UG/L	10	U	10	U
EPA 8270	2-Chlorophenol	UG/L	10	U	10	U
EPA 8270	2-Methylphenol	UG/L	10	U	10	U
EPA 8270	2-Nitroaniline	UG/L	50	U	50	U
EPA 8270	2-Nitrophenol	UG/L	10	U	10	U
EPA 8270	3 & 4 Methylphenol	UG/L	10	U	10	U
EPA 8270	3,3'-Dichlorobenzidine	UG/L	20	U	20	U

TABLE F.3c
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

		Location:	QC		QC	
		Field Sample ID:	CTS-RB-01		CTS-RB-02	
		Date:	11/13/13		11/13/13	
Method	Parameter	Units	Result	Qual	Result	Qual
EPA 8270	3-Nitroaniline	UG/L	50	U	50	U
EPA 8270	4,6-Dinitro-2-methylphenol	UG/L	20	U	20	U
EPA 8270	4-Bromophenyl phenyl ether	UG/L	10	U	10	U
EPA 8270	4-Chloro-3-methylphenol	UG/L	20	U	20	U
EPA 8270	4-Chloroaniline	UG/L	20	U	20	U
EPA 8270	4-Chlorophenyl phenyl ether	UG/L	10	U	10	U
EPA 8270	4-Nitroaniline	UG/L	20	U	20	U
EPA 8270	4-Nitrophenol	UG/L	50	U	50	U
EPA 8270	Acetophenone	UG/L	10	U	10	U
EPA 8270	Atrazine	UG/L	20	U	20	U
EPA 8270	Benzaldehyde	UG/L	20	U	20	U
EPA 8270	Biphenyl	UG/L	10	U	10	U
EPA 8270	Bis(2-Chloroethoxy)methane	UG/L	10	U	10	U
EPA 8270	Bis(2-Chloroethyl)ether	UG/L	10	U	10	U
EPA 8270	Bis(2-Chloroisopropyl)ether	UG/L	10	U	10	U
EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/L	6	U	6	U
EPA 8270	Butylbenzylphthalate	UG/L	10	U	10	U
EPA 8270	Caprolactam	UG/L	10	U	10	U
EPA 8270	Carbazole	UG/L	10	U	10	U
EPA 8270	Di-n-butylphthalate	UG/L	10	U	10	U
EPA 8270	Di-n-octylphthalate	UG/L	10	U	10	U
EPA 8270	Dibenzofuran	UG/L	10	U	10	U
EPA 8270	Diethylphthalate	UG/L	10	U	10	U
EPA 8270	Dimethylphthalate	UG/L	10	U	10	U
EPA 8270	Hexachlorobenzene	UG/L	10	U	10	U
EPA 8270	Hexachlorobutadiene	UG/L	10	U	10	U
EPA 8270	Hexachlorocyclopentadiene	UG/L	10	U	10	U
EPA 8270	Hexachloroethane	UG/L	10	U	10	U
EPA 8270	Isophorone	UG/L	10	U	10	U
EPA 8270	N-Nitrosodi-n-propylamine	UG/L	10	U	10	U
EPA 8270	N-Nitrosodiphenylamine	UG/L	10	U	10	U
EPA 8270	Nitrobenzene	UG/L	10	U	10	U
EPA 8270	Pentachlorophenol	UG/L	25	U	25	U
EPA 8270	Phenol	UG/L	10	U	10	U

TABLE F.3c
Data Validation Report: Summary of Final Analytical Results
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

		Location:	QC		QC	
		Field Sample ID:	CTS-RB-01		CTS-RB-02	
		Date:	11/13/13		11/13/13	
Method	Parameter	Units	Result	Qual	Result	Qual
EPA 8270 by SIM	1-Methylnaphthalene	UG/L	2	U	2	U
EPA 8270 by SIM	2-Methylnaphthalene	UG/L	2	U	2	U
EPA 8270 by SIM	Acenaphthene	UG/L	2	U	2	U
EPA 8270 by SIM	Acenaphthylene	UG/L	1.5	U	1.5	U
EPA 8270 by SIM	Anthracene	UG/L	0.05	U	0.05	U
EPA 8270 by SIM	Benzo(a)anthracene	UG/L	0.1	U	0.1	U
EPA 8270 by SIM	Benzo(a)pyrene	UG/L	0.2	U	0.2	U
EPA 8270 by SIM	Benzo(b)fluoranthene	UG/L	0.3	U	0.3	U
EPA 8270 by SIM	Benzo(ghi)perylene	UG/L	0.2	U	0.2	U
EPA 8270 by SIM	Benzo(k)fluoranthene	UG/L	0.2	U	0.2	U
EPA 8270 by SIM	Chrysene	UG/L	0.1	U	0.1	U
EPA 8270 by SIM	Dibenz(a,h)anthracene	UG/L	0.2	U	0.2	U
EPA 8270 by SIM	Fluoranthene	UG/L	0.3	U	0.3	U
EPA 8270 by SIM	Fluorene	UG/L	0.31	U	0.31	U
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	UG/L	0.2	U	0.2	U
EPA 8270 by SIM	Naphthalene	UG/L	1.5	U	1.5	U
EPA 8270 by SIM	Phenanthrene	UG/L	0.2	U	0.2	U
EPA 8270 by SIM	Pyrene	UG/L	0.1	U	0.1	U

Notes:

UG/L = microgram per liter

Qualifiers-

U = not detected at the reporting limit

UJ = not detected at the reporting limit, estimated

UR = result is rejected

J = result reported is estimated

Prepared By: WCG 3/19/14

Checked By: WDC 3/19/14

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-17-9-10	92179407012	EPA 8260	1,1,1-Trichloroethane	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	1,1,1-Trichloroethane	UG/KG	302	E	J	SS-H, IS-L, E
92179407	SB-17-0-1	92179407011	EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	5.1	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	5.6	U	UJ	SS-L
92179407	SB-25-13-14	92179407023	EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	6	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG	5.2	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	1,1,2-Trichloroethane	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	1,1,2-Trichloroethane	UG/KG	5.6	U	UJ	SS-L, IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	1,1-Dichloroethane	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	1,1-Dichloroethane	UG/KG	5.6	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	1,1-Dichloroethene	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	1,1-Dichloroethene	UG/KG	5.6	U	UJ	IS-L
92179407	SB-17-0-1	92179407011	EPA 8260	1,2,3-Trichlorobenzene	UG/KG	5.1	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	1,2,3-Trichlorobenzene	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	1,2,3-Trichlorobenzene	UG/KG	5.6	U	UJ	SS-L
92179407	SB-25-13-14	92179407023	EPA 8260	1,2,3-Trichlorobenzene	UG/KG	6	U	UJ	IS-L
92179407	SB-17-0-1	92179407011	EPA 8260	1,2,4-Trichlorobenzene	UG/KG	5.1	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	1,2,4-Trichlorobenzene	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	1,2,4-Trichlorobenzene	UG/KG	5.6	U	UJ	SS-L
92179407	SB-25-13-14	92179407023	EPA 8260	1,2,4-Trichlorobenzene	UG/KG	6	U	UJ	IS-L
92179407	SB-17-0-1	92179407011	EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	5.1	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	5.6	U	UJ	SS-L
92179407	SB-25-13-14	92179407023	EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	6	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	1,2-Dibromoethane	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	1,2-Dibromoethane	UG/KG	5.6	U	UJ	SS-L, IS-L
92179407	SB-17-0-1	92179407011	EPA 8260	1,2-Dichlorobenzene	UG/KG	5.1	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	1,2-Dichlorobenzene	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	1,2-Dichlorobenzene	UG/KG	5.6	U	UJ	SS-L
92179407	SB-25-13-14	92179407023	EPA 8260	1,2-Dichlorobenzene	UG/KG	6	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	1,2-Dichloroethane	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	1,2-Dichloroethane	UG/KG	5.6	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	1,2-Dichloropropane	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	1,2-Dichloropropane	UG/KG	5.6	U	UJ	IS-L
92179407	SB-17-0-1	92179407011	EPA 8260	1,3-Dichlorobenzene	UG/KG	5.1	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	1,3-Dichlorobenzene	UG/KG	5.2	U	UJ	IS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-19-14-15	92179407017	EPA 8260	1,3-Dichlorobenzene	UG/KG	5.6	U	UJ	SS-L
92179407	SB-25-13-14	92179407023	EPA 8260	1,3-Dichlorobenzene	UG/KG	6	U	UJ	IS-L
92179407	SB-17-0-1	92179407011	EPA 8260	1,4-Dichlorobenzene	UG/KG	5.1	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	1,4-Dichlorobenzene	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	1,4-Dichlorobenzene	UG/KG	5.6	U	UJ	SS-L
92179407	SB-25-13-14	92179407023	EPA 8260	1,4-Dichlorobenzene	UG/KG	6	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	1,4-Dioxane	UG/KG	156	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	1,4-Dioxane	UG/KG	167	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	2-Butanone	UG/KG	44.6	J	J	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	2-Butanone	UG/KG	88.5	J	J	SS-H, IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	2-Hexanone	UG/KG	52	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	2-Hexanone	UG/KG	55.5	U	UJ	SS-L, IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	4-Methyl-2-pentanone	UG/KG	52	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	4-Methyl-2-pentanone	UG/KG	55.5	U	UJ	SS-L, IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Acetic acid, methyl ester	UG/KG	10.4	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Acetic acid, methyl ester	UG/KG	11.1	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Acetone	UG/KG	195	A+	J	IS-L
92179407	SB-18-10-12	92179407020	EPA 8260	Acetone	UG/KG	134	A+	J	FD
92179407	SB-19-14-15	92179407017	EPA 8260	Acetone	UG/KG	292	A+	J	SS-H, IS-L
92179407	SB-25-13-14	92179407023	EPA 8260	Acetone	UG/KG	1,290	E	J	E
92179407	SB-25-9-10	92179407022	EPA 8260	Acetone	UG/KG	197	A+	J	MS-H, MS-RPD
92179407	SB-501	92179407014	EPA 8260	Acetone	UG/KG	394		J	FD
92179407	SB-17-9-10	92179407012	EPA 8260	Benzene	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Benzene	UG/KG	1.9	J	J	SS-H, IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Bromochloromethane	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Bromochloromethane	UG/KG	5.6	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Bromodichloromethane	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Bromodichloromethane	UG/KG	5.6	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Bromoform	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Bromoform	UG/KG	5.6	U	UJ	SS-L, IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Bromomethane	UG/KG	10.4	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Bromomethane	UG/KG	11.1	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Carbon disulfide	UG/KG	10.4	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Carbon disulfide	UG/KG	11.1	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Carbon tetrachloride	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Carbon tetrachloride	UG/KG	5.6	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Chlorobenzene	UG/KG	5.2	U	UJ	IS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-19-14-15	92179407017	EPA 8260	Chlorobenzene	UG/KG	5.6	U	UJ	SS-L, IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Chlorodibromomethane	UG/KG	5.2	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Chloroethane	UG/KG	10.4	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Chloroethane	UG/KG	11.1	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Chloroform	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Chloroform	UG/KG	5.6	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Chloromethane	UG/KG	10.4	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Chloromethane	UG/KG	11.1	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Cis-1,2-Dichloroethene	UG/KG	5.2	U	UJ	IS-L
92179407	SB-18-10-12	92179407020	EPA 8260	Cis-1,2-Dichloroethene	UG/KG	9.2		J	FD
92179407	SB-19-14-15	92179407017	EPA 8260	Cis-1,2-Dichloroethene	UG/KG	49.2		J	SS-H, IS-L
92179407	SB-501	92179407014	EPA 8260	Cis-1,2-Dichloroethene	UG/KG	18		J	FD
92179407	SB-17-9-10	92179407012	EPA 8260	cis-1,3-Dichloropropene	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	cis-1,3-Dichloropropene	UG/KG	5.6	U	UJ	IS-L
92179407	SB-17-0-1	92179407011	EPA 8260	Cyclohexane	UG/KG	5.1	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Cyclohexane	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Cyclohexane	UG/KG	15.5		J	SS-H, IS-L
92179407	SB-25-13-14	92179407023	EPA 8260	Cyclohexane	UG/KG	6	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Dichlorodifluoromethane	UG/KG	10.4	U,IO	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Dichlorodifluoromethane	UG/KG	11.1	U,IO	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Ethyl benzene	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Ethyl benzene	UG/KG	15.4		J	SS-L, IS-L
92179407	SB-17-0-1	92179407011	EPA 8260	Isopropylbenzene	UG/KG	5.1	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Isopropylbenzene	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Isopropylbenzene	UG/KG	27.6		J	SS-L
92179407	SB-25-13-14	92179407023	EPA 8260	Isopropylbenzene	UG/KG	6	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Methyl cyclohexane	UG/KG	10.4	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Methyl cyclohexane	UG/KG	11.1	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Methyl Tertbutyl Ether	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Methyl Tertbutyl Ether	UG/KG	5.6	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Methylene chloride	UG/KG	4.1	J	J	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Methylene chloride	UG/KG	9.8	J	J	SS-H, IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Styrene	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Styrene	UG/KG	5.6	U	UJ	SS-L, IS-L
92179407	SB-25-9-10	92179407022	EPA 8260	Styrene	UG/KG	5.9	U	UJ	MS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Tetrachloroethene	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Tetrachloroethene	UG/KG	117		J	SS-L, IS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-17-9-10	92179407012	EPA 8260	Toluene	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Toluene	UG/KG	4.6	J	J	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	trans-1,2-Dichloroethene	UG/KG	5.2	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	trans-1,3-Dichloropropene	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	trans-1,3-Dichloropropene	UG/KG	5.6	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Trichloroethene	UG/KG	929		J	IS-L
92179407	SB-18-10-12	92179407020	EPA 8260	Trichloroethene	UG/KG	191		J	FD
92179407	SB-19-14-15	92179407017	EPA 8260	Trichloroethene	UG/KG	11,800		J	IS-L
92179407	SB-501	92179407014	EPA 8260	Trichloroethene	UG/KG	361		J	FD
92179407	SB-17-9-10	92179407012	EPA 8260	Trichlorofluoromethane	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Trichlorofluoromethane	UG/KG	5.6	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Vinyl chloride	UG/KG	10.4	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Vinyl chloride	UG/KG	11.1	U	UJ	IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Xylene, o	UG/KG	5.2	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Xylene, o	UG/KG	77.8		J	SS-L, IS-L
92179407	SB-17-9-10	92179407012	EPA 8260	Xylenes (m&p)	UG/KG	10.4	U	UJ	IS-L
92179407	SB-19-14-15	92179407017	EPA 8260	Xylenes (m&p)	UG/KG	11.1	U	UJ	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	1,1,1-Trichloroethane	UG/KG	51		J	SS-H, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	5.4	U	UJ	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG	5.4	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	1,1,2-Trichloroethane	UG/KG	5.4	U	UJ	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	1,1-Dichloroethane	UG/KG	5.4	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	1,1-Dichloroethene	UG/KG	5.4	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	1,2,3-Trichlorobenzene	UG/KG	5.4	U	UJ	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	1,2,4-Trichlorobenzene	UG/KG	5.4	U	UJ	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	5.4	U	UJ	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	1,2-Dibromoethane	UG/KG	5.4	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	1,2-Dichlorobenzene	UG/KG	5.4	U	UJ	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	1,2-Dichloroethane	UG/KG	5.4	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	1,2-Dichloropropane	UG/KG	5.4	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	1,3-Dichlorobenzene	UG/KG	5.4	U	UJ	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	1,4-Dichlorobenzene	UG/KG	5.4	U	UJ	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	1,4-Dioxane	UG/KG	163	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	2-Butanone	UG/KG	109	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	2-Hexanone	UG/KG	54.3	U	UJ	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	4-Methyl-2-pentanone	UG/KG	54.3	U	UJ	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Acetic acid, methyl ester	UG/KG	10.9	U	UJ	IS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-04-11-12	92180022008	EPA 8260	Acetone	UG/KG	33.8	J	J	FD
92180022	SB-24-14-15	92180022005	EPA 8260	Acetone	UG/KG	41.9	J	J	SS-H, IS-L
92180022	SB-502	92180022002	EPA 8260	Acetone	UG/KG	52	J	J	FD
92180022	SB-24-14-15	92180022005	EPA 8260	Benzene	UG/KG	6.7		J	SS-H, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Bromochloromethane	UG/KG	5.4	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Bromoform	UG/KG	5.4	U	UJ	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Bromomethane	UG/KG	10.9	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Carbon disulfide	UG/KG	10.9	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Carbon tetrachloride	UG/KG	5.4	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Chlorobenzene	UG/KG	5.4	U	UJ	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Chlorodibromomethane	UG/KG	5.4	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Chloroethane	UG/KG	10.9	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Chloroform	UG/KG	5.4	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Chloromethane	UG/KG	10.9	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Cis-1,2-Dichloroethene	UG/KG	5.4	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Cyclohexane	UG/KG	26.4		J	SS-H, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Dichlorodifluoromethane	UG/KG	10.9	U,IO	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Ethyl benzene	UG/KG	59.1		J	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Isopropylbenzene	UG/KG	53.1		J	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Methyl cyclohexane	UG/KG	10.9	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Methyl Tertbutyl Ether	UG/KG	5.4	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Methylene chloride	UG/KG	5.3	J	J	SS-H, IS-L
92180022	SB-206-8-10	92180022010	EPA 8260	Styrene	UG/KG	5.6	U	UJ	MS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Styrene	UG/KG	5.4	U	UJ	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Tetrachloroethene	UG/KG	4.4	J	J	SS-L, IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	trans-1,2-Dichloroethene	UG/KG	5.4	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	trans-1,3-Dichloropropene	UG/KG	5.4	U	UJ	SS-L, IS-L
92180022	SB-04-11-12	92180022008	EPA 8260	Trichloroethene	UG/KG	146		J	FD
92180022	SB-502	92180022002	EPA 8260	Trichloroethene	UG/KG	49.1		J	FD
92180022	SB-24-14-15	92180022005	EPA 8260	Trichlorofluoromethane	UG/KG	5.4	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Vinyl chloride	UG/KG	10.9	U	UJ	IS-L
92180022	SB-24-14-15	92180022005	EPA 8260	Xylenes (m&p)	UG/KG	43.9		J	SS-L, IS-L
92180392	SB-20-3-4	92180392023	EPA 8260	1,1,2,2-Tetrachloroethane	UG/KG	4.9	U	UJ	IS-L
92180392	SB-20-3-4	92180392023	EPA 8260	1,2,3-Trichlorobenzene	UG/KG	4.9	U	UJ	IS-L
92180392	SB-20-3-4	92180392023	EPA 8260	1,2,4-Trichlorobenzene	UG/KG	4.9	U	UJ	IS-L
92180392	SB-20-3-4	92180392023	EPA 8260	1,2-Dibromo-3-chloropropane	UG/KG	4.9	U	UJ	IS-L
92180392	SB-20-3-4	92180392023	EPA 8260	1,2-Dichlorobenzene	UG/KG	4.9	U	UJ	IS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
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Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-20-3-4	92180392023	EPA 8260	1,3-Dichlorobenzene	UG/KG	4.9	U	UJ	IS-L
92180392	SB-20-3-4	92180392023	EPA 8260	1,4-Dichlorobenzene	UG/KG	4.9	U	UJ	IS-L
92180392	SB-12-14-15	92180392037	EPA 8260	Acetic acid, methyl ester	UG/KG	410		J	FD
92180392	SB-504	92180392004	EPA 8260	Acetic acid, methyl ester	UG/KG	10.9	U	UJ	FD
92180392	SB-11-14-15	92180392022	EPA 8260	Acetone	UG/KG	62.6	J	J	FD
92180392	SB-15-7-8	92180392015	EPA 8260	Acetone	UG/KG	498	E	J	E
92180392	SB-208-7-9	92180392034	EPA 8260	Acetone	UG/KG	106	A+	J	MS-L
92180392	SB-503	92180392003	EPA 8260	Acetone	UG/KG	34.7	J	J	FD
92180392	SB-01-11-12	92180392013	EPA 8260	Bromomethane	UG/KG	10.7	U	UJ	CCV%D
92180392	SB-01-4-5	92180392011	EPA 8260	Bromomethane	UG/KG	10.1	U	UJ	CCV%D
92180392	SB-01-7-8	92180392012	EPA 8260	Bromomethane	UG/KG	9.3	U	UJ	CCV%D
92180392	SB-11-3-5	92180392020	EPA 8260	Bromomethane	UG/KG	11.6	U	UJ	CCV%D
92180392	SB-13-10-11	92180392007	EPA 8260	Bromomethane	UG/KG	10.8	U	UJ	CCV%D
92180392	SB-13-2-3	92180392005	EPA 8260	Bromomethane	UG/KG	10.7	U	UJ	CCV%D
92180392	SB-13-5-6	92180392006	EPA 8260	Bromomethane	UG/KG	9.7	U	UJ	CCV%D
92180392	SB-14-3-4	92180392017	EPA 8260	Bromomethane	UG/KG	9.8	U	UJ	CCV%D
92180392	SB-14-7-8	92180392018	EPA 8260	Bromomethane	UG/KG	10.5	U	UJ	CCV%D
92180392	SB-15-11-12	92180392016	EPA 8260	Bromomethane	UG/KG	11.3	U	UJ	CCV%D
92180392	SB-15-4-5	92180392014	EPA 8260	Bromomethane	UG/KG	269	U	UJ	CCV%D
92180392	SB-16-10-11	92180392010	EPA 8260	Bromomethane	UG/KG	10.9	U	UJ	CCV%D
92180392	SB-16-4-5	92180392008	EPA 8260	Bromomethane	UG/KG	10.6	U	UJ	CCV%D
92180392	SB-16-7-8	92180392009	EPA 8260	Bromomethane	UG/KG	9.7	U	UJ	CCV%D
92180392	SB-503	92180392003	EPA 8260	Bromomethane	UG/KG	10.6	U	UJ	CCV%D
92180392	SB-504	92180392004	EPA 8260	Bromomethane	UG/KG	10.9	U	UJ	CCV%D
92180392	SB-205-14-15	92180392043	EPA 8260	Chloroethane	UG/KG	1,130	U	UJ	CCV%D
92180392	SB-205-6-7	92180392042	EPA 8260	Chloroethane	UG/KG	9.6	U	UJ	CCV%D
92180392	SB-205-14-15	92180392043	EPA 8260	Chloromethane	UG/KG	1,130	U	UJ	CCV%D
92180392	SB-205-6-7	92180392042	EPA 8260	Chloromethane	UG/KG	9.6	U	UJ	CCV%D
92180392	SB-20-3-4	92180392023	EPA 8260	Cyclohexane	UG/KG	4.9	U	UJ	IS-L
92180392	SB-20-3-4	92180392023	EPA 8260	Isopropylbenzene	UG/KG	4.9	U	UJ	IS-L
92180392	SB-01-11-12	92180392013	EPA 8260	Tetrachloroethene	UG/KG	5.4	U	UJ	CCV%D
92180392	SB-01-4-5	92180392011	EPA 8260	Tetrachloroethene	UG/KG	5.1	U	UJ	CCV%D
92180392	SB-01-7-8	92180392012	EPA 8260	Tetrachloroethene	UG/KG	4.6	U	UJ	CCV%D
92180392	SB-11-3-5	92180392020	EPA 8260	Tetrachloroethene	UG/KG	5.8	U	UJ	CCV%D
92180392	SB-13-10-11	92180392007	EPA 8260	Tetrachloroethene	UG/KG	5.4	U	UJ	CCV%D
92180392	SB-13-2-3	92180392005	EPA 8260	Tetrachloroethene	UG/KG	5.4	U	UJ	CCV%D
92180392	SB-13-5-6	92180392006	EPA 8260	Tetrachloroethene	UG/KG	4.9	U	UJ	CCV%D

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-14-3-4	92180392017	EPA 8260	Tetrachloroethene	UG/KG	4.9	U	UJ	CCV%D
92180392	SB-14-7-8	92180392018	EPA 8260	Tetrachloroethene	UG/KG	5.3	U	UJ	CCV%D
92180392	SB-15-11-12	92180392016	EPA 8260	Tetrachloroethene	UG/KG	5.7	U	UJ	CCV%D
92180392	SB-15-4-5	92180392014	EPA 8260	Tetrachloroethene	UG/KG	299		J	CCV%D
92180392	SB-16-10-11	92180392010	EPA 8260	Tetrachloroethene	UG/KG	5.4	U	UJ	CCV%D
92180392	SB-16-4-5	92180392008	EPA 8260	Tetrachloroethene	UG/KG	5.3	U	UJ	CCV%D
92180392	SB-16-7-8	92180392009	EPA 8260	Tetrachloroethene	UG/KG	4.9	U	UJ	CCV%D
92180392	SB-503	92180392003	EPA 8260	Tetrachloroethene	UG/KG	5.3	U	UJ	CCV%D
92180392	SB-504	92180392004	EPA 8260	Tetrachloroethene	UG/KG	5.5	U	UJ	CCV%D
92180392	SB-01-11-12	92180392013	EPA 8260	Trichlorofluoromethane	UG/KG	5.4	U	UJ	CCV%D
92180392	SB-01-4-5	92180392011	EPA 8260	Trichlorofluoromethane	UG/KG	5.1	U	UJ	CCV%D
92180392	SB-01-7-8	92180392012	EPA 8260	Trichlorofluoromethane	UG/KG	4.6	U	UJ	CCV%D
92180392	SB-11-3-5	92180392020	EPA 8260	Trichlorofluoromethane	UG/KG	5.8	U	UJ	CCV%D
92180392	SB-13-10-11	92180392007	EPA 8260	Trichlorofluoromethane	UG/KG	5.4	U	UJ	CCV%D
92180392	SB-13-2-3	92180392005	EPA 8260	Trichlorofluoromethane	UG/KG	5.4	U	UJ	CCV%D
92180392	SB-13-5-6	92180392006	EPA 8260	Trichlorofluoromethane	UG/KG	4.9	U	UJ	CCV%D
92180392	SB-14-3-4	92180392017	EPA 8260	Trichlorofluoromethane	UG/KG	4.9	U	UJ	CCV%D
92180392	SB-14-7-8	92180392018	EPA 8260	Trichlorofluoromethane	UG/KG	5.3	U	UJ	CCV%D
92180392	SB-15-11-12	92180392016	EPA 8260	Trichlorofluoromethane	UG/KG	5.7	U	UJ	CCV%D
92180392	SB-15-4-5	92180392014	EPA 8260	Trichlorofluoromethane	UG/KG	135	U	UJ	CCV%D
92180392	SB-16-10-11	92180392010	EPA 8260	Trichlorofluoromethane	UG/KG	5.4	U	UJ	CCV%D
92180392	SB-16-4-5	92180392008	EPA 8260	Trichlorofluoromethane	UG/KG	5.3	U	UJ	CCV%D
92180392	SB-16-7-8	92180392009	EPA 8260	Trichlorofluoromethane	UG/KG	4.9	U	UJ	CCV%D
92180392	SB-503	92180392003	EPA 8260	Trichlorofluoromethane	UG/KG	5.3	U	UJ	CCV%D
92180392	SB-504	92180392004	EPA 8260	Trichlorofluoromethane	UG/KG	5.5	U	UJ	CCV%D
92179407	SB-17-13-14	92179407013	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	392	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	371	U	UJ	MS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-25-13-14	92179407023	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	432	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	392	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	382	U	UJ	SS-L
92179407	SB-207-13-14	92179407010	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	18,200	U	UJ	CCV%D
92179407	SB-207-3-4	92179407008	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	371	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	2,4,5-Trichlorophenol	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	2,4,5-Trichlorophenol	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	2,4,5-Trichlorophenol	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	2,4,5-Trichlorophenol	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	2,4,5-Trichlorophenol	UG/KG	392	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	2,4,5-Trichlorophenol	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	2,4,5-Trichlorophenol	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	2,4,5-Trichlorophenol	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	2,4,5-Trichlorophenol	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	2,4,5-Trichlorophenol	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	2,4,5-Trichlorophenol	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	2,4,5-Trichlorophenol	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	2,4,5-Trichlorophenol	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	2,4,5-Trichlorophenol	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	2,4,6-Trichlorophenol	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	2,4,6-Trichlorophenol	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	2,4,6-Trichlorophenol	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	2,4,6-Trichlorophenol	UG/KG	389	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-18-5-6	92179407019	EPA 8270	2,4,6-Trichlorophenol	UG/KG	392	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	2,4,6-Trichlorophenol	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	2,4,6-Trichlorophenol	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	2,4,6-Trichlorophenol	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	2,4,6-Trichlorophenol	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	2,4,6-Trichlorophenol	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	2,4,6-Trichlorophenol	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	2,4,6-Trichlorophenol	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	2,4,6-Trichlorophenol	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	2,4,6-Trichlorophenol	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	2,4-Dichlorophenol	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	2,4-Dichlorophenol	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	2,4-Dichlorophenol	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	2,4-Dichlorophenol	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	2,4-Dichlorophenol	UG/KG	392	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	2,4-Dichlorophenol	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	2,4-Dichlorophenol	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	2,4-Dichlorophenol	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	2,4-Dichlorophenol	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	2,4-Dichlorophenol	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	2,4-Dichlorophenol	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	2,4-Dichlorophenol	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	2,4-Dichlorophenol	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	2,4-Dichlorophenol	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	2,4-Dimethylphenol	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	2,4-Dimethylphenol	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	2,4-Dimethylphenol	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	2,4-Dimethylphenol	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	2,4-Dimethylphenol	UG/KG	392	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	2,4-Dimethylphenol	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	2,4-Dimethylphenol	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	2,4-Dimethylphenol	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	2,4-Dimethylphenol	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	2,4-Dimethylphenol	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	2,4-Dimethylphenol	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	2,4-Dimethylphenol	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	2,4-Dimethylphenol	UG/KG	379	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-501	92179407014	EPA 8270	2,4-Dimethylphenol	UG/KG	414	U	UJ	SS-L
92179407	SB-17-0-1	92179407011	EPA 8270	2,4-Dinitrophenol	UG/KG	104,000	U	UJ	ICVRSD, CCV%D
92179407	SB-17-13-14	92179407013	EPA 8270	2,4-Dinitrophenol	UG/KG	2,120	U	UJ	ICVRSD, CCV%D, SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	2,4-Dinitrophenol	UG/KG	1,810	U	UJ	ICVRSD, CCV%D, SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	2,4-Dinitrophenol	UG/KG	2,100	U	UJ	ICVRSD, CCV%D, SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	2,4-Dinitrophenol	UG/KG	1,940	U	UJ	ICVRSD, CCV%D, SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	2,4-Dinitrophenol	UG/KG	1,960	U	UJ	ICVRSD, CCV%D, SS-L
92179407	SB-19-14-15	92179407017	EPA 8270	2,4-Dinitrophenol	UG/KG	103,000	U	UJ	ICVRSD, CCV%D
92179407	SB-19-2-3	92179407015	EPA 8270	2,4-Dinitrophenol	UG/KG	1,760	U	UJ	ICVRSD, CCV%D
92179407	SB-19-8-10	92179407016	EPA 8270	2,4-Dinitrophenol	UG/KG	1,910	U	UJ	ICVRSD, CCV%D, SS-L
92179407	SB-207-13-14	92179407010	EPA 8270	2,4-Dinitrophenol	UG/KG	90,900	U	UJ	ICVRSD, CCV%D
92179407	SB-207-3-4	92179407008	EPA 8270	2,4-Dinitrophenol	UG/KG	1,860	U	UJ	ICVRSD, CCV%D, SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	2,4-Dinitrophenol	UG/KG	2,040	U	UJ	ICVRSD, CCV%D, SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	2,4-Dinitrophenol	UG/KG	1,910	U	UJ	ICVRSD, CCV%D, SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	2,4-Dinitrophenol	UG/KG	1,860	U	UJ	ICVRSD, CCV%D, SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	2,4-Dinitrophenol	UG/KG	1,860	U	UJ	ICVRSD, CCV%D, MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	2,4-Dinitrophenol	UG/KG	2,160	U	UJ	ICVRSD, CCV%D
92179407	SB-25-3-4	92179407021	EPA 8270	2,4-Dinitrophenol	UG/KG	1,890	U	UJ	ICVRSD, CCV%D, SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	2,4-Dinitrophenol	UG/KG	1,900	U	UJ	ICVRSD, CCV%D, SS-L
92179407	SB-501	92179407014	EPA 8270	2,4-Dinitrophenol	UG/KG	2,070	U	UJ	ICVRSD, CCV%D, SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	2,4-Dinitrotoluene	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	2,4-Dinitrotoluene	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	2,4-Dinitrotoluene	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	2,4-Dinitrotoluene	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	2,4-Dinitrotoluene	UG/KG	392	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	2,4-Dinitrotoluene	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	2,4-Dinitrotoluene	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	2,4-Dinitrotoluene	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	2,4-Dinitrotoluene	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	2,4-Dinitrotoluene	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	2,4-Dinitrotoluene	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	2,4-Dinitrotoluene	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	2,4-Dinitrotoluene	UG/KG	432	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	2,4-Dinitrotoluene	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	2,4-Dinitrotoluene	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	2,4-Dinitrotoluene	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	2,6-Dinitrotoluene	UG/KG	424	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-17-9-10	92179407012	EPA 8270	2,6-Dinitrotoluene	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	2,6-Dinitrotoluene	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	2,6-Dinitrotoluene	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	2,6-Dinitrotoluene	UG/KG	392	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	2,6-Dinitrotoluene	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	2,6-Dinitrotoluene	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	2,6-Dinitrotoluene	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	2,6-Dinitrotoluene	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	2,6-Dinitrotoluene	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	2,6-Dinitrotoluene	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	2,6-Dinitrotoluene	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	2,6-Dinitrotoluene	UG/KG	432	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	2,6-Dinitrotoluene	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	2,6-Dinitrotoluene	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	2,6-Dinitrotoluene	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	2-Chloronaphthalene	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	2-Chloronaphthalene	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	2-Chloronaphthalene	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	2-Chloronaphthalene	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	2-Chloronaphthalene	UG/KG	392	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	2-Chloronaphthalene	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	2-Chloronaphthalene	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	2-Chloronaphthalene	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	2-Chloronaphthalene	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	2-Chloronaphthalene	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	2-Chloronaphthalene	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	2-Chloronaphthalene	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	2-Chloronaphthalene	UG/KG	432	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	2-Chloronaphthalene	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	2-Chloronaphthalene	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	2-Chloronaphthalene	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	2-Chlorophenol	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	2-Chlorophenol	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	2-Chlorophenol	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	2-Chlorophenol	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	2-Chlorophenol	UG/KG	392	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	2-Chlorophenol	UG/KG	382	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-207-3-4	92179407008	EPA 8270	2-Chlorophenol	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	2-Chlorophenol	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	2-Chlorophenol	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	2-Chlorophenol	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	2-Chlorophenol	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	2-Chlorophenol	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	2-Chlorophenol	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	2-Chlorophenol	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	2-Methylphenol	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	2-Methylphenol	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	2-Methylphenol	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	2-Methylphenol	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	2-Methylphenol	UG/KG	392	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	2-Methylphenol	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	2-Methylphenol	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	2-Methylphenol	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	2-Methylphenol	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	2-Methylphenol	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	2-Methylphenol	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	2-Methylphenol	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	2-Methylphenol	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	2-Methylphenol	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	2-Nitroaniline	UG/KG	2,120	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	2-Nitroaniline	UG/KG	1,810	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	2-Nitroaniline	UG/KG	2,100	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	2-Nitroaniline	UG/KG	1,940	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	2-Nitroaniline	UG/KG	1,960	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	2-Nitroaniline	UG/KG	1,760	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	2-Nitroaniline	UG/KG	1,910	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	2-Nitroaniline	UG/KG	1,860	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	2-Nitroaniline	UG/KG	2,040	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	2-Nitroaniline	UG/KG	1,910	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	2-Nitroaniline	UG/KG	1,860	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	2-Nitroaniline	UG/KG	1,860	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	2-Nitroaniline	UG/KG	2,160	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	2-Nitroaniline	UG/KG	1,890	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	2-Nitroaniline	UG/KG	1,900	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-501	92179407014	EPA 8270	2-Nitroaniline	UG/KG	2,070	U	UJ	SS-L
92179407	SB-17-0-1	92179407011	EPA 8270	2-Nitrophenol	UG/KG	20,800	U	UJ	CCV%D
92179407	SB-17-13-14	92179407013	EPA 8270	2-Nitrophenol	UG/KG	424	U	UJ	CCV%D, SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	2-Nitrophenol	UG/KG	363	U	UJ	CCV%D, SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	2-Nitrophenol	UG/KG	420	U	UJ	CCV%D, SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	2-Nitrophenol	UG/KG	389	U	UJ	CCV%D, SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	2-Nitrophenol	UG/KG	392	U	UJ	CCV%D, SS-L
92179407	SB-19-14-15	92179407017	EPA 8270	2-Nitrophenol	UG/KG	20,700	U	UJ	CCV%D
92179407	SB-19-2-3	92179407015	EPA 8270	2-Nitrophenol	UG/KG	351	U	UJ	CCV%D
92179407	SB-19-8-10	92179407016	EPA 8270	2-Nitrophenol	UG/KG	382	U	UJ	CCV%D, SS-L
92179407	SB-207-13-14	92179407010	EPA 8270	2-Nitrophenol	UG/KG	18,200	U	UJ	CCV%D
92179407	SB-207-3-4	92179407008	EPA 8270	2-Nitrophenol	UG/KG	373	U	UJ	CCV%D, SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	2-Nitrophenol	UG/KG	407	U	UJ	CCV%D, SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	2-Nitrophenol	UG/KG	382	U	UJ	CCV%D, SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	2-Nitrophenol	UG/KG	372	U	UJ	CCV%D, SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	2-Nitrophenol	UG/KG	371	U	UJ	CCV%D, MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	2-Nitrophenol	UG/KG	432	U	UJ	CCV%D
92179407	SB-25-3-4	92179407021	EPA 8270	2-Nitrophenol	UG/KG	378	U	UJ	CCV%D, SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	2-Nitrophenol	UG/KG	379	U	UJ	CCV%D, SS-L
92179407	SB-501	92179407014	EPA 8270	2-Nitrophenol	UG/KG	414	U	UJ	CCV%D, SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	3 & 4 Methylphenol	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	3 & 4 Methylphenol	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	3 & 4 Methylphenol	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	3 & 4 Methylphenol	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	3 & 4 Methylphenol	UG/KG	392	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	3 & 4 Methylphenol	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	3 & 4 Methylphenol	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	3 & 4 Methylphenol	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	3 & 4 Methylphenol	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	3 & 4 Methylphenol	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	3 & 4 Methylphenol	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	3 & 4 Methylphenol	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	3 & 4 Methylphenol	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	3 & 4 Methylphenol	UG/KG	414	U	UJ	SS-L
92179407	SB-17-0-1	92179407011	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	104,000	U	UJ	LCS-L
92179407	SB-17-13-14	92179407013	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,120	U	UJ	LCS-L, SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,810	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-18-10-12	92179407020	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,100	U	UJ	LCS-L, SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,940	U	UJ	LCS-L, SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,960	U	UJ	LCS-L, SS-L
92179407	SB-19-14-15	92179407017	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	103,000	U	UJ	LCS-L
92179407	SB-19-2-3	92179407015	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,760	U	UJ	LCS-L
92179407	SB-19-8-10	92179407016	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,910	U	UJ	LCS-L, SS-L
92179407	SB-207-13-14	92179407010	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	90,900	U	UJ	LCS-L
92179407	SB-207-3-4	92179407008	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,860	U	UJ	LCS-L, SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,040	U	UJ	LCS-L, SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,910	U	UJ	LCS-L, SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,860	U	UJ	LCS-L
92179407	SB-21-9-10	92179407006	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,860	U	UJ	LCS-L, MS-L
92179407	SB-25-13-14	92179407023	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,160	U	UJ	LCS-L
92179407	SB-25-3-4	92179407021	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,890	U	UJ	LCS-L, SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,900	U	UJ	LCS-L, SS-L
92179407	SB-501	92179407014	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,070	U	UJ	LCS-L, SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	3-Nitroaniline	UG/KG	2,120	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	3-Nitroaniline	UG/KG	1,810	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	3-Nitroaniline	UG/KG	2,100	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	3-Nitroaniline	UG/KG	1,940	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	3-Nitroaniline	UG/KG	1,960	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	3-Nitroaniline	UG/KG	1,760	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	3-Nitroaniline	UG/KG	1,910	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	3-Nitroaniline	UG/KG	1,860	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	3-Nitroaniline	UG/KG	2,040	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	3-Nitroaniline	UG/KG	1,910	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	3-Nitroaniline	UG/KG	1,860	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	3-Nitroaniline	UG/KG	1,860	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	3-Nitroaniline	UG/KG	2,160	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	3-Nitroaniline	UG/KG	1,890	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	3-Nitroaniline	UG/KG	1,900	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	3-Nitroaniline	UG/KG	2,070	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	848	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	725	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	840	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	777	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	783	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-19-8-10	92179407016	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	764	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	745	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	814	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	764	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	744	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	742	U	UJ	MS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	755	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	758	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	828	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	392	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	432	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	4-Chloro-3-methylphenol	UG/KG	848	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	4-Chloro-3-methylphenol	UG/KG	725	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	4-Chloro-3-methylphenol	UG/KG	840	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	4-Chloro-3-methylphenol	UG/KG	777	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	4-Chloro-3-methylphenol	UG/KG	783	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	4-Chloro-3-methylphenol	UG/KG	764	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	4-Chloro-3-methylphenol	UG/KG	745	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	4-Chloro-3-methylphenol	UG/KG	814	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	4-Chloro-3-methylphenol	UG/KG	764	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	4-Chloro-3-methylphenol	UG/KG	744	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	4-Chloro-3-methylphenol	UG/KG	742	U	UJ	MS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	4-Chloro-3-methylphenol	UG/KG	755	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-25-9-10	92179407022	EPA 8270	4-Chloro-3-methylphenol	UG/KG	758	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	4-Chloro-3-methylphenol	UG/KG	828	U	UJ	SS-L
92179407	SB-17-0-1	92179407011	EPA 8270	4-Chloroaniline	UG/KG	104,000	U	UJ	LCS-L
92179407	SB-17-13-14	92179407013	EPA 8270	4-Chloroaniline	UG/KG	2,120	U	UJ	LCS-L, SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	4-Chloroaniline	UG/KG	1,810	U	UJ	LCS-L, SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	4-Chloroaniline	UG/KG	2,100	U	UJ	LCS-L, SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	4-Chloroaniline	UG/KG	1,940	U	UJ	LCS-L, SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	4-Chloroaniline	UG/KG	1,960	U	UJ	LCS-L, SS-L
92179407	SB-19-14-15	92179407017	EPA 8270	4-Chloroaniline	UG/KG	103,000	U	UJ	LCS-L
92179407	SB-19-2-3	92179407015	EPA 8270	4-Chloroaniline	UG/KG	1,760	U	UJ	LCS-L, SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	4-Chloroaniline	UG/KG	1,910	U	UJ	LCS-L, SS-L
92179407	SB-207-13-14	92179407010	EPA 8270	4-Chloroaniline	UG/KG	90,900	U	UJ	LCS-L
92179407	SB-207-3-4	92179407008	EPA 8270	4-Chloroaniline	UG/KG	1,860	U	UJ	LCS-L, SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	4-Chloroaniline	UG/KG	2,040	U	UJ	LCS-L, SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	4-Chloroaniline	UG/KG	1,910	U	UJ	LCS-L, SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	4-Chloroaniline	UG/KG	1,860	U	UJ	LCS-L, SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	4-Chloroaniline	UG/KG	1,860	U	UJ	LCS-L, MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	4-Chloroaniline	UG/KG	2,160	U	UJ	LCS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	4-Chloroaniline	UG/KG	1,890	U	UJ	LCS-L, SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	4-Chloroaniline	UG/KG	1,900	U	UJ	LCS-L, SS-L
92179407	SB-501	92179407014	EPA 8270	4-Chloroaniline	UG/KG	2,070	U	UJ	LCS-L, SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	392	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	432	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	414	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-17-13-14	92179407013	EPA 8270	4-Nitroaniline	UG/KG	848	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	4-Nitroaniline	UG/KG	725	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	4-Nitroaniline	UG/KG	840	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	4-Nitroaniline	UG/KG	777	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	4-Nitroaniline	UG/KG	783	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	4-Nitroaniline	UG/KG	702	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	4-Nitroaniline	UG/KG	764	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	4-Nitroaniline	UG/KG	745	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	4-Nitroaniline	UG/KG	814	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	4-Nitroaniline	UG/KG	764	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	4-Nitroaniline	UG/KG	744	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	4-Nitroaniline	UG/KG	742	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	4-Nitroaniline	UG/KG	864	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	4-Nitroaniline	UG/KG	755	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	4-Nitroaniline	UG/KG	758	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	4-Nitroaniline	UG/KG	828	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	4-Nitrophenol	UG/KG	2,120	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	4-Nitrophenol	UG/KG	1,810	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	4-Nitrophenol	UG/KG	2,100	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	4-Nitrophenol	UG/KG	1,940	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	4-Nitrophenol	UG/KG	1,960	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	4-Nitrophenol	UG/KG	1,910	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	4-Nitrophenol	UG/KG	1,860	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	4-Nitrophenol	UG/KG	2,040	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	4-Nitrophenol	UG/KG	1,910	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	4-Nitrophenol	UG/KG	1,860	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	4-Nitrophenol	UG/KG	1,860	U	UJ	MS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	4-Nitrophenol	UG/KG	1,890	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	4-Nitrophenol	UG/KG	1,900	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	4-Nitrophenol	UG/KG	2,070	U	UJ	SS-L
92179407	SB-17-0-1	92179407011	EPA 8270	Acetophenone	UG/KG	20,800	U	UJ	LCS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Acetophenone	UG/KG	424	U	UJ	LCS-L, SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Acetophenone	UG/KG	363	U	UJ	LCS-L, SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Acetophenone	UG/KG	420	U	UJ	LCS-L, SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Acetophenone	UG/KG	389	U	UJ	LCS-L, SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Acetophenone	UG/KG	392	U	UJ	LCS-L, SS-L
92179407	SB-19-14-15	92179407017	EPA 8270	Acetophenone	UG/KG	20,700	U	UJ	LCS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-19-2-3	92179407015	EPA 8270	Acetophenone	UG/KG	351	U	UJ	LCS-L, SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Acetophenone	UG/KG	382	U	UJ	LCS-L, SS-L
92179407	SB-207-13-14	92179407010	EPA 8270	Acetophenone	UG/KG	18,200	U	UJ	LCS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Acetophenone	UG/KG	373	U	UJ	LCS-L, SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Acetophenone	UG/KG	407	U	UJ	LCS-L, SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Acetophenone	UG/KG	382	U	UJ	LCS-L, SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Acetophenone	UG/KG	372	U	UJ	LCS-L, SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Acetophenone	UG/KG	371	U	UJ	LCS-L, MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Acetophenone	UG/KG	432	U	UJ	LCS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Acetophenone	UG/KG	378	U	UJ	LCS-L, SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Acetophenone	UG/KG	379	U	UJ	LCS-L, SS-L
92179407	SB-501	92179407014	EPA 8270	Acetophenone	UG/KG	414	U	UJ	LCS-L, SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Atrazine	UG/KG	848	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Atrazine	UG/KG	725	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Atrazine	UG/KG	840	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Atrazine	UG/KG	777	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Atrazine	UG/KG	783	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Atrazine	UG/KG	702	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Atrazine	UG/KG	764	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Atrazine	UG/KG	745	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Atrazine	UG/KG	814	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Atrazine	UG/KG	764	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Atrazine	UG/KG	744	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Atrazine	UG/KG	742	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Atrazine	UG/KG	864	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Atrazine	UG/KG	755	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Atrazine	UG/KG	758	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	Atrazine	UG/KG	828	U	UJ	SS-L
92179407	SB-17-0-1	92179407011	EPA 8270	Benzaldehyde	UG/KG	41,600	U	UR	LCS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Benzaldehyde	UG/KG	848	U	UR	LCS-L, SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Benzaldehyde	UG/KG	725	U	UR	LCS-L, SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Benzaldehyde	UG/KG	840	U	UR	LCS-L, SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Benzaldehyde	UG/KG	777	U	UR	LCS-L, SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Benzaldehyde	UG/KG	783	U	UR	LCS-L, SS-L
92179407	SB-19-14-15	92179407017	EPA 8270	Benzaldehyde	UG/KG	41,300	U	UR	LCS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Benzaldehyde	UG/KG	702	U	UR	LCS-L, SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Benzaldehyde	UG/KG	764	U	UR	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-207-13-14	92179407010	EPA 8270	Benzaldehyde	UG/KG	36,400	U	UR	LCS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Benzaldehyde	UG/KG	745	U	UR	LCS-L, SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Benzaldehyde	UG/KG	814	U	UR	LCS-L, SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Benzaldehyde	UG/KG	764	U	UR	LCS-L, SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Benzaldehyde	UG/KG	744	U	UR	LCS-L, SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Benzaldehyde	UG/KG	742	U	UR	LCS-L, MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Benzaldehyde	UG/KG	864	U	UR	LCS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Benzaldehyde	UG/KG	755	U	UR	LCS-L, SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Benzaldehyde	UG/KG	758	U	UR	LCS-L, SS-L
92179407	SB-501	92179407014	EPA 8270	Benzaldehyde	UG/KG	828	U	UR	LCS-L, SS-L
92179407	SB-17-0-1	92179407011	EPA 8270	Biphenyl	UG/KG	20,800	U	UJ	LCS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Biphenyl	UG/KG	424	U	UJ	LCS-L, SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Biphenyl	UG/KG	363	U	UJ	LCS-L, SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Biphenyl	UG/KG	420	U	UJ	LCS-L, SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Biphenyl	UG/KG	389	U	UJ	LCS-L, SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Biphenyl	UG/KG	392	U	UJ	LCS-L, SS-L
92179407	SB-19-14-15	92179407017	EPA 8270	Biphenyl	UG/KG	20,700	U	UJ	LCS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Biphenyl	UG/KG	351	U	UJ	LCS-L, SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Biphenyl	UG/KG	382	U	UJ	LCS-L, SS-L
92179407	SB-207-13-14	92179407010	EPA 8270	Biphenyl	UG/KG	18,200	U	UJ	LCS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Biphenyl	UG/KG	373	U	UJ	LCS-L, SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Biphenyl	UG/KG	407	U	UJ	LCS-L, SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Biphenyl	UG/KG	382	U	UJ	LCS-L, SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Biphenyl	UG/KG	372	U	UJ	LCS-L, SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Biphenyl	UG/KG	371	U	UJ	LCS-L, MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Biphenyl	UG/KG	432	U	UJ	LCS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Biphenyl	UG/KG	378	U	UJ	LCS-L, SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Biphenyl	UG/KG	379	U	UJ	LCS-L, SS-L
92179407	SB-501	92179407014	EPA 8270	Biphenyl	UG/KG	414	U	UJ	LCS-L, SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	392	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	373	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-207-6-7	92179407009	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	432	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	392	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	432	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	392	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	432	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-25-3-4	92179407021	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	392	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	382	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	371	U	UJ	MS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Butylbenzylphthalate	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Butylbenzylphthalate	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Butylbenzylphthalate	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Butylbenzylphthalate	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Butylbenzylphthalate	UG/KG	392	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Butylbenzylphthalate	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Butylbenzylphthalate	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Butylbenzylphthalate	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Butylbenzylphthalate	UG/KG	382	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Butylbenzylphthalate	UG/KG	371	U	UJ	MS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Butylbenzylphthalate	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Butylbenzylphthalate	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	Butylbenzylphthalate	UG/KG	414	U	UJ	SS-L
92179407	SB-17-0-1	92179407011	EPA 8270	Caprolactam	UG/KG	20,800	U	UJ	LCS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Caprolactam	UG/KG	424	U	UJ	LCS-L, SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Caprolactam	UG/KG	363	U	UJ	LCS-L, SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Caprolactam	UG/KG	420	U	UJ	LCS-L, SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Caprolactam	UG/KG	389	U	UJ	LCS-L, SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Caprolactam	UG/KG	392	U	UJ	LCS-L, SS-L
92179407	SB-19-14-15	92179407017	EPA 8270	Caprolactam	UG/KG	20,700	U	UJ	LCS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Caprolactam	UG/KG	351	U	UJ	LCS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-19-8-10	92179407016	EPA 8270	Caprolactam	UG/KG	382	U	UJ	LCS-L, SS-L
92179407	SB-207-13-14	92179407010	EPA 8270	Caprolactam	UG/KG	18,200	U	UJ	LCS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Caprolactam	UG/KG	373	U	UJ	LCS-L, SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Caprolactam	UG/KG	407	U	UJ	LCS-L, SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Caprolactam	UG/KG	382	U	UJ	LCS-L, SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Caprolactam	UG/KG	372	U	UJ	LCS-L, SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Caprolactam	UG/KG	371	U	UJ	LCS-L, MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Caprolactam	UG/KG	432	U	UJ	LCS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Caprolactam	UG/KG	378	U	UJ	LCS-L, SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Caprolactam	UG/KG	379	U	UJ	LCS-L, SS-L
92179407	SB-501	92179407014	EPA 8270	Caprolactam	UG/KG	414	U	UJ	LCS-L, SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Carbazole	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Carbazole	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Carbazole	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Carbazole	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Carbazole	UG/KG	392	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Carbazole	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Carbazole	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Carbazole	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Carbazole	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Carbazole	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Carbazole	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Carbazole	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Carbazole	UG/KG	432	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Carbazole	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Carbazole	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	Carbazole	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Dibenzofuran	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Dibenzofuran	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Dibenzofuran	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Dibenzofuran	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Dibenzofuran	UG/KG	392	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Dibenzofuran	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Dibenzofuran	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Dibenzofuran	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Dibenzofuran	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Dibenzofuran	UG/KG	382	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-21-14-15	92179407007	EPA 8270	Dibenzofuran	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Dibenzofuran	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Dibenzofuran	UG/KG	432	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Dibenzofuran	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Dibenzofuran	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	Dibenzofuran	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Diethylphthalate	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Diethylphthalate	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Diethylphthalate	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Diethylphthalate	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Diethylphthalate	UG/KG	392	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Diethylphthalate	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Diethylphthalate	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Diethylphthalate	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Diethylphthalate	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Diethylphthalate	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Diethylphthalate	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Diethylphthalate	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Diethylphthalate	UG/KG	432	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Diethylphthalate	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Diethylphthalate	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	Diethylphthalate	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Dimethylphthalate	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Dimethylphthalate	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Dimethylphthalate	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Dimethylphthalate	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Dimethylphthalate	UG/KG	392	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Dimethylphthalate	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Dimethylphthalate	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Dimethylphthalate	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Dimethylphthalate	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Dimethylphthalate	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Dimethylphthalate	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Dimethylphthalate	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Dimethylphthalate	UG/KG	432	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Dimethylphthalate	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Dimethylphthalate	UG/KG	379	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-501	92179407014	EPA 8270	Dimethylphthalate	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Di-n-butylphthalate	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Di-n-butylphthalate	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Di-n-butylphthalate	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Di-n-butylphthalate	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Di-n-butylphthalate	UG/KG	392	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Di-n-butylphthalate	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Di-n-butylphthalate	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Di-n-butylphthalate	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Di-n-butylphthalate	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Di-n-butylphthalate	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Di-n-butylphthalate	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Di-n-butylphthalate	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Di-n-butylphthalate	UG/KG	432	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Di-n-butylphthalate	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Di-n-butylphthalate	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	Di-n-butylphthalate	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Di-n-octylphthalate	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Di-n-octylphthalate	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Di-n-octylphthalate	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Di-n-octylphthalate	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Di-n-octylphthalate	UG/KG	392	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Di-n-octylphthalate	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Di-n-octylphthalate	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Di-n-octylphthalate	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Di-n-octylphthalate	UG/KG	382	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Di-n-octylphthalate	UG/KG	371	U	UJ	MS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Di-n-octylphthalate	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Di-n-octylphthalate	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	Di-n-octylphthalate	UG/KG	414	U	UJ	SS-L
92179407	SB-17-0-1	92179407011	EPA 8270	Hexachlorobenzene	UG/KG	20,800	U	UJ	LCS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Hexachlorobenzene	UG/KG	424	U	UJ	LCS-L, SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Hexachlorobenzene	UG/KG	363	U	UJ	LCS-L, SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Hexachlorobenzene	UG/KG	420	U	UJ	LCS-L, SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Hexachlorobenzene	UG/KG	389	U	UJ	LCS-L, SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Hexachlorobenzene	UG/KG	392	U	UJ	LCS-L, SS-L
92179407	SB-19-14-15	92179407017	EPA 8270	Hexachlorobenzene	UG/KG	20,700	U	UJ	LCS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-19-2-3	92179407015	EPA 8270	Hexachlorobenzene	UG/KG	351	U	UJ	LCS-L, SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Hexachlorobenzene	UG/KG	382	U	UJ	LCS-L, SS-L
92179407	SB-207-13-14	92179407010	EPA 8270	Hexachlorobenzene	UG/KG	18,200	U	UJ	LCS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Hexachlorobenzene	UG/KG	373	U	UJ	LCS-L, SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Hexachlorobenzene	UG/KG	407	U	UJ	LCS-L, SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Hexachlorobenzene	UG/KG	382	U	UJ	LCS-L, SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Hexachlorobenzene	UG/KG	372	U	UJ	LCS-L, SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Hexachlorobenzene	UG/KG	371	U	UJ	LCS-L, MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Hexachlorobenzene	UG/KG	432	U	UJ	LCS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Hexachlorobenzene	UG/KG	378	U	UJ	LCS-L, SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Hexachlorobenzene	UG/KG	379	U	UJ	LCS-L, SS-L
92179407	SB-501	92179407014	EPA 8270	Hexachlorobenzene	UG/KG	414	U	UJ	LCS-L, SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Hexachlorobutadiene	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Hexachlorobutadiene	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Hexachlorobutadiene	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Hexachlorobutadiene	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Hexachlorobutadiene	UG/KG	392	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Hexachlorobutadiene	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Hexachlorobutadiene	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Hexachlorobutadiene	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Hexachlorobutadiene	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Hexachlorobutadiene	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Hexachlorobutadiene	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Hexachlorobutadiene	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Hexachlorobutadiene	UG/KG	432	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Hexachlorobutadiene	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Hexachlorobutadiene	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	Hexachlorobutadiene	UG/KG	414	U	UJ	SS-L
92179407	SB-17-0-1	92179407011	EPA 8270	Hexachlorocyclopentadiene	UG/KG	20,800	U	UJ	CCV%D
92179407	SB-17-13-14	92179407013	EPA 8270	Hexachlorocyclopentadiene	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Hexachlorocyclopentadiene	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Hexachlorocyclopentadiene	UG/KG	420	U	UJ	CCV%D, SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Hexachlorocyclopentadiene	UG/KG	389	U	UJ	CCV%D, SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Hexachlorocyclopentadiene	UG/KG	392	U	UJ	CCV%D, SS-L
92179407	SB-19-14-15	92179407017	EPA 8270	Hexachlorocyclopentadiene	UG/KG	20,700	U	UJ	CCV%D
92179407	SB-19-2-3	92179407015	EPA 8270	Hexachlorocyclopentadiene	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Hexachlorocyclopentadiene	UG/KG	382	U	UJ	CCV%D, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-207-13-14	92179407010	EPA 8270	Hexachlorocyclopentadiene	UG/KG	18,200	U	UJ	CCV%D
92179407	SB-207-3-4	92179407008	EPA 8270	Hexachlorocyclopentadiene	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Hexachlorocyclopentadiene	UG/KG	407	U	UJ	CCV%D, SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Hexachlorocyclopentadiene	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Hexachlorocyclopentadiene	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Hexachlorocyclopentadiene	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Hexachlorocyclopentadiene	UG/KG	432	U	UJ	CCV%D, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Hexachlorocyclopentadiene	UG/KG	378	U	UJ	CCV%D, SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Hexachlorocyclopentadiene	UG/KG	379	U	UJ	CCV%D, SS-L
92179407	SB-501	92179407014	EPA 8270	Hexachlorocyclopentadiene	UG/KG	414	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Hexachloroethane	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Hexachloroethane	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Hexachloroethane	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Hexachloroethane	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Hexachloroethane	UG/KG	392	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Hexachloroethane	UG/KG	351	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Hexachloroethane	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Hexachloroethane	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Hexachloroethane	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Hexachloroethane	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Hexachloroethane	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Hexachloroethane	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Hexachloroethane	UG/KG	432	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Hexachloroethane	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Hexachloroethane	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	Hexachloroethane	UG/KG	414	U	UJ	SS-L
92179407	SB-17-0-1	92179407011	EPA 8270	Isophorone	UG/KG	20,800	U	UJ	LCS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Isophorone	UG/KG	424	U	UJ	LCS-L, SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Isophorone	UG/KG	363	U	UJ	LCS-L, SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Isophorone	UG/KG	420	U	UJ	LCS-L, SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Isophorone	UG/KG	389	U	UJ	LCS-L, SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Isophorone	UG/KG	392	U	UJ	LCS-L, SS-L
92179407	SB-19-14-15	92179407017	EPA 8270	Isophorone	UG/KG	20,700	U	UJ	LCS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Isophorone	UG/KG	351	U	UJ	LCS-L, SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Isophorone	UG/KG	382	U	UJ	LCS-L, SS-L
92179407	SB-207-13-14	92179407010	EPA 8270	Isophorone	UG/KG	18,200	U	UJ	LCS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Isophorone	UG/KG	373	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-207-6-7	92179407009	EPA 8270	Isophorone	UG/KG	407	U	UJ	LCS-L, SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Isophorone	UG/KG	382	U	UJ	LCS-L, SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Isophorone	UG/KG	372	U	UJ	LCS-L, SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Isophorone	UG/KG	371	U	UJ	LCS-L, MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Isophorone	UG/KG	432	U	UJ	LCS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Isophorone	UG/KG	378	U	UJ	LCS-L, SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Isophorone	UG/KG	379	U	UJ	LCS-L, SS-L
92179407	SB-501	92179407014	EPA 8270	Isophorone	UG/KG	414	U	UJ	LCS-L, SS-L
92179407	SB-17-0-1	92179407011	EPA 8270	Nitrobenzene	UG/KG	20,800	U	UJ	LCS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Nitrobenzene	UG/KG	424	U	UJ	LCS-L, SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Nitrobenzene	UG/KG	363	U	UJ	LCS-L, SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Nitrobenzene	UG/KG	420	U	UJ	LCS-L, SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Nitrobenzene	UG/KG	389	U	UJ	LCS-L, SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Nitrobenzene	UG/KG	392	U	UJ	LCS-L, SS-L
92179407	SB-19-14-15	92179407017	EPA 8270	Nitrobenzene	UG/KG	20,700	U	UJ	LCS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Nitrobenzene	UG/KG	351	U	UJ	LCS-L, SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Nitrobenzene	UG/KG	382	U	UJ	LCS-L, SS-L
92179407	SB-207-13-14	92179407010	EPA 8270	Nitrobenzene	UG/KG	18,200	U	UJ	LCS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Nitrobenzene	UG/KG	373	U	UJ	LCS-L, SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Nitrobenzene	UG/KG	407	U	UJ	LCS-L, SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Nitrobenzene	UG/KG	382	U	UJ	LCS-L, SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Nitrobenzene	UG/KG	372	U	UJ	LCS-L, SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Nitrobenzene	UG/KG	371	U	UJ	LCS-L, MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Nitrobenzene	UG/KG	432	U	UJ	LCS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Nitrobenzene	UG/KG	378	U	UJ	LCS-L, SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Nitrobenzene	UG/KG	379	U	UJ	LCS-L, SS-L
92179407	SB-501	92179407014	EPA 8270	Nitrobenzene	UG/KG	414	U	UJ	LCS-L, SS-L
92179407	SB-17-0-1	92179407011	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	20,800	U	UJ	LCS-L
92179407	SB-17-13-14	92179407013	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	424	U	UJ	LCS-L, SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	363	U	UJ	LCS-L, SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	420	U	UJ	LCS-L, SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	389	U	UJ	LCS-L, SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	392	U	UJ	LCS-L, SS-L
92179407	SB-19-14-15	92179407017	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	20,700	U	UJ	LCS-L
92179407	SB-19-2-3	92179407015	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	351	U	UJ	LCS-L, SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	382	U	UJ	LCS-L, SS-L
92179407	SB-207-13-14	92179407010	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	18,200	U	UJ	LCS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-207-3-4	92179407008	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	373	U	UJ	LCS-L, SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	407	U	UJ	LCS-L, SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	382	U	UJ	LCS-L, SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	372	U	UJ	LCS-L, SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	371	U	UJ	LCS-L, MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	432	U	UJ	LCS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	378	U	UJ	LCS-L, SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	379	U	UJ	LCS-L, SS-L
92179407	SB-501	92179407014	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	414	U	UJ	LCS-L, SS-L
92179407	SB-17-0-1	92179407011	EPA 8270	N-Nitrosodiphenylamine	UG/KG	20,800	U	UJ	LCS-L
92179407	SB-17-13-14	92179407013	EPA 8270	N-Nitrosodiphenylamine	UG/KG	424	U	UJ	LCS-L, SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	N-Nitrosodiphenylamine	UG/KG	363	U	UJ	LCS-L, SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	N-Nitrosodiphenylamine	UG/KG	420	U	UJ	LCS-L, SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	N-Nitrosodiphenylamine	UG/KG	389	U	UJ	LCS-L, SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	N-Nitrosodiphenylamine	UG/KG	392	U	UJ	LCS-L, SS-L
92179407	SB-19-14-15	92179407017	EPA 8270	N-Nitrosodiphenylamine	UG/KG	20,700	U	UJ	LCS-L
92179407	SB-19-2-3	92179407015	EPA 8270	N-Nitrosodiphenylamine	UG/KG	351	U	UJ	LCS-L, SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	N-Nitrosodiphenylamine	UG/KG	382	U	UJ	LCS-L, SS-L
92179407	SB-207-13-14	92179407010	EPA 8270	N-Nitrosodiphenylamine	UG/KG	18,200	U	UJ	LCS-L
92179407	SB-207-3-4	92179407008	EPA 8270	N-Nitrosodiphenylamine	UG/KG	373	U	UJ	LCS-L, SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	N-Nitrosodiphenylamine	UG/KG	407	U	UJ	LCS-L, SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	N-Nitrosodiphenylamine	UG/KG	382	U	UJ	LCS-L, SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	N-Nitrosodiphenylamine	UG/KG	372	U	UJ	LCS-L, SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	N-Nitrosodiphenylamine	UG/KG	371	U	UJ	LCS-L, MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	N-Nitrosodiphenylamine	UG/KG	432	U	UJ	LCS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	N-Nitrosodiphenylamine	UG/KG	378	U	UJ	LCS-L, SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	N-Nitrosodiphenylamine	UG/KG	379	U	UJ	LCS-L, SS-L
92179407	SB-501	92179407014	EPA 8270	N-Nitrosodiphenylamine	UG/KG	414	U	UJ	LCS-L, SS-L
92179407	SB-17-0-1	92179407011	EPA 8270	Pentachlorophenol	UG/KG	104,000	U	UJ	LCS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Pentachlorophenol	UG/KG	2,120	U	UJ	LCS-L, SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Pentachlorophenol	UG/KG	1,810	U	UJ	LCS-L, SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Pentachlorophenol	UG/KG	2,100	U	UJ	LCS-L, SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Pentachlorophenol	UG/KG	1,940	U	UJ	LCS-L, SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Pentachlorophenol	UG/KG	1,960	U	UJ	LCS-L, SS-L
92179407	SB-19-14-15	92179407017	EPA 8270	Pentachlorophenol	UG/KG	103,000	U	UJ	LCS-L
92179407	SB-19-2-3	92179407015	EPA 8270	Pentachlorophenol	UG/KG	1,760	U	UJ	LCS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Pentachlorophenol	UG/KG	1,910	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-207-13-14	92179407010	EPA 8270	Pentachlorophenol	UG/KG	90,900	U	UJ	LCS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Pentachlorophenol	UG/KG	1,860	U	UJ	LCS-L, SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Pentachlorophenol	UG/KG	2,040	U	UJ	LCS-L, SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Pentachlorophenol	UG/KG	1,910	U	UJ	LCS-L, SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Pentachlorophenol	UG/KG	1,860	U	UJ	LCS-L, SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Pentachlorophenol	UG/KG	1,860	U	UJ	LCS-L, MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270	Pentachlorophenol	UG/KG	2,160	U	UJ	LCS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Pentachlorophenol	UG/KG	1,890	U	UJ	LCS-L, SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Pentachlorophenol	UG/KG	1,900	U	UJ	LCS-L, SS-L
92179407	SB-501	92179407014	EPA 8270	Pentachlorophenol	UG/KG	2,070	U	UJ	LCS-L, SS-L
92179407	SB-17-13-14	92179407013	EPA 8270	Phenol	UG/KG	424	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270	Phenol	UG/KG	363	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270	Phenol	UG/KG	420	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270	Phenol	UG/KG	389	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270	Phenol	UG/KG	392	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270	Phenol	UG/KG	382	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270	Phenol	UG/KG	373	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270	Phenol	UG/KG	407	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270	Phenol	UG/KG	382	U	UJ	SS-L
92179407	SB-21-14-15	92179407007	EPA 8270	Phenol	UG/KG	372	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270	Phenol	UG/KG	371	U	UJ	MS-L, SS-L
92179407	SB-25-3-4	92179407021	EPA 8270	Phenol	UG/KG	378	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270	Phenol	UG/KG	379	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270	Phenol	UG/KG	414	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	399	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	379	U	UJ	CCV%D
92180022	SB-04-3-4	92180022006	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	368	U	UJ	CCV%D

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-04-6-7	92180022007	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	361	U	UJ	CCV%D, SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	447	U	UJ	CCV%D
92180022	SB-206-4-5	92180022009	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	440	U	UJ	CCV%D, SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	394	U	UJ	CCV%D, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	401	U	UJ	CCV%D, SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	361	U	UJ	CCV%D
92180022	SB-23-9-10	92180022013	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	399	U	UJ	CCV%D, SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	387	U	UJ	CCV%D
92180022	SB-24-3-4	92180022003	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	368	U	UJ	CCV%D
92180022	SB-24-8-9	92180022004	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	373	U	UJ	CCV%D
92180022	SB-502	92180022002	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	375	U	UJ	CCV%D
92180022	SB-04-6-7	92180022007	EPA 8270	2,4,5-Trichlorophenol	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	2,4,5-Trichlorophenol	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	2,4,5-Trichlorophenol	UG/KG	394	U	UJ	SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	2,4,5-Trichlorophenol	UG/KG	401	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	2,4,5-Trichlorophenol	UG/KG	399	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	2,4,6-Trichlorophenol	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	2,4,6-Trichlorophenol	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	2,4,6-Trichlorophenol	UG/KG	394	U	UJ	SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	2,4,6-Trichlorophenol	UG/KG	401	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	2,4,6-Trichlorophenol	UG/KG	399	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	2,4-Dichlorophenol	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	2,4-Dichlorophenol	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	2,4-Dichlorophenol	UG/KG	399	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	2,4-Dimethylphenol	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	2,4-Dimethylphenol	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	2,4-Dimethylphenol	UG/KG	394	U	UJ	SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	2,4-Dimethylphenol	UG/KG	401	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	2,4-Dimethylphenol	UG/KG	399	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	2,4-Dinitrophenol	UG/KG	1,900	U	UJ	CCV%D
92180022	SB-04-3-4	92180022006	EPA 8270	2,4-Dinitrophenol	UG/KG	1,840	U	UJ	CCV%D
92180022	SB-04-6-7	92180022007	EPA 8270	2,4-Dinitrophenol	UG/KG	1,800	U	UJ	CCV%D, SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	2,4-Dinitrophenol	UG/KG	2,230	U	UJ	CCV%D
92180022	SB-206-4-5	92180022009	EPA 8270	2,4-Dinitrophenol	UG/KG	2,200	U	UJ	CCV%D, SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	2,4-Dinitrophenol	UG/KG	1,970	U	UJ	CCV%D, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	2,4-Dinitrophenol	UG/KG	2,000	U	UJ	CCV%D, SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	2,4-Dinitrophenol	UG/KG	1,810	U	UJ	CCV%D

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
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SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-23-9-10	92180022013	EPA 8270	2,4-Dinitrophenol	UG/KG	2,000	U	UJ	CCV%D, SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	2,4-Dinitrophenol	UG/KG	1,930	U	UJ	CCV%D
92180022	SB-206-14-15	92180022011	EPA 8270	2,4-Dinitrotoluene	UG/KG	447	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	2,4-Dinitrotoluene	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	2,4-Dinitrotoluene	UG/KG	394	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	2,4-Dinitrotoluene	UG/KG	399	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	2,4-Dinitrotoluene	UG/KG	387	U	UJ	SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	2,6-Dinitrotoluene	UG/KG	447	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	2,6-Dinitrotoluene	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	2,6-Dinitrotoluene	UG/KG	394	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	2,6-Dinitrotoluene	UG/KG	399	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	2,6-Dinitrotoluene	UG/KG	387	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	2-Chloronaphthalene	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	2-Chloronaphthalene	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	2-Chloronaphthalene	UG/KG	361	U	UJ	SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	2-Chloronaphthalene	UG/KG	447	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	2-Chloronaphthalene	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	2-Chloronaphthalene	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	2-Chloronaphthalene	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	2-Chloronaphthalene	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	2-Chloronaphthalene	UG/KG	399	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	2-Chloronaphthalene	UG/KG	387	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	2-Chloronaphthalene	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	2-Chloronaphthalene	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	2-Chloronaphthalene	UG/KG	375	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	2-Chlorophenol	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	2-Chlorophenol	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	2-Chlorophenol	UG/KG	394	U	UJ	SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	2-Chlorophenol	UG/KG	401	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	2-Chlorophenol	UG/KG	399	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	2-Methylphenol	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	2-Methylphenol	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	2-Methylphenol	UG/KG	394	U	UJ	SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	2-Methylphenol	UG/KG	401	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	2-Methylphenol	UG/KG	399	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	2-Nitroaniline	UG/KG	1,900	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	2-Nitroaniline	UG/KG	1,840	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
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SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-04-6-7	92180022007	EPA 8270	2-Nitroaniline	UG/KG	1,800	U	UJ	SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	2-Nitroaniline	UG/KG	2,230	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	2-Nitroaniline	UG/KG	2,200	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	2-Nitroaniline	UG/KG	1,970	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	2-Nitroaniline	UG/KG	2,000	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	2-Nitroaniline	UG/KG	1,810	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	2-Nitroaniline	UG/KG	2,000	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	2-Nitroaniline	UG/KG	1,930	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	2-Nitroaniline	UG/KG	1,840	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	2-Nitroaniline	UG/KG	1,870	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	2-Nitroaniline	UG/KG	1,880	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	2-Nitrophenol	UG/KG	379	U	UJ	CCV%D
92180022	SB-04-3-4	92180022006	EPA 8270	2-Nitrophenol	UG/KG	368	U	UJ	CCV%D
92180022	SB-04-6-7	92180022007	EPA 8270	2-Nitrophenol	UG/KG	361	U	UJ	CCV%D, SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	2-Nitrophenol	UG/KG	447	U	UJ	CCV%D
92180022	SB-206-4-5	92180022009	EPA 8270	2-Nitrophenol	UG/KG	440	U	UJ	CCV%D, SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	2-Nitrophenol	UG/KG	394	U	UJ	CCV%D, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	2-Nitrophenol	UG/KG	401	U	UJ	CCV%D, SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	2-Nitrophenol	UG/KG	361	U	UJ	CCV%D
92180022	SB-23-9-10	92180022013	EPA 8270	2-Nitrophenol	UG/KG	399	U	UJ	CCV%D, SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	2-Nitrophenol	UG/KG	387	U	UJ	CCV%D
92180022	SB-24-3-4	92180022003	EPA 8270	2-Nitrophenol	UG/KG	368	U	UJ	CCV%D
92180022	SB-24-8-9	92180022004	EPA 8270	2-Nitrophenol	UG/KG	373	U	UJ	CCV%D
92180022	SB-502	92180022002	EPA 8270	2-Nitrophenol	UG/KG	375	U	UJ	CCV%D
92180022	SB-04-6-7	92180022007	EPA 8270	3 & 4 Methylphenol	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	3 & 4 Methylphenol	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	3 & 4 Methylphenol	UG/KG	394	U	UJ	SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	3 & 4 Methylphenol	UG/KG	401	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	3 & 4 Methylphenol	UG/KG	399	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,900	U	UJ	LCS-L, SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,840	U	UJ	LCS-L, SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,800	U	UJ	LCS-L, SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,230	U	UJ	LCS-L
92180022	SB-206-4-5	92180022009	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,200	U	UJ	LCS-L, SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,970	U	UJ	LCS-L, MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,000	U	UJ	LCS-L, SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,810	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
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SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-23-9-10	92180022013	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,000	U	UJ	LCS-L, SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,930	U	UJ	LCS-L, SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,840	U	UJ	LCS-L, SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,870	U	UJ	LCS-L, SS-L
92180022	SB-502	92180022002	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,880	U	UJ	LCS-L, SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	3-Nitroaniline	UG/KG	1,900	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	3-Nitroaniline	UG/KG	1,840	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	3-Nitroaniline	UG/KG	1,800	U	UJ	SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	3-Nitroaniline	UG/KG	2,230	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	3-Nitroaniline	UG/KG	2,200	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	3-Nitroaniline	UG/KG	1,970	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	3-Nitroaniline	UG/KG	2,000	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	3-Nitroaniline	UG/KG	1,810	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	3-Nitroaniline	UG/KG	2,000	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	3-Nitroaniline	UG/KG	1,930	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	3-Nitroaniline	UG/KG	1,840	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	3-Nitroaniline	UG/KG	1,870	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	3-Nitroaniline	UG/KG	1,880	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	722	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	879	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	787	U	UJ	SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	679	J	J	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	799	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	399	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	375	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	4-Chloro-3-methylphenol	UG/KG	879	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	4-Chloro-3-methylphenol	UG/KG	787	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	4-Chloro-3-methylphenol	UG/KG	799	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
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Asheville, North Carolina
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SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-04-11-12	92180022008	EPA 8270	4-Chloroaniline	UG/KG	1,900	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	4-Chloroaniline	UG/KG	1,840	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	4-Chloroaniline	UG/KG	1,800	U	UJ	SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	4-Chloroaniline	UG/KG	2,230	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	4-Chloroaniline	UG/KG	2,200	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	4-Chloroaniline	UG/KG	1,970	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	4-Chloroaniline	UG/KG	2,000	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	4-Chloroaniline	UG/KG	1,810	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	4-Chloroaniline	UG/KG	2,000	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	4-Chloroaniline	UG/KG	1,930	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	4-Chloroaniline	UG/KG	1,840	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	4-Chloroaniline	UG/KG	1,870	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	4-Chloroaniline	UG/KG	1,880	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	361	U	UJ	SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	447	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	399	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	387	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	4-Nitroaniline	UG/KG	759	U	UJ	CCV%D, SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	4-Nitroaniline	UG/KG	736	U	UJ	CCV%D, SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	4-Nitroaniline	UG/KG	722	U	UJ	CCV%D, SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	4-Nitroaniline	UG/KG	893	U	UJ	CCV%D, SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	4-Nitroaniline	UG/KG	879	U	UJ	CCV%D, SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	4-Nitroaniline	UG/KG	787	U	UJ	CCV%D, MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	4-Nitroaniline	UG/KG	802	U	UJ	CCV%D, SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	4-Nitroaniline	UG/KG	722	U	UJ	CCV%D, SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	4-Nitroaniline	UG/KG	799	U	UJ	CCV%D, SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	4-Nitroaniline	UG/KG	774	U	UJ	CCV%D, SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	4-Nitroaniline	UG/KG	736	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-24-8-9	92180022004	EPA 8270	4-Nitroaniline	UG/KG	747	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	4-Nitroaniline	UG/KG	751	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	4-Nitrophenol	UG/KG	1,800	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	4-Nitrophenol	UG/KG	2,200	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	4-Nitrophenol	UG/KG	1,970	U	UJ	SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	4-Nitrophenol	UG/KG	2,000	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	4-Nitrophenol	UG/KG	2,000	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Acetophenone	UG/KG	379	U	UJ	LCS-L, SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Acetophenone	UG/KG	368	U	UJ	LCS-L, SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Acetophenone	UG/KG	361	U	UJ	LCS-L, SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	Acetophenone	UG/KG	447	U	UJ	LCS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Acetophenone	UG/KG	440	U	UJ	LCS-L, SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Acetophenone	UG/KG	394	U	UJ	LCS-L, MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Acetophenone	UG/KG	401	U	UJ	LCS-L, SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Acetophenone	UG/KG	361	U	UJ	LCS-L, SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Acetophenone	UG/KG	399	U	UJ	LCS-L, SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	Acetophenone	UG/KG	387	U	UJ	LCS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Acetophenone	UG/KG	368	U	UJ	LCS-L, SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Acetophenone	UG/KG	373	U	UJ	LCS-L, SS-L
92180022	SB-502	92180022002	EPA 8270	Acetophenone	UG/KG	375	U	UJ	LCS-L, SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Atrazine	UG/KG	759	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Atrazine	UG/KG	736	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Atrazine	UG/KG	722	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Atrazine	UG/KG	879	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Atrazine	UG/KG	787	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Atrazine	UG/KG	802	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Atrazine	UG/KG	722	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Atrazine	UG/KG	799	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Atrazine	UG/KG	736	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Atrazine	UG/KG	747	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Atrazine	UG/KG	751	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Benzaldehyde	UG/KG	759	U	UR	LCS-L, SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Benzaldehyde	UG/KG	736	U	UR	LCS-L, SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Benzaldehyde	UG/KG	722	U	UR	LCS-L, SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	Benzaldehyde	UG/KG	893	U	UR	LCS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Benzaldehyde	UG/KG	879	U	UR	LCS-L, SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Benzaldehyde	UG/KG	787	U	UR	LCS-L, MS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-23-0-1	92180022012	EPA 8270	Benzaldehyde	UG/KG	802	U	UR	LCS-L, SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Benzaldehyde	UG/KG	722	U	UR	LCS-L, SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Benzaldehyde	UG/KG	799	U	UR	LCS-L, SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	Benzaldehyde	UG/KG	774	U	UR	LCS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Benzaldehyde	UG/KG	736	U	UR	LCS-L, SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Benzaldehyde	UG/KG	747	U	UR	LCS-L, SS-L
92180022	SB-502	92180022002	EPA 8270	Benzaldehyde	UG/KG	751	U	UR	LCS-L, SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Biphenyl	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Biphenyl	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Biphenyl	UG/KG	361	U	UJ	SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	Biphenyl	UG/KG	447	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Biphenyl	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Biphenyl	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Biphenyl	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Biphenyl	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Biphenyl	UG/KG	399	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	Biphenyl	UG/KG	387	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Biphenyl	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Biphenyl	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Biphenyl	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	399	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	401	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-23-14-15	92180022014	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	399	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	399	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	399	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	387	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Butylbenzylphthalate	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Butylbenzylphthalate	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Butylbenzylphthalate	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Butylbenzylphthalate	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Butylbenzylphthalate	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Butylbenzylphthalate	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Butylbenzylphthalate	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Butylbenzylphthalate	UG/KG	399	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	Butylbenzylphthalate	UG/KG	387	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-24-3-4	92180022003	EPA 8270	Butylbenzylphthalate	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Butylbenzylphthalate	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Butylbenzylphthalate	UG/KG	375	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Caprolactam	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Caprolactam	UG/KG	394	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Caprolactam	UG/KG	399	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Carbazole	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Carbazole	UG/KG	394	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Carbazole	UG/KG	399	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Dibenzofuran	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Dibenzofuran	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Dibenzofuran	UG/KG	361	U	UJ	SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	Dibenzofuran	UG/KG	447	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Dibenzofuran	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Dibenzofuran	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Dibenzofuran	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Dibenzofuran	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Dibenzofuran	UG/KG	399	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	Dibenzofuran	UG/KG	387	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Dibenzofuran	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Dibenzofuran	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Dibenzofuran	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Diethylphthalate	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Diethylphthalate	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Diethylphthalate	UG/KG	361	U	UJ	SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	Diethylphthalate	UG/KG	447	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Diethylphthalate	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Diethylphthalate	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Diethylphthalate	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Diethylphthalate	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Diethylphthalate	UG/KG	399	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	Diethylphthalate	UG/KG	387	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Diethylphthalate	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Diethylphthalate	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Diethylphthalate	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Dimethylphthalate	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Dimethylphthalate	UG/KG	368	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-04-6-7	92180022007	EPA 8270	Dimethylphthalate	UG/KG	361	U	UJ	SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	Dimethylphthalate	UG/KG	447	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Dimethylphthalate	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Dimethylphthalate	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Dimethylphthalate	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Dimethylphthalate	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Dimethylphthalate	UG/KG	399	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	Dimethylphthalate	UG/KG	387	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Dimethylphthalate	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Dimethylphthalate	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Dimethylphthalate	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Di-n-butylphthalate	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Di-n-butylphthalate	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Di-n-butylphthalate	UG/KG	361	U	UJ	SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	Di-n-butylphthalate	UG/KG	447	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Di-n-butylphthalate	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Di-n-butylphthalate	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Di-n-butylphthalate	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Di-n-butylphthalate	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Di-n-butylphthalate	UG/KG	399	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	Di-n-butylphthalate	UG/KG	387	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Di-n-butylphthalate	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Di-n-butylphthalate	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Di-n-butylphthalate	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Di-n-octylphthalate	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Di-n-octylphthalate	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Di-n-octylphthalate	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Di-n-octylphthalate	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Di-n-octylphthalate	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Di-n-octylphthalate	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Di-n-octylphthalate	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Di-n-octylphthalate	UG/KG	399	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	Di-n-octylphthalate	UG/KG	387	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Di-n-octylphthalate	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Di-n-octylphthalate	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Di-n-octylphthalate	UG/KG	238	J	J	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Hexachlorobenzene	UG/KG	379	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-04-3-4	92180022006	EPA 8270	Hexachlorobenzene	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Hexachlorobenzene	UG/KG	361	U	UJ	SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	Hexachlorobenzene	UG/KG	447	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Hexachlorobenzene	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Hexachlorobenzene	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Hexachlorobenzene	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Hexachlorobenzene	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Hexachlorobenzene	UG/KG	399	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	Hexachlorobenzene	UG/KG	387	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Hexachlorobenzene	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Hexachlorobenzene	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Hexachlorobenzene	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Hexachlorobutadiene	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Hexachlorobutadiene	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Hexachlorobutadiene	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Hexachlorobutadiene	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Hexachlorobutadiene	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Hexachlorobutadiene	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Hexachlorobutadiene	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Hexachlorobutadiene	UG/KG	399	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Hexachlorobutadiene	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Hexachlorobutadiene	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Hexachlorobutadiene	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Hexachlorocyclopentadiene	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Hexachlorocyclopentadiene	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Hexachlorocyclopentadiene	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Hexachlorocyclopentadiene	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Hexachlorocyclopentadiene	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Hexachlorocyclopentadiene	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Hexachlorocyclopentadiene	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Hexachlorocyclopentadiene	UG/KG	399	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Hexachlorocyclopentadiene	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Hexachlorocyclopentadiene	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Hexachlorocyclopentadiene	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Hexachloroethane	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Hexachloroethane	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Hexachloroethane	UG/KG	361	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-206-4-5	92180022009	EPA 8270	Hexachloroethane	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Hexachloroethane	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Hexachloroethane	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Hexachloroethane	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Hexachloroethane	UG/KG	399	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Hexachloroethane	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Hexachloroethane	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Hexachloroethane	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Isophorone	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Isophorone	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Isophorone	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Isophorone	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Isophorone	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Isophorone	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Isophorone	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Isophorone	UG/KG	399	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Isophorone	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Isophorone	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Isophorone	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	Nitrobenzene	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	Nitrobenzene	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	Nitrobenzene	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Nitrobenzene	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Nitrobenzene	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	Nitrobenzene	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	Nitrobenzene	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Nitrobenzene	UG/KG	399	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	Nitrobenzene	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	Nitrobenzene	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	Nitrobenzene	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	361	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	361	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-23-9-10	92180022013	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	399	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	375	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270	N-Nitrosodiphenylamine	UG/KG	379	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270	N-Nitrosodiphenylamine	UG/KG	368	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270	N-Nitrosodiphenylamine	UG/KG	361	U	UJ	SS-L
92180022	SB-206-14-15	92180022011	EPA 8270	N-Nitrosodiphenylamine	UG/KG	447	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	N-Nitrosodiphenylamine	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	N-Nitrosodiphenylamine	UG/KG	394	U	UJ	MS-L, SS-L
92180022	SB-23-0-1	92180022012	EPA 8270	N-Nitrosodiphenylamine	UG/KG	401	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270	N-Nitrosodiphenylamine	UG/KG	361	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	N-Nitrosodiphenylamine	UG/KG	399	U	UJ	SS-L
92180022	SB-24-14-15	92180022005	EPA 8270	N-Nitrosodiphenylamine	UG/KG	387	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270	N-Nitrosodiphenylamine	UG/KG	368	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270	N-Nitrosodiphenylamine	UG/KG	373	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270	N-Nitrosodiphenylamine	UG/KG	375	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Pentachlorophenol	UG/KG	2,200	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Pentachlorophenol	UG/KG	1,970	U	UJ	MS-L, SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Pentachlorophenol	UG/KG	2,000	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270	Phenol	UG/KG	440	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270	Phenol	UG/KG	394	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270	Phenol	UG/KG	399	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	414	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	369	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	361	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	397	U	UJ	SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	408	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	397	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	413	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	390	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	421	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	370	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	397	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	402	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-13-5-6	92180392006	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	387	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	382	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	413	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	379	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	402	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	375	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	404	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	390	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	366	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	397	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	377	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	383	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	439	U	UJ	SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	407	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	395	U	UJ	MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	366	U	UJ	SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	393	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	385	U	UJ	LCS-L, LCS-RPD, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	395	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	417	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	1,2,4,5-Tetrachlorobenzene	UG/KG	422	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	397	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	390	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	370	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	382	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	379	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	382	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	377	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	395	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	2,3,4,6-Tetrachlorophenol	UG/KG	385	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	2,4,5-Trichlorophenol	UG/KG	397	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-11-7-8	92180392021	EPA 8270	2,4,5-Trichlorophenol	UG/KG	390	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	2,4,5-Trichlorophenol	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	2,4,5-Trichlorophenol	UG/KG	370	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	2,4,5-Trichlorophenol	UG/KG	382	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	2,4,5-Trichlorophenol	UG/KG	379	U	UJ	SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	2,4,5-Trichlorophenol	UG/KG	3,770	U	UJ	IS-L
92180392	SB-16-10-11	92180392010	EPA 8270	2,4,5-Trichlorophenol	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	2,4,5-Trichlorophenol	UG/KG	382	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	2,4,5-Trichlorophenol	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	2,4,5-Trichlorophenol	UG/KG	377	U	UJ	SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	2,4,5-Trichlorophenol	UG/KG	414	U	UJ	IS-L
92180392	SB-208-7-9	92180392034	EPA 8270	2,4,5-Trichlorophenol	UG/KG	395	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	2,4,5-Trichlorophenol	UG/KG	385	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	2,4,6-Trichlorophenol	UG/KG	397	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	2,4,6-Trichlorophenol	UG/KG	390	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	2,4,6-Trichlorophenol	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	2,4,6-Trichlorophenol	UG/KG	370	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	2,4,6-Trichlorophenol	UG/KG	382	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	2,4,6-Trichlorophenol	UG/KG	379	U	UJ	SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	2,4,6-Trichlorophenol	UG/KG	3,770	U	UJ	IS-L
92180392	SB-16-10-11	92180392010	EPA 8270	2,4,6-Trichlorophenol	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	2,4,6-Trichlorophenol	UG/KG	382	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	2,4,6-Trichlorophenol	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	2,4,6-Trichlorophenol	UG/KG	377	U	UJ	SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	2,4,6-Trichlorophenol	UG/KG	414	U	UJ	IS-L
92180392	SB-208-7-9	92180392034	EPA 8270	2,4,6-Trichlorophenol	UG/KG	395	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	2,4,6-Trichlorophenol	UG/KG	385	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	2,4-Dichlorophenol	UG/KG	397	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	2,4-Dichlorophenol	UG/KG	380	U	UJ	MS-L
92180392	SB-11-7-8	92180392021	EPA 8270	2,4-Dichlorophenol	UG/KG	390	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	2,4-Dichlorophenol	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	2,4-Dichlorophenol	UG/KG	370	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	2,4-Dichlorophenol	UG/KG	382	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	2,4-Dichlorophenol	UG/KG	379	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	2,4-Dichlorophenol	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	2,4-Dichlorophenol	UG/KG	382	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	2,4-Dichlorophenol	UG/KG	397	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-205-0-1	92180392041	EPA 8270	2,4-Dichlorophenol	UG/KG	377	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	2,4-Dichlorophenol	UG/KG	395	U	UJ	MS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	2,4-Dichlorophenol	UG/KG	385	U	UJ	LCS-RPD, SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	2,4-Dimethylphenol	UG/KG	397	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	2,4-Dimethylphenol	UG/KG	390	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	2,4-Dimethylphenol	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	2,4-Dimethylphenol	UG/KG	370	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	2,4-Dimethylphenol	UG/KG	382	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	2,4-Dimethylphenol	UG/KG	379	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	2,4-Dimethylphenol	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	2,4-Dimethylphenol	UG/KG	382	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	2,4-Dimethylphenol	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	2,4-Dimethylphenol	UG/KG	377	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	2,4-Dimethylphenol	UG/KG	395	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	2,4-Dimethylphenol	UG/KG	385	U	UJ	LCS-RPD, SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	2,4-Dinitrophenol	UG/KG	1,980	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	2,4-Dinitrophenol	UG/KG	1,900	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	2,4-Dinitrophenol	UG/KG	1,950	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	2,4-Dinitrophenol	UG/KG	1,830	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	2,4-Dinitrophenol	UG/KG	1,850	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	2,4-Dinitrophenol	UG/KG	1,990	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	2,4-Dinitrophenol	UG/KG	1,910	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	2,4-Dinitrophenol	UG/KG	1,890	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	2,4-Dinitrophenol	UG/KG	2,130	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	2,4-Dinitrophenol	UG/KG	1,910	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	2,4-Dinitrophenol	UG/KG	2,020	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	2,4-Dinitrophenol	UG/KG	1,980	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	2,4-Dinitrophenol	UG/KG	1,990	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	2,4-Dinitrophenol	UG/KG	1,880	U	UJ	SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	2,4-Dinitrophenol	UG/KG	2,030	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	2,4-Dinitrophenol	UG/KG	1,980	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	2,4-Dinitrophenol	UG/KG	1,920	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	2,4-Dinitrotoluene	UG/KG	397	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	2,4-Dinitrotoluene	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	2,4-Dinitrotoluene	UG/KG	390	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	2,4-Dinitrotoluene	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	2,4-Dinitrotoluene	UG/KG	370	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-13-10-11	92180392007	EPA 8270	2,4-Dinitrotoluene	UG/KG	397	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	2,4-Dinitrotoluene	UG/KG	382	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	2,4-Dinitrotoluene	UG/KG	413	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	2,4-Dinitrotoluene	UG/KG	379	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	2,4-Dinitrotoluene	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	2,4-Dinitrotoluene	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	2,4-Dinitrotoluene	UG/KG	404	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	2,4-Dinitrotoluene	UG/KG	397	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	2,4-Dinitrotoluene	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	2,4-Dinitrotoluene	UG/KG	377	U	UJ	SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	2,4-Dinitrotoluene	UG/KG	407	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	2,4-Dinitrotoluene	UG/KG	395	U	UJ	MS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	2,4-Dinitrotoluene	UG/KG	385	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	2,6-Dinitrotoluene	UG/KG	397	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	2,6-Dinitrotoluene	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	2,6-Dinitrotoluene	UG/KG	390	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	2,6-Dinitrotoluene	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	2,6-Dinitrotoluene	UG/KG	370	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	2,6-Dinitrotoluene	UG/KG	397	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	2,6-Dinitrotoluene	UG/KG	382	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	2,6-Dinitrotoluene	UG/KG	413	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	2,6-Dinitrotoluene	UG/KG	379	U	UJ	SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	2,6-Dinitrotoluene	UG/KG	3,770	U	UJ	IS-L
92180392	SB-16-10-11	92180392010	EPA 8270	2,6-Dinitrotoluene	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	2,6-Dinitrotoluene	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	2,6-Dinitrotoluene	UG/KG	404	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	2,6-Dinitrotoluene	UG/KG	397	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	2,6-Dinitrotoluene	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	2,6-Dinitrotoluene	UG/KG	377	U	UJ	SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	2,6-Dinitrotoluene	UG/KG	414	U	UJ	IS-L
92180392	SB-208-4-5	92180392032	EPA 8270	2,6-Dinitrotoluene	UG/KG	407	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	2,6-Dinitrotoluene	UG/KG	395	U	UJ	MS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	2,6-Dinitrotoluene	UG/KG	385	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	2-Chloronaphthalene	UG/KG	414	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	2-Chloronaphthalene	UG/KG	369	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	2-Chloronaphthalene	UG/KG	361	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	2-Chloronaphthalene	UG/KG	397	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-07-13-14	92180392031	EPA 8270	2-Chloronaphthalene	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	2-Chloronaphthalene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	2-Chloronaphthalene	UG/KG	413	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	2-Chloronaphthalene	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	2-Chloronaphthalene	UG/KG	390	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	2-Chloronaphthalene	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	2-Chloronaphthalene	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	2-Chloronaphthalene	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	2-Chloronaphthalene	UG/KG	397	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	2-Chloronaphthalene	UG/KG	402	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	2-Chloronaphthalene	UG/KG	387	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	2-Chloronaphthalene	UG/KG	382	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	2-Chloronaphthalene	UG/KG	413	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	2-Chloronaphthalene	UG/KG	379	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	2-Chloronaphthalene	UG/KG	402	U	UJ	SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	2-Chloronaphthalene	UG/KG	3,770	U	UJ	IS-L
92180392	SB-15-7-8	92180392015	EPA 8270	2-Chloronaphthalene	UG/KG	375	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	2-Chloronaphthalene	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	2-Chloronaphthalene	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	2-Chloronaphthalene	UG/KG	404	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	2-Chloronaphthalene	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	2-Chloronaphthalene	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	2-Chloronaphthalene	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	2-Chloronaphthalene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	2-Chloronaphthalene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	2-Chloronaphthalene	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	2-Chloronaphthalene	UG/KG	414	U	UJ	IS-L
92180392	SB-205-6-7	92180392042	EPA 8270	2-Chloronaphthalene	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	2-Chloronaphthalene	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	2-Chloronaphthalene	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	2-Chloronaphthalene	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	2-Chloronaphthalene	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	2-Chloronaphthalene	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	2-Chloronaphthalene	UG/KG	385	U	UJ	LCS-L, LCS-RPD, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	2-Chloronaphthalene	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	2-Chloronaphthalene	UG/KG	417	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	2-Chloronaphthalene	UG/KG	422	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-07-0-1	92180392029	EPA 8270	2-Chlorophenol	UG/KG	397	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	2-Chlorophenol	UG/KG	390	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	2-Chlorophenol	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	2-Chlorophenol	UG/KG	370	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	2-Chlorophenol	UG/KG	382	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	2-Chlorophenol	UG/KG	379	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	2-Chlorophenol	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	2-Chlorophenol	UG/KG	382	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	2-Chlorophenol	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	2-Chlorophenol	UG/KG	377	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	2-Chlorophenol	UG/KG	395	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	2-Chlorophenol	UG/KG	385	U	UJ	LCS-L, LCS-RPD, SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	2-Methylphenol	UG/KG	397	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	2-Methylphenol	UG/KG	390	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	2-Methylphenol	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	2-Methylphenol	UG/KG	370	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	2-Methylphenol	UG/KG	382	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	2-Methylphenol	UG/KG	379	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	2-Methylphenol	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	2-Methylphenol	UG/KG	382	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	2-Methylphenol	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	2-Methylphenol	UG/KG	377	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	2-Methylphenol	UG/KG	395	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	2-Methylphenol	UG/KG	385	U	UJ	LCS-L, LCS-RPD, SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	2-Nitroaniline	UG/KG	2,070	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	2-Nitroaniline	UG/KG	1,840	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	2-Nitroaniline	UG/KG	1,800	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	2-Nitroaniline	UG/KG	1,980	U	UJ	SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	2-Nitroaniline	UG/KG	2,040	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	2-Nitroaniline	UG/KG	1,990	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	2-Nitroaniline	UG/KG	2,060	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	2-Nitroaniline	UG/KG	1,900	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	2-Nitroaniline	UG/KG	1,950	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	2-Nitroaniline	UG/KG	2,110	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	2-Nitroaniline	UG/KG	1,830	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	2-Nitroaniline	UG/KG	1,850	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	2-Nitroaniline	UG/KG	1,990	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-13-2-3	92180392005	EPA 8270	2-Nitroaniline	UG/KG	2,010	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	2-Nitroaniline	UG/KG	1,930	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	2-Nitroaniline	UG/KG	1,910	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	2-Nitroaniline	UG/KG	2,060	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	2-Nitroaniline	UG/KG	1,890	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	2-Nitroaniline	UG/KG	2,010	U	UJ	SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	2-Nitroaniline	UG/KG	18,900	U	UJ	IS-L
92180392	SB-15-7-8	92180392015	EPA 8270	2-Nitroaniline	UG/KG	1,880	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	2-Nitroaniline	UG/KG	2,130	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	2-Nitroaniline	UG/KG	1,910	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	2-Nitroaniline	UG/KG	2,020	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	2-Nitroaniline	UG/KG	1,950	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270	2-Nitroaniline	UG/KG	1,830	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	2-Nitroaniline	UG/KG	1,980	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	2-Nitroaniline	UG/KG	1,990	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	2-Nitroaniline	UG/KG	1,880	U	UJ	SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	2-Nitroaniline	UG/KG	2,070	U	UJ	IS-L
92180392	SB-205-6-7	92180392042	EPA 8270	2-Nitroaniline	UG/KG	1,920	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	2-Nitroaniline	UG/KG	2,200	U	UJ	SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	2-Nitroaniline	UG/KG	2,030	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	2-Nitroaniline	UG/KG	1,980	U	UJ	MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	2-Nitroaniline	UG/KG	1,830	U	UJ	SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	2-Nitroaniline	UG/KG	1,960	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	2-Nitroaniline	UG/KG	1,920	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	2-Nitroaniline	UG/KG	1,970	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270	2-Nitroaniline	UG/KG	2,090	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	2-Nitroaniline	UG/KG	2,110	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	2-Nitrophenol	UG/KG	397	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	2-Nitrophenol	UG/KG	390	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	2-Nitrophenol	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	2-Nitrophenol	UG/KG	370	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	2-Nitrophenol	UG/KG	382	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	2-Nitrophenol	UG/KG	379	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	2-Nitrophenol	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	2-Nitrophenol	UG/KG	382	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	2-Nitrophenol	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	2-Nitrophenol	UG/KG	377	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-208-7-9	92180392034	EPA 8270	2-Nitrophenol	UG/KG	395	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	2-Nitrophenol	UG/KG	385	U	UJ	LCS-RPD, SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	3 & 4 Methylphenol	UG/KG	397	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	3 & 4 Methylphenol	UG/KG	390	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	3 & 4 Methylphenol	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	3 & 4 Methylphenol	UG/KG	370	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	3 & 4 Methylphenol	UG/KG	382	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	3 & 4 Methylphenol	UG/KG	379	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	3 & 4 Methylphenol	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	3 & 4 Methylphenol	UG/KG	382	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	3 & 4 Methylphenol	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	3 & 4 Methylphenol	UG/KG	377	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	3 & 4 Methylphenol	UG/KG	395	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	3 & 4 Methylphenol	UG/KG	385	U	UJ	LCS-RPD, SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,070	U	UJ	LCS-L, SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,840	U	UJ	LCS-L, SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,800	U	UJ	LCS-L, SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,980	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,040	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,990	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,060	U	UJ	LCS-L, SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,900	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,950	U	UJ	LCS-L, SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,110	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,830	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,850	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,990	U	UJ	LCS-L, SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,010	U	UJ	LCS-L, SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,930	U	UJ	LCS-L, SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,910	U	UJ	LCS-L, SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,060	U	UJ	LCS-L
92180392	SB-14-7-8	92180392018	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,890	U	UJ	LCS-L, SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,010	U	UJ	LCS-L, SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	18,900	U	UJ	LCS-L
92180392	SB-15-7-8	92180392015	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,880	U	UJ	LCS-L, SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,130	U	UJ	LCS-L, SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,910	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-16-7-8	92180392009	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,020	U	UJ	LCS-L, SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,950	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	97,000	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,830	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,980	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,990	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,880	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,070	U	UJ	LCS-L, SS-L
92180392	SB-205-6-7	92180392042	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,920	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,200	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,030	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,980	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,830	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,960	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,920	U	UJ	LCS-L, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	1,970	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,090	U	UJ	LCS-L, SS-L
92180392	SB-504	92180392004	EPA 8270	3,3'-Dichlorobenzidine	UG/KG	2,110	U	UJ	LCS-L, SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	3-Nitroaniline	UG/KG	2,070	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	3-Nitroaniline	UG/KG	1,840	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	3-Nitroaniline	UG/KG	1,800	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	3-Nitroaniline	UG/KG	1,980	U	UJ	SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	3-Nitroaniline	UG/KG	2,040	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	3-Nitroaniline	UG/KG	1,990	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	3-Nitroaniline	UG/KG	2,060	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	3-Nitroaniline	UG/KG	1,900	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	3-Nitroaniline	UG/KG	1,950	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	3-Nitroaniline	UG/KG	2,110	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	3-Nitroaniline	UG/KG	1,830	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	3-Nitroaniline	UG/KG	1,850	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	3-Nitroaniline	UG/KG	1,990	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	3-Nitroaniline	UG/KG	2,010	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	3-Nitroaniline	UG/KG	1,930	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	3-Nitroaniline	UG/KG	1,910	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	3-Nitroaniline	UG/KG	2,060	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	3-Nitroaniline	UG/KG	1,890	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	3-Nitroaniline	UG/KG	2,010	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-15-4-5	92180392014	EPA 8270	3-Nitroaniline	UG/KG	18,900	U	UJ	IS-L
92180392	SB-15-7-8	92180392015	EPA 8270	3-Nitroaniline	UG/KG	1,880	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	3-Nitroaniline	UG/KG	2,130	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	3-Nitroaniline	UG/KG	1,910	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	3-Nitroaniline	UG/KG	2,020	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	3-Nitroaniline	UG/KG	1,950	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270	3-Nitroaniline	UG/KG	1,830	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	3-Nitroaniline	UG/KG	1,980	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	3-Nitroaniline	UG/KG	1,990	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	3-Nitroaniline	UG/KG	1,880	U	UJ	SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	3-Nitroaniline	UG/KG	2,070	U	UJ	IS-L
92180392	SB-205-6-7	92180392042	EPA 8270	3-Nitroaniline	UG/KG	1,920	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	3-Nitroaniline	UG/KG	2,200	U	UJ	SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	3-Nitroaniline	UG/KG	2,030	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	3-Nitroaniline	UG/KG	1,980	U	UJ	MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	3-Nitroaniline	UG/KG	1,830	U	UJ	SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	3-Nitroaniline	UG/KG	1,960	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	3-Nitroaniline	UG/KG	1,920	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	3-Nitroaniline	UG/KG	1,970	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270	3-Nitroaniline	UG/KG	2,090	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	3-Nitroaniline	UG/KG	2,110	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	794	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	779	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	734	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	740	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	764	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	758	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	851	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	765	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	793	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	754	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	791	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	4,6-Dinitro-2-methylphenol	UG/KG	770	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	414	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	369	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	361	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	397	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-07-13-14	92180392031	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	408	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	397	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	413	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	390	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	421	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	370	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	397	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	402	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	387	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	382	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	413	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	379	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	402	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	375	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	404	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	390	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	366	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	397	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	377	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	383	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	439	U	UJ	SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	407	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	395	U	UJ	MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	366	U	UJ	SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	393	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	385	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	395	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	417	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	4-Bromophenyl phenyl ether	UG/KG	422	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	4-Chloro-3-methylphenol	UG/KG	794	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	4-Chloro-3-methylphenol	UG/KG	760	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	4-Chloro-3-methylphenol	UG/KG	779	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-12-2-3	92180392035	EPA 8270	4-Chloro-3-methylphenol	UG/KG	734	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	4-Chloro-3-methylphenol	UG/KG	740	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	4-Chloro-3-methylphenol	UG/KG	795	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	4-Chloro-3-methylphenol	UG/KG	764	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	4-Chloro-3-methylphenol	UG/KG	758	U	UJ	SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	4-Chloro-3-methylphenol	UG/KG	7,540	U	UJ	IS-L
92180392	SB-16-10-11	92180392010	EPA 8270	4-Chloro-3-methylphenol	UG/KG	851	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	4-Chloro-3-methylphenol	UG/KG	765	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	4-Chloro-3-methylphenol	UG/KG	807	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	4-Chloro-3-methylphenol	UG/KG	793	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	4-Chloro-3-methylphenol	UG/KG	794	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	4-Chloro-3-methylphenol	UG/KG	754	U	UJ	SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	4-Chloro-3-methylphenol	UG/KG	828	U	UJ	IS-L
92180392	SB-208-4-5	92180392032	EPA 8270	4-Chloro-3-methylphenol	UG/KG	813	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	4-Chloro-3-methylphenol	UG/KG	791	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	4-Chloro-3-methylphenol	UG/KG	770	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	4-Chloroaniline	UG/KG	2,070	U	UJ	LCS-L, SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	4-Chloroaniline	UG/KG	1,840	U	UJ	LCS-L, SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	4-Chloroaniline	UG/KG	1,800	U	UJ	LCS-L, SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	4-Chloroaniline	UG/KG	1,980	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	4-Chloroaniline	UG/KG	2,040	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	4-Chloroaniline	UG/KG	1,990	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	4-Chloroaniline	UG/KG	2,060	U	UJ	LCS-L, SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	4-Chloroaniline	UG/KG	1,900	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	4-Chloroaniline	UG/KG	1,950	U	UJ	LCS-L, SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	4-Chloroaniline	UG/KG	2,110	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	4-Chloroaniline	UG/KG	1,830	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	4-Chloroaniline	UG/KG	1,850	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	4-Chloroaniline	UG/KG	1,990	U	UJ	LCS-L, SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	4-Chloroaniline	UG/KG	2,010	U	UJ	LCS-L, SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	4-Chloroaniline	UG/KG	1,930	U	UJ	LCS-L, SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	4-Chloroaniline	UG/KG	1,910	U	UJ	LCS-L, SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	4-Chloroaniline	UG/KG	2,060	U	UJ	LCS-L, SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	4-Chloroaniline	UG/KG	1,890	U	UJ	LCS-L, SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	4-Chloroaniline	UG/KG	2,010	U	UJ	LCS-L, SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	4-Chloroaniline	UG/KG	18,900	U	UJ	LCS-L, IS-L
92180392	SB-15-7-8	92180392015	EPA 8270	4-Chloroaniline	UG/KG	1,880	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-16-10-11	92180392010	EPA 8270	4-Chloroaniline	UG/KG	2,130	U	UJ	LCS-L, SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	4-Chloroaniline	UG/KG	1,910	U	UJ	LCS-L, SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	4-Chloroaniline	UG/KG	2,020	U	UJ	LCS-L, SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	4-Chloroaniline	UG/KG	1,950	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	4-Chloroaniline	UG/KG	97,000	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	4-Chloroaniline	UG/KG	1,830	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	4-Chloroaniline	UG/KG	1,980	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	4-Chloroaniline	UG/KG	1,990	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	4-Chloroaniline	UG/KG	1,880	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	4-Chloroaniline	UG/KG	2,070	U	UJ	LCS-L, IS-L
92180392	SB-205-6-7	92180392042	EPA 8270	4-Chloroaniline	UG/KG	1,920	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	4-Chloroaniline	UG/KG	2,200	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	4-Chloroaniline	UG/KG	2,030	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	4-Chloroaniline	UG/KG	1,980	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	4-Chloroaniline	UG/KG	1,830	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	4-Chloroaniline	UG/KG	1,960	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	4-Chloroaniline	UG/KG	1,920	U	UJ	LCS-L, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	4-Chloroaniline	UG/KG	1,970	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	4-Chloroaniline	UG/KG	2,090	U	UJ	LCS-L, SS-L
92180392	SB-504	92180392004	EPA 8270	4-Chloroaniline	UG/KG	2,110	U	UJ	LCS-L, SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	414	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	369	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	361	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	397	U	UJ	SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	408	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	397	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	413	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	390	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	421	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	370	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	397	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	402	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	387	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	382	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	379	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-15-11-12	92180392016	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	402	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	375	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	404	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	390	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	366	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	397	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	377	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	383	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	439	U	UJ	SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	407	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	395	U	UJ	MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	366	U	UJ	SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	393	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	385	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	395	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	417	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	4-Chlorophenyl phenyl ether	UG/KG	422	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	4-Nitroaniline	UG/KG	827	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	4-Nitroaniline	UG/KG	738	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	4-Nitroaniline	UG/KG	721	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	4-Nitroaniline	UG/KG	794	U	UJ	SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	4-Nitroaniline	UG/KG	817	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	4-Nitroaniline	UG/KG	794	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	4-Nitroaniline	UG/KG	826	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	4-Nitroaniline	UG/KG	760	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	4-Nitroaniline	UG/KG	779	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	4-Nitroaniline	UG/KG	843	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	4-Nitroaniline	UG/KG	734	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	4-Nitroaniline	UG/KG	740	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	4-Nitroaniline	UG/KG	795	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	4-Nitroaniline	UG/KG	804	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	4-Nitroaniline	UG/KG	774	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	4-Nitroaniline	UG/KG	764	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	4-Nitroaniline	UG/KG	758	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-15-11-12	92180392016	EPA 8270	4-Nitroaniline	UG/KG	803	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270	4-Nitroaniline	UG/KG	751	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	4-Nitroaniline	UG/KG	851	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	4-Nitroaniline	UG/KG	765	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	4-Nitroaniline	UG/KG	807	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	4-Nitroaniline	UG/KG	780	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270	4-Nitroaniline	UG/KG	731	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	4-Nitroaniline	UG/KG	793	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	4-Nitroaniline	UG/KG	794	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	4-Nitroaniline	UG/KG	754	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270	4-Nitroaniline	UG/KG	767	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	4-Nitroaniline	UG/KG	879	U	UJ	SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	4-Nitroaniline	UG/KG	813	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	4-Nitroaniline	UG/KG	791	U	UJ	MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	4-Nitroaniline	UG/KG	733	U	UJ	SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	4-Nitroaniline	UG/KG	786	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	4-Nitroaniline	UG/KG	770	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	4-Nitroaniline	UG/KG	789	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270	4-Nitroaniline	UG/KG	834	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	4-Nitroaniline	UG/KG	844	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	4-Nitrophenol	UG/KG	1,980	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	4-Nitrophenol	UG/KG	1,950	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	4-Nitrophenol	UG/KG	1,830	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	4-Nitrophenol	UG/KG	1,850	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	4-Nitrophenol	UG/KG	1,910	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	4-Nitrophenol	UG/KG	1,890	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	4-Nitrophenol	UG/KG	2,130	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	4-Nitrophenol	UG/KG	1,910	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	4-Nitrophenol	UG/KG	1,980	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	4-Nitrophenol	UG/KG	1,880	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	4-Nitrophenol	UG/KG	1,980	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	4-Nitrophenol	UG/KG	1,920	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Acetophenone	UG/KG	414	U	UJ	LCS-L, SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Acetophenone	UG/KG	369	U	UJ	LCS-L, SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Acetophenone	UG/KG	361	U	UJ	LCS-L, SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Acetophenone	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Acetophenone	UG/KG	408	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-07-9-10	92180392030	EPA 8270	Acetophenone	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Acetophenone	UG/KG	413	U	UJ	LCS-L, SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Acetophenone	UG/KG	380	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Acetophenone	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Acetophenone	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Acetophenone	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Acetophenone	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Acetophenone	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Acetophenone	UG/KG	402	U	UJ	LCS-L, SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Acetophenone	UG/KG	387	U	UJ	LCS-L, SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Acetophenone	UG/KG	382	U	UJ	LCS-L, SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Acetophenone	UG/KG	413	U	UJ	LCS-L, SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Acetophenone	UG/KG	379	U	UJ	LCS-L, SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Acetophenone	UG/KG	402	U	UJ	LCS-L, SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	Acetophenone	UG/KG	3,770	U	UJ	LCS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Acetophenone	UG/KG	375	U	UJ	LCS-L, SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Acetophenone	UG/KG	426	U	UJ	LCS-L, SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Acetophenone	UG/KG	382	U	UJ	LCS-L, SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Acetophenone	UG/KG	404	U	UJ	LCS-L, SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Acetophenone	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Acetophenone	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Acetophenone	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Acetophenone	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Acetophenone	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Acetophenone	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	Acetophenone	UG/KG	414	U	UJ	LCS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Acetophenone	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Acetophenone	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Acetophenone	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Acetophenone	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Acetophenone	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Acetophenone	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Acetophenone	UG/KG	385	U	UJ	LCS-L, LCS-RPD, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Acetophenone	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Acetophenone	UG/KG	417	U	UJ	LCS-L, SS-L
92180392	SB-504	92180392004	EPA 8270	Acetophenone	UG/KG	422	U	UJ	LCS-L, SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Atrazine	UG/KG	827	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-01-4-5	92180392011	EPA 8270	Atrazine	UG/KG	738	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Atrazine	UG/KG	721	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Atrazine	UG/KG	794	U	UJ	SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Atrazine	UG/KG	817	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Atrazine	UG/KG	794	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Atrazine	UG/KG	826	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Atrazine	UG/KG	760	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Atrazine	UG/KG	779	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Atrazine	UG/KG	843	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Atrazine	UG/KG	734	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Atrazine	UG/KG	740	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Atrazine	UG/KG	795	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Atrazine	UG/KG	804	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Atrazine	UG/KG	774	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Atrazine	UG/KG	764	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Atrazine	UG/KG	825	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Atrazine	UG/KG	758	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Atrazine	UG/KG	803	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Atrazine	UG/KG	751	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Atrazine	UG/KG	851	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Atrazine	UG/KG	765	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Atrazine	UG/KG	807	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Atrazine	UG/KG	780	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Atrazine	UG/KG	731	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Atrazine	UG/KG	793	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Atrazine	UG/KG	794	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Atrazine	UG/KG	754	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Atrazine	UG/KG	767	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Atrazine	UG/KG	879	U	UJ	SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Atrazine	UG/KG	813	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Atrazine	UG/KG	791	U	UJ	MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Atrazine	UG/KG	733	U	UJ	SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Atrazine	UG/KG	786	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Atrazine	UG/KG	770	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Atrazine	UG/KG	789	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270	Atrazine	UG/KG	834	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	Atrazine	UG/KG	844	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-01-11-12	92180392013	EPA 8270	Benzaldehyde	UG/KG	827	U	UR	LCS-L, SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Benzaldehyde	UG/KG	738	U	UR	LCS-L, SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Benzaldehyde	UG/KG	721	U	UR	LCS-L, SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Benzaldehyde	UG/KG	794	U	UR	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Benzaldehyde	UG/KG	817	U	UR	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Benzaldehyde	UG/KG	794	U	UR	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Benzaldehyde	UG/KG	826	U	UR	LCS-L, SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Benzaldehyde	UG/KG	760	U	UR	LCS-L, MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Benzaldehyde	UG/KG	779	U	UR	LCS-L, SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Benzaldehyde	UG/KG	843	U	UR	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Benzaldehyde	UG/KG	734	U	UR	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Benzaldehyde	UG/KG	740	U	UR	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Benzaldehyde	UG/KG	795	U	UR	LCS-L, SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Benzaldehyde	UG/KG	804	U	UR	LCS-L, SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Benzaldehyde	UG/KG	774	U	UR	LCS-L, SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Benzaldehyde	UG/KG	764	U	UR	LCS-L, SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Benzaldehyde	UG/KG	825	U	UR	LCS-L, SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Benzaldehyde	UG/KG	758	U	UR	LCS-L, SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Benzaldehyde	UG/KG	803	U	UR	LCS-L, SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	Benzaldehyde	UG/KG	7,540	U	UR	LCS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Benzaldehyde	UG/KG	751	U	UR	LCS-L, SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Benzaldehyde	UG/KG	851	U	UR	LCS-L, SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Benzaldehyde	UG/KG	765	U	UR	LCS-L, SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Benzaldehyde	UG/KG	807	U	UR	LCS-L, SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Benzaldehyde	UG/KG	780	U	UR	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Benzaldehyde	UG/KG	38,800	U	UR	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Benzaldehyde	UG/KG	731	U	UR	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Benzaldehyde	UG/KG	793	U	UR	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Benzaldehyde	UG/KG	794	U	UR	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Benzaldehyde	UG/KG	754	U	UR	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	Benzaldehyde	UG/KG	828	U	UR	LCS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Benzaldehyde	UG/KG	767	U	UR	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Benzaldehyde	UG/KG	879	U	UR	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Benzaldehyde	UG/KG	813	U	UR	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Benzaldehyde	UG/KG	791	U	UR	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Benzaldehyde	UG/KG	733	U	UR	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Benzaldehyde	UG/KG	786	U	UR	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-22-4-5	92180392026	EPA 8270	Benzaldehyde	UG/KG	770	U	UR	LCS-L, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Benzaldehyde	UG/KG	789	U	UR	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Benzaldehyde	UG/KG	834	U	UR	LCS-L, SS-L
92180392	SB-504	92180392004	EPA 8270	Benzaldehyde	UG/KG	844	U	UR	LCS-L, SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Biphenyl	UG/KG	414	U	UJ	LCS-L, SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Biphenyl	UG/KG	369	U	UJ	LCS-L, SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Biphenyl	UG/KG	361	U	UJ	LCS-L, SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Biphenyl	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Biphenyl	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Biphenyl	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Biphenyl	UG/KG	413	U	UJ	LCS-L, SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Biphenyl	UG/KG	380	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Biphenyl	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Biphenyl	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Biphenyl	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Biphenyl	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Biphenyl	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Biphenyl	UG/KG	402	U	UJ	LCS-L, SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Biphenyl	UG/KG	387	U	UJ	LCS-L, SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Biphenyl	UG/KG	382	U	UJ	LCS-L, SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Biphenyl	UG/KG	413	U	UJ	LCS-L, SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Biphenyl	UG/KG	379	U	UJ	LCS-L, SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Biphenyl	UG/KG	402	U	UJ	LCS-L, SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	Biphenyl	UG/KG	3,770	U	UJ	LCS-L, IS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Biphenyl	UG/KG	375	U	UJ	LCS-L, SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Biphenyl	UG/KG	426	U	UJ	LCS-L, SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Biphenyl	UG/KG	382	U	UJ	LCS-L, SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Biphenyl	UG/KG	404	U	UJ	LCS-L, SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Biphenyl	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Biphenyl	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Biphenyl	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Biphenyl	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Biphenyl	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Biphenyl	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	Biphenyl	UG/KG	2,880		J	LCS-L, IS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Biphenyl	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Biphenyl	UG/KG	439	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-208-4-5	92180392032	EPA 8270	Biphenyl	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Biphenyl	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Biphenyl	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Biphenyl	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Biphenyl	UG/KG	385	U	UJ	LCS-L, LCS-RPD, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Biphenyl	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Biphenyl	UG/KG	417	U	UJ	LCS-L, SS-L
92180392	SB-504	92180392004	EPA 8270	Biphenyl	UG/KG	422	U	UJ	LCS-L, SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	414	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	369	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	361	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	413	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	390	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	397	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	402	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	387	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	382	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	413	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	379	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	402	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	375	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	404	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	377	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-205-6-7	92180392042	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	385	U	UJ	LCS-L, LCS-RPD, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	417	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	Bis(2-Chloroethoxy)methane	UG/KG	422	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	414	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	369	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	361	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	413	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	390	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	397	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	402	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	387	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	382	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	413	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	379	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	402	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	375	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	404	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	397	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-204-9-10	92180392039	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	385	U	UJ	LCS-L, LCS-RPD, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	417	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	Bis(2-Chloroethyl)ether	UG/KG	422	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	414	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	369	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	361	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	397	U	UJ	SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	408	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	397	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	413	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	390	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	421	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	370	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	397	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	402	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	387	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	382	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	413	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	379	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	402	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	375	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	404	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	390	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	366	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-204-11-12	92180392040	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	397	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	377	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	383	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	439	U	UJ	SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	407	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	395	U	UJ	MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	366	U	UJ	SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	393	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	385	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	395	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	417	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	Bis(2-Chloroisopropyl)ether	UG/KG	422	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	414	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	369	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	361	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	413	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	390	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	397	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	402	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	387	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	382	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	379	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	402	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	375	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	404	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	19,400	U	UJ	LCS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-204-0-1	92180392038	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	414	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	385	U	UJ	LCS-L, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	417	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	Bis(2-Ethylhexyl)phthalate	UG/KG	422	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Butylbenzylphthalate	UG/KG	414	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Butylbenzylphthalate	UG/KG	369	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Butylbenzylphthalate	UG/KG	361	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Butylbenzylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Butylbenzylphthalate	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Butylbenzylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Butylbenzylphthalate	UG/KG	413	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Butylbenzylphthalate	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Butylbenzylphthalate	UG/KG	390	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Butylbenzylphthalate	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Butylbenzylphthalate	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Butylbenzylphthalate	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Butylbenzylphthalate	UG/KG	397	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Butylbenzylphthalate	UG/KG	402	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Butylbenzylphthalate	UG/KG	387	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Butylbenzylphthalate	UG/KG	382	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Butylbenzylphthalate	UG/KG	379	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Butylbenzylphthalate	UG/KG	402	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Butylbenzylphthalate	UG/KG	375	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Butylbenzylphthalate	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Butylbenzylphthalate	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Butylbenzylphthalate	UG/KG	404	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-20-14-15	92180392025	EPA 8270	Butylbenzylphthalate	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Butylbenzylphthalate	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Butylbenzylphthalate	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Butylbenzylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Butylbenzylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Butylbenzylphthalate	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	Butylbenzylphthalate	UG/KG	414	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Butylbenzylphthalate	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Butylbenzylphthalate	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Butylbenzylphthalate	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Butylbenzylphthalate	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Butylbenzylphthalate	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Butylbenzylphthalate	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Butylbenzylphthalate	UG/KG	385	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Butylbenzylphthalate	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Butylbenzylphthalate	UG/KG	417	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	Butylbenzylphthalate	UG/KG	422	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Caprolactam	UG/KG	397	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Caprolactam	UG/KG	380	U	UJ	MS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Caprolactam	UG/KG	390	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Caprolactam	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Caprolactam	UG/KG	370	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Caprolactam	UG/KG	382	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Caprolactam	UG/KG	413	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Caprolactam	UG/KG	379	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Caprolactam	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Caprolactam	UG/KG	382	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Caprolactam	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Caprolactam	UG/KG	377	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Caprolactam	UG/KG	395	U	UJ	MS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Caprolactam	UG/KG	385	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Carbazole	UG/KG	397	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Carbazole	UG/KG	380	U	UJ	MS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Carbazole	UG/KG	390	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Carbazole	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Carbazole	UG/KG	370	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Carbazole	UG/KG	382	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-14-3-4	92180392017	EPA 8270	Carbazole	UG/KG	413	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Carbazole	UG/KG	379	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Carbazole	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Carbazole	UG/KG	382	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Carbazole	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Carbazole	UG/KG	377	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Carbazole	UG/KG	395	U	UJ	MS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Carbazole	UG/KG	385	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Dibenzofuran	UG/KG	414	U	UJ	LCS-L, SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Dibenzofuran	UG/KG	369	U	UJ	LCS-L, SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Dibenzofuran	UG/KG	361	U	UJ	LCS-L, SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Dibenzofuran	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Dibenzofuran	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Dibenzofuran	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Dibenzofuran	UG/KG	413	U	UJ	LCS-L, SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Dibenzofuran	UG/KG	380	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Dibenzofuran	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Dibenzofuran	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Dibenzofuran	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Dibenzofuran	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Dibenzofuran	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Dibenzofuran	UG/KG	402	U	UJ	LCS-L, SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Dibenzofuran	UG/KG	387	U	UJ	LCS-L, SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Dibenzofuran	UG/KG	382	U	UJ	LCS-L, SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Dibenzofuran	UG/KG	413	U	UJ	LCS-L, SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Dibenzofuran	UG/KG	379	U	UJ	LCS-L, SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Dibenzofuran	UG/KG	402	U	UJ	LCS-L, SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	Dibenzofuran	UG/KG	3,770	U	UJ	LCS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Dibenzofuran	UG/KG	375	U	UJ	LCS-L, SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Dibenzofuran	UG/KG	426	U	UJ	LCS-L, SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Dibenzofuran	UG/KG	382	U	UJ	LCS-L, SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Dibenzofuran	UG/KG	404	U	UJ	LCS-L, SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Dibenzofuran	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Dibenzofuran	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Dibenzofuran	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Dibenzofuran	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Dibenzofuran	UG/KG	397	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-205-0-1	92180392041	EPA 8270	Dibenzofuran	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	Dibenzofuran	UG/KG	414	U	UJ	LCS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Dibenzofuran	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Dibenzofuran	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Dibenzofuran	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Dibenzofuran	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Dibenzofuran	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Dibenzofuran	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Dibenzofuran	UG/KG	385	U	UJ	LCS-L, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Dibenzofuran	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Dibenzofuran	UG/KG	417	U	UJ	LCS-L, SS-L
92180392	SB-504	92180392004	EPA 8270	Dibenzofuran	UG/KG	422	U	UJ	LCS-L, SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Diethylphthalate	UG/KG	414	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Diethylphthalate	UG/KG	369	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Diethylphthalate	UG/KG	361	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Diethylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Diethylphthalate	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Diethylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Diethylphthalate	UG/KG	413	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Diethylphthalate	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Diethylphthalate	UG/KG	390	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Diethylphthalate	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Diethylphthalate	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Diethylphthalate	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Diethylphthalate	UG/KG	397	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Diethylphthalate	UG/KG	402	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Diethylphthalate	UG/KG	387	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Diethylphthalate	UG/KG	382	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Diethylphthalate	UG/KG	413	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Diethylphthalate	UG/KG	379	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Diethylphthalate	UG/KG	402	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Diethylphthalate	UG/KG	375	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Diethylphthalate	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Diethylphthalate	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Diethylphthalate	UG/KG	404	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Diethylphthalate	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Diethylphthalate	UG/KG	19,400	U	UJ	LCS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-204-0-1	92180392038	EPA 8270	Diethylphthalate	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Diethylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Diethylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Diethylphthalate	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	Diethylphthalate	UG/KG	414	U	UJ	LCS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Diethylphthalate	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Diethylphthalate	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Diethylphthalate	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Diethylphthalate	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Diethylphthalate	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Diethylphthalate	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Diethylphthalate	UG/KG	385	U	UJ	LCS-L, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Diethylphthalate	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Diethylphthalate	UG/KG	417	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	Diethylphthalate	UG/KG	422	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Dimethylphthalate	UG/KG	414	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Dimethylphthalate	UG/KG	369	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Dimethylphthalate	UG/KG	361	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Dimethylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Dimethylphthalate	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Dimethylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Dimethylphthalate	UG/KG	413	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Dimethylphthalate	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Dimethylphthalate	UG/KG	390	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Dimethylphthalate	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Dimethylphthalate	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Dimethylphthalate	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Dimethylphthalate	UG/KG	397	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Dimethylphthalate	UG/KG	402	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Dimethylphthalate	UG/KG	387	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Dimethylphthalate	UG/KG	382	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Dimethylphthalate	UG/KG	379	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Dimethylphthalate	UG/KG	402	U	UJ	SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	Dimethylphthalate	UG/KG	3,770	U	UJ	IS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Dimethylphthalate	UG/KG	375	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Dimethylphthalate	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Dimethylphthalate	UG/KG	382	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-16-7-8	92180392009	EPA 8270	Dimethylphthalate	UG/KG	404	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Dimethylphthalate	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Dimethylphthalate	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Dimethylphthalate	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Dimethylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Dimethylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Dimethylphthalate	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	Dimethylphthalate	UG/KG	414	U	UJ	LCS-L, SS-L, IS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Dimethylphthalate	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Dimethylphthalate	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Dimethylphthalate	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Dimethylphthalate	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Dimethylphthalate	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Dimethylphthalate	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Dimethylphthalate	UG/KG	385	U	UJ	LCS-L, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Dimethylphthalate	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Dimethylphthalate	UG/KG	417	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	Dimethylphthalate	UG/KG	422	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Di-n-butylphthalate	UG/KG	414	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Di-n-butylphthalate	UG/KG	369	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Di-n-butylphthalate	UG/KG	361	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Di-n-butylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Di-n-butylphthalate	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Di-n-butylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Di-n-butylphthalate	UG/KG	413	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Di-n-butylphthalate	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Di-n-butylphthalate	UG/KG	390	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Di-n-butylphthalate	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Di-n-butylphthalate	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Di-n-butylphthalate	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Di-n-butylphthalate	UG/KG	397	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Di-n-butylphthalate	UG/KG	402	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Di-n-butylphthalate	UG/KG	387	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Di-n-butylphthalate	UG/KG	382	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Di-n-butylphthalate	UG/KG	413	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Di-n-butylphthalate	UG/KG	379	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Di-n-butylphthalate	UG/KG	402	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-15-7-8	92180392015	EPA 8270	Di-n-butylphthalate	UG/KG	375	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Di-n-butylphthalate	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Di-n-butylphthalate	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Di-n-butylphthalate	UG/KG	404	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Di-n-butylphthalate	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Di-n-butylphthalate	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Di-n-butylphthalate	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Di-n-butylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Di-n-butylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Di-n-butylphthalate	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Di-n-butylphthalate	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Di-n-butylphthalate	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Di-n-butylphthalate	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Di-n-butylphthalate	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Di-n-butylphthalate	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Di-n-butylphthalate	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Di-n-butylphthalate	UG/KG	385	U	UJ	LCS-L, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Di-n-butylphthalate	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Di-n-butylphthalate	UG/KG	417	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	Di-n-butylphthalate	UG/KG	422	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Di-n-octylphthalate	UG/KG	414	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Di-n-octylphthalate	UG/KG	369	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Di-n-octylphthalate	UG/KG	361	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Di-n-octylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Di-n-octylphthalate	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Di-n-octylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Di-n-octylphthalate	UG/KG	413	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Di-n-octylphthalate	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Di-n-octylphthalate	UG/KG	390	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Di-n-octylphthalate	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Di-n-octylphthalate	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Di-n-octylphthalate	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Di-n-octylphthalate	UG/KG	397	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Di-n-octylphthalate	UG/KG	402	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Di-n-octylphthalate	UG/KG	387	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Di-n-octylphthalate	UG/KG	382	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Di-n-octylphthalate	UG/KG	379	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-15-11-12	92180392016	EPA 8270	Di-n-octylphthalate	UG/KG	402	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Di-n-octylphthalate	UG/KG	375	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Di-n-octylphthalate	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Di-n-octylphthalate	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Di-n-octylphthalate	UG/KG	404	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Di-n-octylphthalate	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Di-n-octylphthalate	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Di-n-octylphthalate	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Di-n-octylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Di-n-octylphthalate	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Di-n-octylphthalate	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	Di-n-octylphthalate	UG/KG	414	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Di-n-octylphthalate	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Di-n-octylphthalate	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Di-n-octylphthalate	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Di-n-octylphthalate	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Di-n-octylphthalate	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Di-n-octylphthalate	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Di-n-octylphthalate	UG/KG	385	U	UJ	LCS-L, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Di-n-octylphthalate	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Di-n-octylphthalate	UG/KG	417	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	Di-n-octylphthalate	UG/KG	422	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Hexachlorobenzene	UG/KG	414	U	UJ	LCS-L, SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Hexachlorobenzene	UG/KG	369	U	UJ	LCS-L, SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Hexachlorobenzene	UG/KG	361	U	UJ	LCS-L, SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Hexachlorobenzene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Hexachlorobenzene	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Hexachlorobenzene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Hexachlorobenzene	UG/KG	413	U	UJ	LCS-L, SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Hexachlorobenzene	UG/KG	380	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Hexachlorobenzene	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Hexachlorobenzene	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Hexachlorobenzene	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Hexachlorobenzene	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Hexachlorobenzene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Hexachlorobenzene	UG/KG	402	U	UJ	LCS-L, SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Hexachlorobenzene	UG/KG	387	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-14-10-11	92180392019	EPA 8270	Hexachlorobenzene	UG/KG	382	U	UJ	LCS-L, SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Hexachlorobenzene	UG/KG	413	U	UJ	LCS-L, SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Hexachlorobenzene	UG/KG	379	U	UJ	LCS-L, SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Hexachlorobenzene	UG/KG	402	U	UJ	LCS-L, SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	Hexachlorobenzene	UG/KG	3,770	U	UJ	LCS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Hexachlorobenzene	UG/KG	375	U	UJ	LCS-L, SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Hexachlorobenzene	UG/KG	426	U	UJ	LCS-L, SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Hexachlorobenzene	UG/KG	382	U	UJ	LCS-L, SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Hexachlorobenzene	UG/KG	404	U	UJ	LCS-L, SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Hexachlorobenzene	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Hexachlorobenzene	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Hexachlorobenzene	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Hexachlorobenzene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Hexachlorobenzene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Hexachlorobenzene	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	Hexachlorobenzene	UG/KG	414	U	UJ	LCS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Hexachlorobenzene	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Hexachlorobenzene	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Hexachlorobenzene	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Hexachlorobenzene	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Hexachlorobenzene	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Hexachlorobenzene	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Hexachlorobenzene	UG/KG	385	U	UJ	LCS-L, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Hexachlorobenzene	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Hexachlorobenzene	UG/KG	417	U	UJ	LCS-L, SS-L
92180392	SB-504	92180392004	EPA 8270	Hexachlorobenzene	UG/KG	422	U	UJ	LCS-L, SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Hexachlorobutadiene	UG/KG	414	U	UJ	LCS-L, SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Hexachlorobutadiene	UG/KG	369	U	UJ	LCS-L, SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Hexachlorobutadiene	UG/KG	361	U	UJ	LCS-L, SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Hexachlorobutadiene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Hexachlorobutadiene	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Hexachlorobutadiene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Hexachlorobutadiene	UG/KG	413	U	UJ	LCS-L, SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Hexachlorobutadiene	UG/KG	380	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Hexachlorobutadiene	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Hexachlorobutadiene	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Hexachlorobutadiene	UG/KG	367	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-12-9-10	92180392036	EPA 8270	Hexachlorobutadiene	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Hexachlorobutadiene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Hexachlorobutadiene	UG/KG	402	U	UJ	LCS-L, SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Hexachlorobutadiene	UG/KG	387	U	UJ	LCS-L, SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Hexachlorobutadiene	UG/KG	382	U	UJ	LCS-L, SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Hexachlorobutadiene	UG/KG	413	U	UJ	LCS-L, SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Hexachlorobutadiene	UG/KG	379	U	UJ	LCS-L, SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Hexachlorobutadiene	UG/KG	402	U	UJ	LCS-L, SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	Hexachlorobutadiene	UG/KG	3,770	U	UJ	LCS-L, IS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Hexachlorobutadiene	UG/KG	375	U	UJ	LCS-L, SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Hexachlorobutadiene	UG/KG	426	U	UJ	LCS-L, SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Hexachlorobutadiene	UG/KG	382	U	UJ	LCS-L, SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Hexachlorobutadiene	UG/KG	404	U	UJ	LCS-L, SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Hexachlorobutadiene	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Hexachlorobutadiene	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Hexachlorobutadiene	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Hexachlorobutadiene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Hexachlorobutadiene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Hexachlorobutadiene	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	Hexachlorobutadiene	UG/KG	414	U	UJ	LCS-L, IS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Hexachlorobutadiene	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Hexachlorobutadiene	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Hexachlorobutadiene	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Hexachlorobutadiene	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Hexachlorobutadiene	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Hexachlorobutadiene	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Hexachlorobutadiene	UG/KG	385	U	UJ	LCS-RPD, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Hexachlorobutadiene	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Hexachlorobutadiene	UG/KG	417	U	UJ	LCS-L, SS-L
92180392	SB-504	92180392004	EPA 8270	Hexachlorobutadiene	UG/KG	422	U	UJ	LCS-L, SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Hexachlorocyclopentadiene	UG/KG	414	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Hexachlorocyclopentadiene	UG/KG	369	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Hexachlorocyclopentadiene	UG/KG	361	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Hexachlorocyclopentadiene	UG/KG	397	U	UJ	SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Hexachlorocyclopentadiene	UG/KG	408	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Hexachlorocyclopentadiene	UG/KG	397	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Hexachlorocyclopentadiene	UG/KG	413	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-11-3-5	92180392020	EPA 8270	Hexachlorocyclopentadiene	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Hexachlorocyclopentadiene	UG/KG	390	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Hexachlorocyclopentadiene	UG/KG	421	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Hexachlorocyclopentadiene	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Hexachlorocyclopentadiene	UG/KG	370	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Hexachlorocyclopentadiene	UG/KG	397	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Hexachlorocyclopentadiene	UG/KG	402	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Hexachlorocyclopentadiene	UG/KG	387	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Hexachlorocyclopentadiene	UG/KG	382	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Hexachlorocyclopentadiene	UG/KG	413	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Hexachlorocyclopentadiene	UG/KG	379	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Hexachlorocyclopentadiene	UG/KG	402	U	UJ	SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	Hexachlorocyclopentadiene	UG/KG	3,770	U	UJ	IS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Hexachlorocyclopentadiene	UG/KG	375	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Hexachlorocyclopentadiene	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Hexachlorocyclopentadiene	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Hexachlorocyclopentadiene	UG/KG	404	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Hexachlorocyclopentadiene	UG/KG	390	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Hexachlorocyclopentadiene	UG/KG	366	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Hexachlorocyclopentadiene	UG/KG	397	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Hexachlorocyclopentadiene	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Hexachlorocyclopentadiene	UG/KG	377	U	UJ	SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	Hexachlorocyclopentadiene	UG/KG	414	U	UJ	LCS-L, IS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Hexachlorocyclopentadiene	UG/KG	383	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Hexachlorocyclopentadiene	UG/KG	439	U	UJ	SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Hexachlorocyclopentadiene	UG/KG	407	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Hexachlorocyclopentadiene	UG/KG	395	U	UJ	MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Hexachlorocyclopentadiene	UG/KG	366	U	UJ	SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Hexachlorocyclopentadiene	UG/KG	393	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Hexachlorocyclopentadiene	UG/KG	385	U	UJ	LCS-L, LCS-RPD, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Hexachlorocyclopentadiene	UG/KG	395	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270	Hexachlorocyclopentadiene	UG/KG	417	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	Hexachlorocyclopentadiene	UG/KG	422	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Hexachloroethane	UG/KG	414	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Hexachloroethane	UG/KG	369	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Hexachloroethane	UG/KG	361	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Hexachloroethane	UG/KG	397	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-07-13-14	92180392031	EPA 8270	Hexachloroethane	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Hexachloroethane	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Hexachloroethane	UG/KG	413	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Hexachloroethane	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Hexachloroethane	UG/KG	390	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Hexachloroethane	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Hexachloroethane	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Hexachloroethane	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Hexachloroethane	UG/KG	397	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Hexachloroethane	UG/KG	402	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Hexachloroethane	UG/KG	387	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Hexachloroethane	UG/KG	382	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Hexachloroethane	UG/KG	413	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Hexachloroethane	UG/KG	379	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Hexachloroethane	UG/KG	402	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Hexachloroethane	UG/KG	375	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Hexachloroethane	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Hexachloroethane	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Hexachloroethane	UG/KG	404	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Hexachloroethane	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Hexachloroethane	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Hexachloroethane	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Hexachloroethane	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Hexachloroethane	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Hexachloroethane	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	Hexachloroethane	UG/KG	414	U	UJ	LCS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Hexachloroethane	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Hexachloroethane	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Hexachloroethane	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Hexachloroethane	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Hexachloroethane	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Hexachloroethane	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Hexachloroethane	UG/KG	385	U	UJ	LCS-L, LCS-RPD, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Hexachloroethane	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Hexachloroethane	UG/KG	417	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	Hexachloroethane	UG/KG	422	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Isophorone	UG/KG	414	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-01-4-5	92180392011	EPA 8270	Isophorone	UG/KG	369	U	UJ	LCS-L, SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Isophorone	UG/KG	361	U	UJ	LCS-L, SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Isophorone	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Isophorone	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Isophorone	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Isophorone	UG/KG	413	U	UJ	LCS-L, SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Isophorone	UG/KG	380	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Isophorone	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Isophorone	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Isophorone	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Isophorone	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Isophorone	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Isophorone	UG/KG	402	U	UJ	LCS-L, SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Isophorone	UG/KG	387	U	UJ	LCS-L, SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Isophorone	UG/KG	382	U	UJ	LCS-L, SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Isophorone	UG/KG	413	U	UJ	LCS-L, SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Isophorone	UG/KG	379	U	UJ	LCS-L, SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Isophorone	UG/KG	402	U	UJ	LCS-L, SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	Isophorone	UG/KG	3,770	U	UJ	LCS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Isophorone	UG/KG	375	U	UJ	LCS-L, SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Isophorone	UG/KG	426	U	UJ	LCS-L, SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Isophorone	UG/KG	382	U	UJ	LCS-L, SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Isophorone	UG/KG	404	U	UJ	LCS-L, SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Isophorone	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Isophorone	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Isophorone	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Isophorone	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Isophorone	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Isophorone	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	Isophorone	UG/KG	414	U	UJ	LCS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Isophorone	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Isophorone	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Isophorone	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Isophorone	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Isophorone	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Isophorone	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Isophorone	UG/KG	385	U	UJ	LCS-L, LCS-RPD, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-22-9-10	92180392027	EPA 8270	Isophorone	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Isophorone	UG/KG	417	U	UJ	LCS-L, SS-L
92180392	SB-504	92180392004	EPA 8270	Isophorone	UG/KG	422	U	UJ	LCS-L, SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Nitrobenzene	UG/KG	414	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Nitrobenzene	UG/KG	369	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Nitrobenzene	UG/KG	361	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Nitrobenzene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Nitrobenzene	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Nitrobenzene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Nitrobenzene	UG/KG	413	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Nitrobenzene	UG/KG	380	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Nitrobenzene	UG/KG	390	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Nitrobenzene	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Nitrobenzene	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Nitrobenzene	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Nitrobenzene	UG/KG	397	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Nitrobenzene	UG/KG	402	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Nitrobenzene	UG/KG	387	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Nitrobenzene	UG/KG	382	U	UJ	SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Nitrobenzene	UG/KG	413	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Nitrobenzene	UG/KG	379	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Nitrobenzene	UG/KG	402	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Nitrobenzene	UG/KG	375	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Nitrobenzene	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Nitrobenzene	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Nitrobenzene	UG/KG	404	U	UJ	SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Nitrobenzene	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Nitrobenzene	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Nitrobenzene	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Nitrobenzene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Nitrobenzene	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Nitrobenzene	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	Nitrobenzene	UG/KG	414	U	UJ	LCS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Nitrobenzene	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Nitrobenzene	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Nitrobenzene	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Nitrobenzene	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-20-9-10	92180392024	EPA 8270	Nitrobenzene	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Nitrobenzene	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Nitrobenzene	UG/KG	385	U	UJ	LCS-L, LCS-RPD, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Nitrobenzene	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	Nitrobenzene	UG/KG	417	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270	Nitrobenzene	UG/KG	422	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	414	U	UJ	LCS-L, SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	369	U	UJ	LCS-L, SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	361	U	UJ	LCS-L, SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	413	U	UJ	LCS-L, SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	380	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	402	U	UJ	LCS-L, SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	387	U	UJ	LCS-L, SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	382	U	UJ	LCS-L, SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	413	U	UJ	LCS-L, SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	379	U	UJ	LCS-L, SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	402	U	UJ	LCS-L, SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	3,770	U	UJ	LCS-L
92180392	SB-15-7-8	92180392015	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	375	U	UJ	LCS-L, SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	426	U	UJ	LCS-L, SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	382	U	UJ	LCS-L, SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	404	U	UJ	LCS-L, SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	414	U	UJ	LCS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-205-6-7	92180392042	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	385	U	UJ	LCS-L, LCS-RPD, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	417	U	UJ	LCS-L, SS-L
92180392	SB-504	92180392004	EPA 8270	N-Nitrosodi-n-propylamine	UG/KG	422	U	UJ	LCS-L, SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	N-Nitrosodiphenylamine	UG/KG	414	U	UJ	LCS-L, SS-L
92180392	SB-01-4-5	92180392011	EPA 8270	N-Nitrosodiphenylamine	UG/KG	369	U	UJ	LCS-L, SS-L
92180392	SB-01-7-8	92180392012	EPA 8270	N-Nitrosodiphenylamine	UG/KG	361	U	UJ	LCS-L, SS-L
92180392	SB-07-0-1	92180392029	EPA 8270	N-Nitrosodiphenylamine	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	N-Nitrosodiphenylamine	UG/KG	408	U	UJ	LCS-L, SS-L
92180392	SB-07-9-10	92180392030	EPA 8270	N-Nitrosodiphenylamine	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-11-14-15	92180392022	EPA 8270	N-Nitrosodiphenylamine	UG/KG	413	U	UJ	LCS-L, SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	N-Nitrosodiphenylamine	UG/KG	380	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	N-Nitrosodiphenylamine	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	N-Nitrosodiphenylamine	UG/KG	421	U	UJ	LCS-L, SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	N-Nitrosodiphenylamine	UG/KG	367	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	N-Nitrosodiphenylamine	UG/KG	370	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	N-Nitrosodiphenylamine	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	N-Nitrosodiphenylamine	UG/KG	402	U	UJ	LCS-L, SS-L
92180392	SB-13-5-6	92180392006	EPA 8270	N-Nitrosodiphenylamine	UG/KG	387	U	UJ	LCS-L, SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	N-Nitrosodiphenylamine	UG/KG	382	U	UJ	LCS-L, SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	N-Nitrosodiphenylamine	UG/KG	413	U	UJ	LCS-L, SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	N-Nitrosodiphenylamine	UG/KG	379	U	UJ	LCS-L, SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	N-Nitrosodiphenylamine	UG/KG	402	U	UJ	LCS-L, SS-L
92180392	SB-15-4-5	92180392014	EPA 8270	N-Nitrosodiphenylamine	UG/KG	3,770	U	UJ	LCS-L
92180392	SB-15-7-8	92180392015	EPA 8270	N-Nitrosodiphenylamine	UG/KG	375	U	UJ	LCS-L, SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	N-Nitrosodiphenylamine	UG/KG	426	U	UJ	LCS-L, SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	N-Nitrosodiphenylamine	UG/KG	382	U	UJ	LCS-L, SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	N-Nitrosodiphenylamine	UG/KG	404	U	UJ	LCS-L, SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	N-Nitrosodiphenylamine	UG/KG	390	U	UJ	LCS-L, SS-L
92180392	SB-20-3-4	92180392023	EPA 8270	N-Nitrosodiphenylamine	UG/KG	19,400	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	N-Nitrosodiphenylamine	UG/KG	366	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-204-11-12	92180392040	EPA 8270	N-Nitrosodiphenylamine	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	N-Nitrosodiphenylamine	UG/KG	397	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	N-Nitrosodiphenylamine	UG/KG	377	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	N-Nitrosodiphenylamine	UG/KG	414	U	UJ	LCS-L
92180392	SB-205-6-7	92180392042	EPA 8270	N-Nitrosodiphenylamine	UG/KG	383	U	UJ	LCS-L, SS-L
92180392	SB-208-12-13	92180392033	EPA 8270	N-Nitrosodiphenylamine	UG/KG	439	U	UJ	LCS-L, SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	N-Nitrosodiphenylamine	UG/KG	407	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	N-Nitrosodiphenylamine	UG/KG	395	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	N-Nitrosodiphenylamine	UG/KG	366	U	UJ	LCS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270	N-Nitrosodiphenylamine	UG/KG	393	U	UJ	LCS-L, SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	N-Nitrosodiphenylamine	UG/KG	385	U	UJ	LCS-L, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	N-Nitrosodiphenylamine	UG/KG	395	U	UJ	LCS-L, SS-L
92180392	SB-503	92180392003	EPA 8270	N-Nitrosodiphenylamine	UG/KG	417	U	UJ	LCS-L, SS-L
92180392	SB-504	92180392004	EPA 8270	N-Nitrosodiphenylamine	UG/KG	422	U	UJ	LCS-L, SS-L
92180392	SB-01-11-12	92180392013	EPA 8270	Pentachlorophenol	UG/KG	2,070	U	UJ	LCS-L
92180392	SB-01-4-5	92180392011	EPA 8270	Pentachlorophenol	UG/KG	1,840	U	UJ	LCS-L
92180392	SB-01-7-8	92180392012	EPA 8270	Pentachlorophenol	UG/KG	1,800	U	UJ	LCS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Pentachlorophenol	UG/KG	1,980	U	UJ	LCS-L, SS-L
92180392	SB-07-13-14	92180392031	EPA 8270	Pentachlorophenol	UG/KG	2,040	U	UJ	LCS-L
92180392	SB-07-9-10	92180392030	EPA 8270	Pentachlorophenol	UG/KG	1,990	U	UJ	LCS-L
92180392	SB-11-14-15	92180392022	EPA 8270	Pentachlorophenol	UG/KG	2,060	U	UJ	LCS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Pentachlorophenol	UG/KG	1,900	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Pentachlorophenol	UG/KG	1,950	U	UJ	LCS-L, SS-L
92180392	SB-12-14-15	92180392037	EPA 8270	Pentachlorophenol	UG/KG	2,110	U	UJ	LCS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Pentachlorophenol	UG/KG	1,830	U	UJ	LCS-L, SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Pentachlorophenol	UG/KG	1,850	U	UJ	LCS-L, SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Pentachlorophenol	UG/KG	1,990	U	UJ	LCS-L, SS-L
92180392	SB-13-2-3	92180392005	EPA 8270	Pentachlorophenol	UG/KG	2,010	U	UJ	LCS-L
92180392	SB-13-5-6	92180392006	EPA 8270	Pentachlorophenol	UG/KG	1,930	U	UJ	LCS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Pentachlorophenol	UG/KG	1,910	U	UJ	LCS-L, SS-L
92180392	SB-14-3-4	92180392017	EPA 8270	Pentachlorophenol	UG/KG	2,060	U	UJ	LCS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Pentachlorophenol	UG/KG	1,890	U	UJ	LCS-L, SS-L
92180392	SB-15-11-12	92180392016	EPA 8270	Pentachlorophenol	UG/KG	2,010	U	UJ	LCS-L
92180392	SB-15-4-5	92180392014	EPA 8270	Pentachlorophenol	UG/KG	18,900	U	UJ	LCS-L
92180392	SB-15-7-8	92180392015	EPA 8270	Pentachlorophenol	UG/KG	1,880	U	UJ	LCS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Pentachlorophenol	UG/KG	2,130	U	UJ	LCS-L, SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Pentachlorophenol	UG/KG	1,910	U	UJ	LCS-L, SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-16-7-8	92180392009	EPA 8270	Pentachlorophenol	UG/KG	2,020	U	UJ	LCS-L, SS-L
92180392	SB-20-14-15	92180392025	EPA 8270	Pentachlorophenol	UG/KG	1,950	U	UJ	LCS-L
92180392	SB-20-3-4	92180392023	EPA 8270	Pentachlorophenol	UG/KG	97,000	U	UJ	LCS-L
92180392	SB-204-0-1	92180392038	EPA 8270	Pentachlorophenol	UG/KG	1,830	U	UJ	LCS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Pentachlorophenol	UG/KG	1,980	U	UJ	LCS-L, SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Pentachlorophenol	UG/KG	1,990	U	UJ	LCS-L, SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Pentachlorophenol	UG/KG	1,880	U	UJ	LCS-L, SS-L
92180392	SB-205-14-15	92180392043	EPA 8270	Pentachlorophenol	UG/KG	2,070	U	UJ	LCS-L
92180392	SB-205-6-7	92180392042	EPA 8270	Pentachlorophenol	UG/KG	1,920	U	UJ	LCS-L
92180392	SB-208-12-13	92180392033	EPA 8270	Pentachlorophenol	UG/KG	2,200	U	UJ	LCS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Pentachlorophenol	UG/KG	2,030	U	UJ	LCS-L, SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Pentachlorophenol	UG/KG	1,980	U	UJ	LCS-L, MS-L, SS-L
92180392	SB-20-9-10	92180392024	EPA 8270	Pentachlorophenol	UG/KG	1,830	U	UJ	LCS-L
92180392	SB-22-12-13	92180392028	EPA 8270	Pentachlorophenol	UG/KG	1,960	U	UJ	LCS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Pentachlorophenol	UG/KG	1,920	U	UJ	LCS-L, SS-L
92180392	SB-22-9-10	92180392027	EPA 8270	Pentachlorophenol	UG/KG	1,970	U	UJ	LCS-L
92180392	SB-503	92180392003	EPA 8270	Pentachlorophenol	UG/KG	2,090	U	UJ	LCS-L
92180392	SB-504	92180392004	EPA 8270	Pentachlorophenol	UG/KG	2,110	U	UJ	LCS-L
92180392	SB-07-0-1	92180392029	EPA 8270	Phenol	UG/KG	397	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270	Phenol	UG/KG	380	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270	Phenol	UG/KG	390	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270	Phenol	UG/KG	367	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270	Phenol	UG/KG	370	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270	Phenol	UG/KG	397	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270	Phenol	UG/KG	382	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270	Phenol	UG/KG	379	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270	Phenol	UG/KG	426	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270	Phenol	UG/KG	382	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270	Phenol	UG/KG	404	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270	Phenol	UG/KG	397	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270	Phenol	UG/KG	397	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270	Phenol	UG/KG	377	U	UJ	SS-L
92180392	SB-208-4-5	92180392032	EPA 8270	Phenol	UG/KG	407	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270	Phenol	UG/KG	395	U	UJ	SS-L
92180392	SB-22-4-5	92180392026	EPA 8270	Phenol	UG/KG	385	U	UJ	LCS-L, LCS-RPD, SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	2	J	J	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
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SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-18-10-12	92179407020	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12.7	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.8	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	10.6	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.6	U	UJ	MS-L, SS-L
92179407	SB-207-3-4	92179407008	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.3	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12.3	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.2	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12.5	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	2.5	J	J	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12.7	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.8	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	10.6	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.6	U	UJ	MS-L, SS-L
92179407	SB-207-3-4	92179407008	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	1.9	J	J	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12.3	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.2	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12.5	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	Acenaphthene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	Acenaphthene	UG/KG	11	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270 SIM	Acenaphthene	UG/KG	12.7	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270 SIM	Acenaphthene	UG/KG	11.8	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	Acenaphthene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270 SIM	Acenaphthene	UG/KG	10.6	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	Acenaphthene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270 SIM	Acenaphthene	UG/KG	11.3	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270 SIM	Acenaphthene	UG/KG	12.3	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270 SIM	Acenaphthene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270 SIM	Acenaphthene	UG/KG	11.2	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	Acenaphthene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	Acenaphthene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270 SIM	Acenaphthene	UG/KG	12.5	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	Acenaphthylene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	Acenaphthylene	UG/KG	11	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270 SIM	Acenaphthylene	UG/KG	12.7	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270 SIM	Acenaphthylene	UG/KG	11.8	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	Acenaphthylene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270 SIM	Acenaphthylene	UG/KG	10.6	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	Acenaphthylene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270 SIM	Acenaphthylene	UG/KG	11.3	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270 SIM	Acenaphthylene	UG/KG	12.3	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270 SIM	Acenaphthylene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270 SIM	Acenaphthylene	UG/KG	11.2	U	UJ	SS-L
92179407	SB-25-13-14	92179407023	EPA 8270 SIM	Acenaphthylene	UG/KG	13.1	U	UJ	MS-L
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	Acenaphthylene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	Acenaphthylene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270 SIM	Acenaphthylene	UG/KG	12.5	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-25-13-14	92179407023	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	13.1	U	UJ	MS-L
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.5	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.6	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	13.1	U	UJ	MS-L
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	Chrysene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	Chrysene	UG/KG	11	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	Chrysene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	Chrysene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	Chrysene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	Chrysene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	Fluoranthene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	Fluoranthene	UG/KG	11	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270 SIM	Fluoranthene	UG/KG	12.7	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270 SIM	Fluoranthene	UG/KG	11.8	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	Fluoranthene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270 SIM	Fluoranthene	UG/KG	10.6	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	Fluoranthene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270 SIM	Fluoranthene	UG/KG	11.3	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270 SIM	Fluoranthene	UG/KG	12.3	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270 SIM	Fluoranthene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270 SIM	Fluoranthene	UG/KG	11.2	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	Fluoranthene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	Fluoranthene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270 SIM	Fluoranthene	UG/KG	12.5	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	Fluorene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	Fluorene	UG/KG	11	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270 SIM	Fluorene	UG/KG	12.7	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270 SIM	Fluorene	UG/KG	11.8	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	Fluorene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270 SIM	Fluorene	UG/KG	10.6	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	Fluorene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270 SIM	Fluorene	UG/KG	11.3	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270 SIM	Fluorene	UG/KG	12.3	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270 SIM	Fluorene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270 SIM	Fluorene	UG/KG	11.2	U	UJ	SS-L
92179407	SB-25-13-14	92179407023	EPA 8270 SIM	Fluorene	UG/KG	13.1	U	UJ	MS-RPD
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	Fluorene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	Fluorene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270 SIM	Fluorene	UG/KG	12.5	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	Naphthalene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	Naphthalene	UG/KG	11	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270 SIM	Naphthalene	UG/KG	12.7	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270 SIM	Naphthalene	UG/KG	11.8	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	Naphthalene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270 SIM	Naphthalene	UG/KG	10.6	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	Naphthalene	UG/KG	11.6	U	UJ	MS-L, SS-L
92179407	SB-207-3-4	92179407008	EPA 8270 SIM	Naphthalene	UG/KG	11.3	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270 SIM	Naphthalene	UG/KG	12.3	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270 SIM	Naphthalene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270 SIM	Naphthalene	UG/KG	11.2	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	Naphthalene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	Naphthalene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270 SIM	Naphthalene	UG/KG	12.5	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	Phenanthrene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	Phenanthrene	UG/KG	11	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270 SIM	Phenanthrene	UG/KG	12.7	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270 SIM	Phenanthrene	UG/KG	11.8	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	Phenanthrene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270 SIM	Phenanthrene	UG/KG	10.6	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	Phenanthrene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270 SIM	Phenanthrene	UG/KG	11.3	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270 SIM	Phenanthrene	UG/KG	12.3	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270 SIM	Phenanthrene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270 SIM	Phenanthrene	UG/KG	11.2	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	Phenanthrene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	Phenanthrene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270 SIM	Phenanthrene	UG/KG	12.5	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	24.6		J	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.9	U	UJ	SS-L, MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	25.1		J	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.6		J	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	1.7	J	J	SS-L, MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12		J	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270 SIM	Acenaphthene	UG/KG	11.5	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	Acenaphthene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	Acenaphthene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	Acenaphthene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	Acenaphthene	UG/KG	11.9	U	UJ	SS-L, MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	Acenaphthene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270 SIM	Acenaphthene	UG/KG	10.9	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-23-9-10	92180022013	EPA 8270 SIM	Acenaphthene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270 SIM	Acenaphthene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	Acenaphthene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	Acenaphthene	UG/KG	11.4	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270 SIM	Acenaphthylene	UG/KG	11.5	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	Acenaphthylene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	Acenaphthylene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	Acenaphthylene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	Acenaphthylene	UG/KG	11.9	U	UJ	SS-L, MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	Acenaphthylene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270 SIM	Acenaphthylene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270 SIM	Acenaphthylene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270 SIM	Acenaphthylene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	Acenaphthylene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	Acenaphthylene	UG/KG	11.4	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.9	U	UJ	MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	5	J	J	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.4	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.9	U	UJ	MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	4.9	J	J	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.4	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.9	U	UJ	MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	4.4	J	J	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.4	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.2	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.9	U	UJ	MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	4	J	J	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.4	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	Chrysene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	Chrysene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	Chrysene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	Chrysene	UG/KG	11.9	U	UJ	MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	Chrysene	UG/KG	5.3	J	J	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	Chrysene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	Chrysene	UG/KG	11.4	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.9	U	UJ	MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.4	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270 SIM	Fluoranthene	UG/KG	11.5	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	Fluoranthene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	Fluoranthene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	Fluoranthene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	Fluoranthene	UG/KG	11.9	U	UJ	SS-L, MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	Fluoranthene	UG/KG	11	J	J	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270 SIM	Fluoranthene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270 SIM	Fluoranthene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270 SIM	Fluoranthene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	Fluoranthene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	Fluoranthene	UG/KG	11.4	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270 SIM	Fluorene	UG/KG	11.5	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	Fluorene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	Fluorene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	Fluorene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	Fluorene	UG/KG	11.9	U	UJ	SS-L, MS-L, MS-RPD
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	Fluorene	UG/KG	12.1	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-23-14-15	92180022014	EPA 8270 SIM	Fluorene	UG/KG	1.9	J	J	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270 SIM	Fluorene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270 SIM	Fluorene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	Fluorene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	Fluorene	UG/KG	11.4	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.9	U	UJ	MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.4	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270 SIM	Naphthalene	UG/KG	11.5	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	Naphthalene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	Naphthalene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	Naphthalene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	Naphthalene	UG/KG	11.9	U	UJ	SS-L, MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	Naphthalene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270 SIM	Naphthalene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270 SIM	Naphthalene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270 SIM	Naphthalene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	Naphthalene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	Naphthalene	UG/KG	11.4	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270 SIM	Phenanthrene	UG/KG	83.8		J	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	Phenanthrene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	Phenanthrene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	Phenanthrene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	Phenanthrene	UG/KG	11.9	U	UJ	SS-L, MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	Phenanthrene	UG/KG	4.2	J	J	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270 SIM	Phenanthrene	UG/KG	26.3		J	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270 SIM	Phenanthrene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270 SIM	Phenanthrene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	Phenanthrene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	Phenanthrene	UG/KG	80.6		J	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	10.9	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.5	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12	U	UJ	MS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12.6	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270 SIM	1-Methylnaphthalene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.5	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.8	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12	U	UJ	MS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12.6	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270 SIM	2-Methylnaphthalene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	Acenaphthene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	Acenaphthene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	Acenaphthene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	Acenaphthene	UG/KG	12	U	UJ	SS-L
92180392	SB-07-13-14	92180392031	EPA 8270 SIM	Acenaphthene	UG/KG	12.4	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	Acenaphthene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	Acenaphthene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	Acenaphthene	UG/KG	11.5	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	Acenaphthene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	Acenaphthene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	Acenaphthene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	Acenaphthene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	Acenaphthene	UG/KG	12	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	Acenaphthene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	Acenaphthene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	Acenaphthene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	Acenaphthene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	Acenaphthene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	Acenaphthene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	Acenaphthene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	Acenaphthene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	Acenaphthene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	Acenaphthene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	Acenaphthene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	Acenaphthene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	Acenaphthene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	Acenaphthene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	Acenaphthene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	Acenaphthene	UG/KG	12	U	UJ	MS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	Acenaphthene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	Acenaphthene	UG/KG	12	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	Acenaphthene	UG/KG	12.6	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270 SIM	Acenaphthene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	Acenaphthylene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	Acenaphthylene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	Acenaphthylene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	Acenaphthylene	UG/KG	12	U	UJ	SS-L
92180392	SB-07-13-14	92180392031	EPA 8270 SIM	Acenaphthylene	UG/KG	12.4	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	Acenaphthylene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	Acenaphthylene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	Acenaphthylene	UG/KG	11.5	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	Acenaphthylene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	Acenaphthylene	UG/KG	3.5	J	J	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	Acenaphthylene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	Acenaphthylene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	Acenaphthylene	UG/KG	12	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	Acenaphthylene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	Acenaphthylene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	Acenaphthylene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	Acenaphthylene	UG/KG	11.5	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
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Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	Acenaphthylene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	Acenaphthylene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	Acenaphthylene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	Acenaphthylene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	Acenaphthylene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	Acenaphthylene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	Acenaphthylene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	Acenaphthylene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	Acenaphthylene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	Acenaphthylene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	Acenaphthylene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	Acenaphthylene	UG/KG	12	U	UJ	MS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	Acenaphthylene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	Acenaphthylene	UG/KG	12	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	Acenaphthylene	UG/KG	12.6	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270 SIM	Acenaphthylene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	0.9	J	J	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.5	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	0.94	J	J	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	12.2	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
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Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	12	U	UJ	SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	0.97	J	J	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	12.6	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270 SIM	Benzo(a)anthracene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.6	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
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Asheville, North Carolina
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SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12.6	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270 SIM	Benzo(a)pyrene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	12	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.5	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	12	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	12	U	UJ	MS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	1.3	J	J	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	12.6	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-504	92180392004	EPA 8270 SIM	Benzo(b)fluoranthene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	12	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.5	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	12	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	12	U	UJ	MS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	2.2	J	J	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	12.6	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270 SIM	Benzo(k)fluoranthene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	Chrysene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	Chrysene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	Chrysene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	Chrysene	UG/KG	12	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	Chrysene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	Chrysene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	Chrysene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	Chrysene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	Chrysene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	Chrysene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	Chrysene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	Chrysene	UG/KG	12	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	Chrysene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	Chrysene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	Chrysene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	Chrysene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	Chrysene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	Chrysene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	Chrysene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	Chrysene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	Chrysene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	Chrysene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	Chrysene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	Chrysene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	Chrysene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	Chrysene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	Chrysene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	Chrysene	UG/KG	12	U	UJ	SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	Chrysene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	Chrysene	UG/KG	12	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	Chrysene	UG/KG	12.6	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270 SIM	Chrysene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.5	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12.8	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12	U	UJ	MS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12.6	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270 SIM	Dibenz(a,h)anthracene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	Fluoranthene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	Fluoranthene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	Fluoranthene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	Fluoranthene	UG/KG	1.1	J	J	SS-L
92180392	SB-07-13-14	92180392031	EPA 8270 SIM	Fluoranthene	UG/KG	12.4	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	Fluoranthene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	Fluoranthene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	Fluoranthene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	Fluoranthene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	Fluoranthene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	Fluoranthene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	Fluoranthene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	Fluoranthene	UG/KG	12	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	Fluoranthene	UG/KG	12.2	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	Fluoranthene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	Fluoranthene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	Fluoranthene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	Fluoranthene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	Fluoranthene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	Fluoranthene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	Fluoranthene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	Fluoranthene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	Fluoranthene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	Fluoranthene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	Fluoranthene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	Fluoranthene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	Fluoranthene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	Fluoranthene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	Fluoranthene	UG/KG	12	U	UJ	SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	Fluoranthene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	Fluoranthene	UG/KG	12	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	Fluoranthene	UG/KG	12.6	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270 SIM	Fluoranthene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	Fluorene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	Fluorene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	Fluorene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	Fluorene	UG/KG	12	U	UJ	SS-L
92180392	SB-07-13-14	92180392031	EPA 8270 SIM	Fluorene	UG/KG	12.4	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	Fluorene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	Fluorene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	Fluorene	UG/KG	11.5	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	Fluorene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	Fluorene	UG/KG	6.3	J	J	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	Fluorene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	Fluorene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	Fluorene	UG/KG	12	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	Fluorene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	Fluorene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	Fluorene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	Fluorene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	Fluorene	UG/KG	12.2	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	Fluorene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	Fluorene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	Fluorene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	Fluorene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	Fluorene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	Fluorene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	Fluorene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	Fluorene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	Fluorene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	Fluorene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	Fluorene	UG/KG	12	U	UJ	MS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	Fluorene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	Fluorene	UG/KG	12	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	Fluorene	UG/KG	12.6	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270 SIM	Fluorene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.1	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12	U	UJ	MS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12.6	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270 SIM	Indeno(1,2,3-cd)pyrene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	Naphthalene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	Naphthalene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	Naphthalene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	Naphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	Naphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	Naphthalene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	Naphthalene	UG/KG	11.5	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	Naphthalene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	Naphthalene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	Naphthalene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	Naphthalene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	Naphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	Naphthalene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	Naphthalene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	Naphthalene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	Naphthalene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	Naphthalene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	Naphthalene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	Naphthalene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	Naphthalene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	Naphthalene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	Naphthalene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	Naphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	Naphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	Naphthalene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	Naphthalene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	Naphthalene	UG/KG	13.3	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	Naphthalene	UG/KG	12	U	UJ	MS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	Naphthalene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	Naphthalene	UG/KG	12	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	Naphthalene	UG/KG	12.6	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270 SIM	Naphthalene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	Phenanthrene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	Phenanthrene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	Phenanthrene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	Phenanthrene	UG/KG	12	U	UJ	SS-L
92180392	SB-07-13-14	92180392031	EPA 8270 SIM	Phenanthrene	UG/KG	12.4	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	Phenanthrene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	Phenanthrene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	Phenanthrene	UG/KG	11.5	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	Phenanthrene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	Phenanthrene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	Phenanthrene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	Phenanthrene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	Phenanthrene	UG/KG	12	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	Phenanthrene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	Phenanthrene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	Phenanthrene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	Phenanthrene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	Phenanthrene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	Phenanthrene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	Phenanthrene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	Phenanthrene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	Phenanthrene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	Phenanthrene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	Phenanthrene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	Phenanthrene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	Phenanthrene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	Phenanthrene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	Phenanthrene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	Phenanthrene	UG/KG	12	U	UJ	MS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	Phenanthrene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	Phenanthrene	UG/KG	12	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	Phenanthrene	UG/KG	12.6	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-504	92180392004	EPA 8270 SIM	Phenanthrene	UG/KG	12.8	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	Anthracene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	Anthracene	UG/KG	11	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270 SIM	Anthracene	UG/KG	12.7	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270 SIM	Anthracene	UG/KG	11.8	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	Anthracene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270 SIM	Anthracene	UG/KG	10.6	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	Anthracene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270 SIM	Anthracene	UG/KG	11.3	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270 SIM	Anthracene	UG/KG	12.3	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270 SIM	Anthracene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270 SIM	Anthracene	UG/KG	11.2	U	UJ	SS-L
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	Anthracene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	Anthracene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270 SIM	Anthracene	UG/KG	12.5	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.6	U	UJ	MS-L, SS-L
92179407	SB-25-13-14	92179407023	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	13.1	U	UJ	MS-L
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-17-13-14	92179407013	EPA 8270 SIM	Pyrene	UG/KG	12.9	U	UJ	SS-L
92179407	SB-17-9-10	92179407012	EPA 8270 SIM	Pyrene	UG/KG	11	U	UJ	SS-L
92179407	SB-18-10-12	92179407020	EPA 8270 SIM	Pyrene	UG/KG	12.7	U	UJ	SS-L
92179407	SB-18-4-5	92179407018	EPA 8270 SIM	Pyrene	UG/KG	11.8	U	UJ	SS-L
92179407	SB-18-5-6	92179407019	EPA 8270 SIM	Pyrene	UG/KG	11.9	U	UJ	SS-L
92179407	SB-19-2-3	92179407015	EPA 8270 SIM	Pyrene	UG/KG	10.6	U	UJ	SS-L
92179407	SB-19-8-10	92179407016	EPA 8270 SIM	Pyrene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-207-3-4	92179407008	EPA 8270 SIM	Pyrene	UG/KG	11.3	U	UJ	SS-L
92179407	SB-207-6-7	92179407009	EPA 8270 SIM	Pyrene	UG/KG	12.3	U	UJ	SS-L
92179407	SB-21-1-2	92179407005	EPA 8270 SIM	Pyrene	UG/KG	11.6	U	UJ	SS-L
92179407	SB-21-9-10	92179407006	EPA 8270 SIM	Pyrene	UG/KG	11.2	U	UJ	SS-L
92179407	SB-25-13-14	92179407023	EPA 8270 SIM	Pyrene	UG/KG	143		J	MS-H
92179407	SB-25-3-4	92179407021	EPA 8270 SIM	Pyrene	UG/KG	11.4	U	UJ	SS-L
92179407	SB-25-9-10	92179407022	EPA 8270 SIM	Pyrene	UG/KG	11.5	U	UJ	SS-L
92179407	SB-501	92179407014	EPA 8270 SIM	Pyrene	UG/KG	12.5	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180022	SB-04-11-12	92180022008	EPA 8270 SIM	Anthracene	UG/KG	11.5	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	Anthracene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	Anthracene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	Anthracene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	Anthracene	UG/KG	11.9	U	UJ	SS-L, MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	Anthracene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270 SIM	Anthracene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270 SIM	Anthracene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270 SIM	Anthracene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	Anthracene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	Anthracene	UG/KG	11.4	U	UJ	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.9	U	UJ	MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.4	U	UJ	SS-L
92180022	SB-04-11-12	92180022008	EPA 8270 SIM	Pyrene	UG/KG	13.9		J	SS-L
92180022	SB-04-3-4	92180022006	EPA 8270 SIM	Pyrene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-04-6-7	92180022007	EPA 8270 SIM	Pyrene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-206-4-5	92180022009	EPA 8270 SIM	Pyrene	UG/KG	13.3	U	UJ	SS-L
92180022	SB-206-8-10	92180022010	EPA 8270 SIM	Pyrene	UG/KG	11.9	U	UJ	SS-L, MS-L
92180022	SB-23-0-1	92180022012	EPA 8270 SIM	Pyrene	UG/KG	9	J	J	SS-L
92180022	SB-23-14-15	92180022014	EPA 8270 SIM	Pyrene	UG/KG	10.9	U	UJ	SS-L
92180022	SB-23-9-10	92180022013	EPA 8270 SIM	Pyrene	UG/KG	12.1	U	UJ	SS-L
92180022	SB-24-3-4	92180022003	EPA 8270 SIM	Pyrene	UG/KG	11.2	U	UJ	SS-L
92180022	SB-24-8-9	92180022004	EPA 8270 SIM	Pyrene	UG/KG	11.3	U	UJ	SS-L
92180022	SB-502	92180022002	EPA 8270 SIM	Pyrene	UG/KG	11.9		J	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	Anthracene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	Anthracene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	Anthracene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	Anthracene	UG/KG	12	U	UJ	SS-L
92180392	SB-07-13-14	92180392031	EPA 8270 SIM	Anthracene	UG/KG	12.4	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	Anthracene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	Anthracene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	Anthracene	UG/KG	11.5	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	Anthracene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	Anthracene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	Anthracene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	Anthracene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	Anthracene	UG/KG	12	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	Anthracene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	Anthracene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	Anthracene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	Anthracene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	Anthracene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	Anthracene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	Anthracene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	Anthracene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	Anthracene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	Anthracene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	Anthracene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	Anthracene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	Anthracene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	Anthracene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	Anthracene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	Anthracene	UG/KG	12	U	UJ	MS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	Anthracene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	Anthracene	UG/KG	12	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	Anthracene	UG/KG	12.6	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270 SIM	Anthracene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.5	U	UJ	MS-L, SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12	U	UJ	MS-L, SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12.6	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270 SIM	Benzo(ghi)perylene	UG/KG	12.8	U	UJ	SS-L
92180392	SB-01-11-12	92180392013	EPA 8270 SIM	Pyrene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-01-4-5	92180392011	EPA 8270 SIM	Pyrene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-01-7-8	92180392012	EPA 8270 SIM	Pyrene	UG/KG	10.9	U	UJ	SS-L
92180392	SB-07-0-1	92180392029	EPA 8270 SIM	Pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-07-13-14	92180392031	EPA 8270 SIM	Pyrene	UG/KG	12.4	U	UJ	SS-L
92180392	SB-07-9-10	92180392030	EPA 8270 SIM	Pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-11-14-15	92180392022	EPA 8270 SIM	Pyrene	UG/KG	12.5	U	UJ	SS-L
92180392	SB-11-3-5	92180392020	EPA 8270 SIM	Pyrene	UG/KG	11.5	U	UJ	SS-L
92180392	SB-11-7-8	92180392021	EPA 8270 SIM	Pyrene	UG/KG	11.8	U	UJ	SS-L
92180392	SB-12-14-15	92180392037	EPA 8270 SIM	Pyrene	UG/KG	13.4		J	SS-L
92180392	SB-12-2-3	92180392035	EPA 8270 SIM	Pyrene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-12-9-10	92180392036	EPA 8270 SIM	Pyrene	UG/KG	11.2	U	UJ	SS-L
92180392	SB-13-10-11	92180392007	EPA 8270 SIM	Pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-13-2-3	92180392005	EPA 8270 SIM	Pyrene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-13-5-6	92180392006	EPA 8270 SIM	Pyrene	UG/KG	11.7	U	UJ	SS-L
92180392	SB-14-10-11	92180392019	EPA 8270 SIM	Pyrene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-14-7-8	92180392018	EPA 8270 SIM	Pyrene	UG/KG	11.5	U	UJ	SS-L

TABLE F.4
Data Validation Report: Summary of Data Qualification Actions
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

SDG	Field Sample ID	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qual*	Final Qual	Val Reason Code
92180392	SB-15-11-12	92180392016	EPA 8270 SIM	Pyrene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-15-7-8	92180392015	EPA 8270 SIM	Pyrene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-16-10-11	92180392010	EPA 8270 SIM	Pyrene	UG/KG	12.9	U	UJ	SS-L
92180392	SB-16-4-5	92180392008	EPA 8270 SIM	Pyrene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-16-7-8	92180392009	EPA 8270 SIM	Pyrene	UG/KG	12.2	U	UJ	SS-L
92180392	SB-204-0-1	92180392038	EPA 8270 SIM	Pyrene	UG/KG	11.1	U	UJ	SS-L
92180392	SB-204-11-12	92180392040	EPA 8270 SIM	Pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-204-9-10	92180392039	EPA 8270 SIM	Pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-205-0-1	92180392041	EPA 8270 SIM	Pyrene	UG/KG	11.4	U	UJ	SS-L
92180392	SB-205-6-7	92180392042	EPA 8270 SIM	Pyrene	UG/KG	11.6	U	UJ	SS-L
92180392	SB-208-12-13	92180392033	EPA 8270 SIM	Pyrene	UG/KG	13.3	U	UJ	SS-L
92180392	SB-208-7-9	92180392034	EPA 8270 SIM	Pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-22-12-13	92180392028	EPA 8270 SIM	Pyrene	UG/KG	11.9	U	UJ	SS-L
92180392	SB-22-9-10	92180392027	EPA 8270 SIM	Pyrene	UG/KG	12	U	UJ	SS-L
92180392	SB-503	92180392003	EPA 8270 SIM	Pyrene	UG/KG	12.6	U	UJ	SS-L
92180392	SB-504	92180392004	EPA 8270 SIM	Pyrene	UG/KG	15.4		J	SS-L

Validation Qualifier Reason Codes:

CCV%D = Continuing calibration percent difference exceeds goal
E = Result exceeds calibration range
FD = Field duplicate limit exceeded
ICVRSD = Initial calibraiton relative standard deviation
IS-L = Internal standard response below limit
LCS-L = Laboratory control standard percent recovery low
LCS-RPD = laboratory control standard relative percent difference limit exceeded
MS-H = matrix spike and/or matrix spike duplicate percent recovery high
MS-L = matrix spike and/or matrix spike duplicate percent recovery low
MS-RPD = matrix spike/matrix spike duplicate relative percent difference limit exceeded
SS-L = Surrogate recovery below limits
SS-H = Surrogate recovery above limits

Prepared By: WCG 3/19/14
Checked By: WDC 3/19/14

Final Qualifiers:

J = estimated concentration
UJ = estimated reporting limit
UR = rejected reporting limit

*Refer to laboratory analytical reports for laboratory qualifiers.

TABLE F.5
Data Validation Report: Summary of Tentatively Identified Compounds
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

Loc ID	Field Sample ID	SDG	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qualifier	Final Qualifier
QC	CTS-STB-02	92179407	92179407002	EPA 8260	2-Methylpentane	UG/KG	10.8	N	NJ
QC	CTS-STB-02	92179407	92179407002	EPA 8260	Hexane, 3-ethyl-	UG/KG	7.3	N	NJ
SB-17	SB-17-0-1	92179407	92179407011	EPA 8260	1,4,5-Trimethylnaphthalene	UG/KG	28.3	N	NJ
SB-17	SB-17-0-1	92179407	92179407011	EPA 8260	1,4,6-Trimethylnaphthalene	UG/KG	58.7	N	NJ
SB-17	SB-17-0-1	92179407	92179407011	EPA 8260	1-Methylnaphthalene	UG/KG	25.1	N	NJ
SB-17	SB-17-0-1	92179407	92179407011	EPA 8260	2,3,5-Trimethylnaphthalene	UG/KG	33.8	N	NJ
SB-17	SB-17-0-1	92179407	92179407011	EPA 8260	2,3,6-Trimethylnaphthalene	UG/KG	38.2	N	NJ
SB-17	SB-17-0-1	92179407	92179407011	EPA 8260	Tridecane	UG/KG	23.3	N	NJ
SB-17	SB-17-0-1	92179407	92179407011	EPA 8260	TIC Alkane(s)	UG/KG	19.1		J
SB-17	SB-17-13-14	92179407	92179407013	EPA 8260	2,6,10-trimethyldodecane	UG/KG	34.3	N	NJ
SB-17	SB-17-13-14	92179407	92179407013	EPA 8260	Dodecane	UG/KG	17.9	N	NJ
SB-17	SB-17-13-14	92179407	92179407013	EPA 8260	Hexadecane, 2,6,10,14-tetramet	UG/KG	31.6	N	NJ
SB-17	SB-17-13-14	92179407	92179407013	EPA 8260	Pentadecane	UG/KG	63.7	N	NJ
SB-17	SB-17-13-14	92179407	92179407013	EPA 8260	Tetradecane	UG/KG	74.7	N	NJ
SB-17	SB-17-13-14	92179407	92179407013	EPA 8260	Tridecane	UG/KG	38.7	N	NJ
SB-17	SB-17-13-14	92179407	92179407013	EPA 8260	TIC Alkane(s)	UG/KG	17.9		J
SB-17	SB-17-13-14	92179407	92179407013	EPA 8260	TIC(s) Unspecified	UG/KG	18.8		J
SB-17	SB-17-9-10	92179407	92179407012	EPA 8260	1-Methylnaphthalene	UG/KG	11.1	N	NJ
SB-17	SB-17-9-10	92179407	92179407012	EPA 8260	Tetradecane	UG/KG	12.9	N	NJ
SB-17	SB-17-9-10	92179407	92179407012	EPA 8260	Tridecane	UG/KG	12.5	N	NJ
SB-17	SB-17-9-10	92179407	92179407012	EPA 8260	TIC Alkane(s)	UG/KG	11.5		J
SB-17	SB-17-9-10	92179407	92179407012	EPA 8260	TIC(s) Unspecified	UG/KG	15.6	N	J
SB-18	SB-18-10-12	92179407	92179407020	EPA 8260	Difluoroethane	UG/KG	17	N	NJ
SB-18	SB-18-4-5	92179407	92179407018	EPA 8260	Pentadecane	UG/KG	5	N	NJ
SB-18	SB-18-4-5	92179407	92179407018	EPA 8260	Tetradecane	UG/KG	5.5	N	NJ
SB-18	SB-18-4-5	92179407	92179407018	EPA 8260	TIC Alkane(s)	UG/KG	6.1		J
SB-18	SB-18-4-5	92179407	92179407018	EPA 8260	TIC(s) Unspecified	UG/KG	5.2	N	J
SB-18	SB-18-5-6	92179407	92179407019	EPA 8260	TIC Alkane(s)	UG/KG	17	N	J
SB-18	SB-18-5-6	92179407	92179407019	EPA 8260	TIC(s) Unspecified	UG/KG	6.9	N	J
SB-19	SB-19-14-15	92179407	92179407017	EPA 8260	1,1,2,3-Tetramethylcyclohexane	UG/KG	51.6	N	NJ
SB-19	SB-19-14-15	92179407	92179407017	EPA 8260	1,1,3-Trimethylcyclohexane	UG/KG	30.9	N	NJ
SB-19	SB-19-14-15	92179407	92179407017	EPA 8260	1-Methyldecahydronaphtha	UG/KG	81.1	N	NJ
SB-19	SB-19-14-15	92179407	92179407017	EPA 8260	NAPHTHALENE, DECAHYDRO-, TRANS-	UG/KG	88.1	N	NJ
SB-19	SB-19-14-15	92179407	92179407017	EPA 8260	trans-Decalin, 2-methyl-	UG/KG	132	N	NJ
SB-19	SB-19-14-15	92179407	92179407017	EPA 8260	Undecane, 2,6-dimethyl	UG/KG	75.4	N	NJ
SB-19	SB-19-14-15	92179407	92179407017	EPA 8260	TIC Alkane(s)	UG/KG	27.4		J
SB-19	SB-19-14-15	92179407	92179407017	EPA 8260	TIC(s) Unspecified	UG/KG	27.1		J
SB-19	SB-19-2-3	92179407	92179407015	EPA 8260	Difluoroethane	UG/KG	21.4	N	NJ
SB-19	SB-19-8-10	92179407	92179407016	EPA 8260	Butyraldehyde	UG/KG	7.5		NJ

TABLE F.5
Data Validation Report: Summary of Tentatively Identified Compounds
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

Loc ID	Field Sample ID	SDG	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qualifier	Final Qualifier
SB-19	SB-19-8-10	92179407	92179407016	EPA 8260	TIC Alkane(s)	UG/KG	5.7		J
SB-19	SB-19-8-10	92179407	92179407016	EPA 8260	TIC(s) Unspecified	UG/KG	12.2		J
SB-207	SB-207-13-14	92179407	92179407010	EPA 8260	1-Methylnaphthalene	UG/KG	779	N	NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8260	2-Methylnaphthalene	UG/KG	699	N	NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8260	Benzene, 1-methyl-2-(1-methylethyl)	UG/KG	680	N	NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8260	Benzene, 1-methyl-2-(2-p	UG/KG	1,540	N	NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8260	BENZENE, 2-ETHENYL-1,4-DIMETHYL-	UG/KG	882	N	NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8260	BENZENE, 2-ETHYL-1,3-DIMETHYL-	UG/KG	724	N	NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8260	Dodecane	UG/KG	721	N	NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8260	Naphthalene, 1,2,3,4-tetrahydro-5-methyl-	UG/KG	730	N	NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8260	Undecane	UG/KG	1,440	N	NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8260	TIC Alkane(s)	UG/KG	678		J
SB-207	SB-207-3-4	92179407	92179407008	EPA 8260	TIC(s) Unspecified	UG/KG	4.4	N	J
SB-207	SB-207-6-7	92179407	92179407009	EPA 8260	TIC Alkane(s)	UG/KG	5.3	N	J
SB-21	SB-21-14-15	92179407	92179407007	EPA 8260	2,6,10-trimethyldodecane	UG/KG	20.1	N	NJ
SB-21	SB-21-14-15	92179407	92179407007	EPA 8260	Hexadecane, 2,6,10,14-tetramet	UG/KG	11.6	N	NJ
SB-21	SB-21-14-15	92179407	92179407007	EPA 8260	Pentadecane	UG/KG	30.4	N	NJ
SB-21	SB-21-14-15	92179407	92179407007	EPA 8260	Tetradecane	UG/KG	21.9	N	NJ
SB-21	SB-21-14-15	92179407	92179407007	EPA 8260	TIC Alkane(s)	UG/KG	6.5		J
SB-21	SB-21-14-15	92179407	92179407007	EPA 8260	TIC(s) Unspecified	UG/KG	10.7	N	J
SB-21	SB-21-9-10	92179407	92179407006	EPA 8260	Difluoroethane	UG/KG	12.3	N	NJ
SB-25	SB-25-13-14	92179407	92179407023	EPA 8260	1-Methyldecahydronaphtha	UG/KG	105		NJ
SB-25	SB-25-13-14	92179407	92179407023	EPA 8260	Dodecane, 6-methyl-	UG/KG	104		NJ
SB-25	SB-25-13-14	92179407	92179407023	EPA 8260	TIC Alkane(s)	UG/KG	90		J
SB-25	SB-25-13-14	92179407	92179407023	EPA 8260	TIC(s) Unspecified	UG/KG	60.7		J
SB-25	SB-25-3-4	92179407	92179407021	EPA 8260	Difluoroethane	UG/KG	11.4	N	NJ
SB-25	SB-25-3-4	92179407	92179407021	EPA 8260	TIC Alkane(s)	UG/KG	6.2	N	J
SB-25	SB-25-9-10	92179407	92179407022	EPA 8260	Difluoroethane	UG/KG	15	N	NJ
SB-18	SB-501	92179407	92179407014	EPA 8260	Hexadecane	UG/KG	7.7	N	NJ
SB-18	SB-501	92179407	92179407014	EPA 8260	TIC(s) Unspecified	UG/KG	7.7	N	J
SB-04	SB-04-11-12	92180022	92180022008	EPA 8260	3,7-Dimethylnonane	UG/KG	51.1	N	NJ
SB-04	SB-04-11-12	92180022	92180022008	EPA 8260	Dodecane	UG/KG	94.8	N	NJ
SB-04	SB-04-11-12	92180022	92180022008	EPA 8260	Heptylcyclohexane	UG/KG	62.5	N	NJ
SB-04	SB-04-11-12	92180022	92180022008	EPA 8260	Pentadecane	UG/KG	40.8	N	NJ
SB-04	SB-04-11-12	92180022	92180022008	EPA 8260	Tetradecane	UG/KG	118	N	NJ
SB-04	SB-04-11-12	92180022	92180022008	EPA 8260	Tridecane	UG/KG	140	N	NJ
SB-04	SB-04-11-12	92180022	92180022008	EPA 8260	Undecane, 2,5-dimethyl-	UG/KG	84.9	N	NJ
SB-04	SB-04-11-12	92180022	92180022008	EPA 8260	TIC Alkane(s)	UG/KG	46.4	N	J
SB-04	SB-04-11-12	92180022	92180022008	EPA 8260	TIC Cycloalkane(s)	UG/KG	74.5	N	J

TABLE F.5
Data Validation Report: Summary of Tentatively Identified Compounds
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

Loc ID	Field Sample ID	SDG	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qualifier	Final Qualifier
SB-04	SB-04-3-4	92180022	92180022006	EPA 8260	2,3,7-Trimethyloctane	UG/KG	9	N	NJ
SB-04	SB-04-3-4	92180022	92180022006	EPA 8260	BENZENE, 2-ETHYL-1,3-DIMETHYL-	UG/KG	9.4	N	NJ
SB-04	SB-04-3-4	92180022	92180022006	EPA 8260	Dodecane	UG/KG	13.9	N	NJ
SB-04	SB-04-3-4	92180022	92180022006	EPA 8260	Dodecane, 6-methyl-	UG/KG	17.4	N	NJ
SB-04	SB-04-3-4	92180022	92180022006	EPA 8260	Tetradecane	UG/KG	11.1	N	NJ
SB-04	SB-04-3-4	92180022	92180022006	EPA 8260	Tridecane	UG/KG	16.8	N	NJ
SB-04	SB-04-3-4	92180022	92180022006	EPA 8260	TIC Alkane(s)	UG/KG	11.2	N	J
SB-04	SB-04-3-4	92180022	92180022006	EPA 8260	TIC Cycloalkane(s)	UG/KG	17.8	N	J
SB-04	SB-04-3-4	92180022	92180022006	EPA 8260	TIC(s) Unspecified	UG/KG	23.7	N	J
SB-04	SB-04-3-4	92180022	92180022006	EPA 8260	Unknown C17 or larger Al	UG/KG	11.7	N	J
SB-04	SB-04-6-7	92180022	92180022007	EPA 8260	Benzene, 1,4-bis(1,1-dim	UG/KG	9.3	N	NJ
SB-04	SB-04-6-7	92180022	92180022007	EPA 8260	Hexadecane, 2,6,10,14-tetramet	UG/KG	8.4	N	NJ
SB-04	SB-04-6-7	92180022	92180022007	EPA 8260	Pentadecane	UG/KG	6.4	N	NJ
SB-04	SB-04-6-7	92180022	92180022007	EPA 8260	Tetradecane	UG/KG	9.4	N	NJ
SB-04	SB-04-6-7	92180022	92180022007	EPA 8260	TIC Alkane(s)	UG/KG	8.7	N	J
SB-04	SB-04-6-7	92180022	92180022007	EPA 8260	TIC(s) Unspecified	UG/KG	4.9	N	J
SB-04	SB-04-6-7	92180022	92180022007	EPA 8260	Unknown Amine	UG/KG	6.3	N	J
SB-206	SB-206-14-15	92180022	92180022011	EPA 8260	Cyclohexane, 1,1,4,4-tet	UG/KG	9,170	N	NJ
SB-206	SB-206-14-15	92180022	92180022011	EPA 8260	Cyclohexene, 2-ethenyl-1	UG/KG	12,100	N	NJ
SB-206	SB-206-14-15	92180022	92180022011	EPA 8260	Dodecane	UG/KG	13,000	N	NJ
SB-206	SB-206-14-15	92180022	92180022011	EPA 8260	Methyldecahydronaphthalene	UG/KG	13,100	N	NJ
SB-206	SB-206-14-15	92180022	92180022011	EPA 8260	trans,trans-1,6-Dimethyl	UG/KG	10,900	N	NJ
SB-206	SB-206-14-15	92180022	92180022011	EPA 8260	TIC Alkane(s)	UG/KG	8,830	N	J
SB-206	SB-206-14-15	92180022	92180022011	EPA 8260	TIC Cycloalkane(s)	UG/KG	7,490	N	J
SB-206	SB-206-14-15	92180022	92180022011	EPA 8260	TIC(s) Unspecified	UG/KG	7,060	N	J
SB-206	SB-206-4-5	92180022	92180022009	EPA 8260	Pentadecane	UG/KG	6.1	N	NJ
SB-206	SB-206-4-5	92180022	92180022009	EPA 8260	Tetradecane	UG/KG	7	N	NJ
SB-206	SB-206-4-5	92180022	92180022009	EPA 8260	Tridecane	UG/KG	6.7	N	NJ
SB-23	SB-23-0-1	92180022	92180022012	EPA 8260	1,3-Dimethylnaphthalene	UG/KG	19.7	N	NJ
SB-23	SB-23-0-1	92180022	92180022012	EPA 8260	1,4,6-Trimethylnaphthalene	UG/KG	35.4	N	NJ
SB-23	SB-23-0-1	92180022	92180022012	EPA 8260	2,3,5-Trimethylnaphthalene	UG/KG	28.5	N	NJ
SB-23	SB-23-0-1	92180022	92180022012	EPA 8260	2,3,6-Trimethylnaphthalene	UG/KG	20.1	N	NJ
SB-23	SB-23-0-1	92180022	92180022012	EPA 8260	Hexadecane	UG/KG	20.4	N	NJ
SB-23	SB-23-0-1	92180022	92180022012	EPA 8260	Hexanal	UG/KG	11.6	N	NJ
SB-23	SB-23-0-1	92180022	92180022012	EPA 8260	Pentadecane	UG/KG	8.8	N	NJ
SB-23	SB-23-0-1	92180022	92180022012	EPA 8260	Unknown Amine	UG/KG	24.2	N	J
SB-23	SB-23-9-10	92180022	92180022013	EPA 8260	Unknown Amine	UG/KG	8.6	N	J
SB-24	SB-24-14-15	92180022	92180022005	EPA 8260	2,4-Dimethylstyrene	UG/KG	138	N	NJ
SB-24	SB-24-14-15	92180022	92180022005	EPA 8260	4-Methyldecane	UG/KG	131	N	NJ

TABLE F.5
Data Validation Report: Summary of Tentatively Identified Compounds
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
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Loc ID	Field Sample ID	SDG	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qualifier	Final Qualifier
SB-24	SB-24-14-15	92180022	92180022005	EPA 8260	Benzene, 1-ethyl-3-methyl	UG/KG	140	N	NJ
SB-24	SB-24-14-15	92180022	92180022005	EPA 8260	Dodecane	UG/KG	86.1	N	NJ
SB-24	SB-24-14-15	92180022	92180022005	EPA 8260	Methyldecahydronaphthalene	UG/KG	108	N	NJ
SB-24	SB-24-14-15	92180022	92180022005	EPA 8260	Undecane	UG/KG	193	N	NJ
SB-24	SB-24-14-15	92180022	92180022005	EPA 8260	TIC Alkane(s)	UG/KG	52.5	N	J
SB-24	SB-24-14-15	92180022	92180022005	EPA 8260	TIC Cycloalkane(s)	UG/KG	83.2	N	J
SB-24	SB-24-3-4	92180022	92180022003	EPA 8260	TIC Organic Acid(s)	UG/KG	5.4	N	J
SB-24	SB-24-8-9	92180022	92180022004	EPA 8260	TIC(s) Unspecified	UG/KG	6.5	N	J
SB-24	SB-24-8-9	92180022	92180022004	EPA 8260	Unknown Amine	UG/KG	6.4	N	J
SB-04	SB-502	92180022	92180022002	EPA 8260	2,6-Dimethyloctane	UG/KG	276	N	NJ
SB-04	SB-502	92180022	92180022002	EPA 8260	3,7-Dimethylnonane	UG/KG	83.6	N	NJ
SB-04	SB-502	92180022	92180022002	EPA 8260	Decane	UG/KG	137	N	NJ
SB-04	SB-502	92180022	92180022002	EPA 8260	Pentadecane	UG/KG	86.2	N	NJ
SB-04	SB-502	92180022	92180022002	EPA 8260	Tetradecane	UG/KG	169	N	NJ
SB-04	SB-502	92180022	92180022002	EPA 8260	Tridecane	UG/KG	195	N	NJ
SB-04	SB-502	92180022	92180022002	EPA 8260	TIC Alkane(s)	UG/KG	72.2	N	J
SB-04	SB-502	92180022	92180022002	EPA 8260	TIC Cycloalkane(s)	UG/KG	102	N	J
SB-04	SB-502	92180022	92180022002	EPA 8260	Unknown Amine	UG/KG	74.9	N	J
QC	CTS-STB-04	92180392	92180392001	EPA 8260	TIC(s) Unspecified	UG/KG	6.5		J
SB-01	SB-01-7-8	92180392	92180392012	EPA 8260	3-Hydroxymandelic acid,	UG/KG	9.5		NJ
SB-12	SB-12-14-15	92180392	92180392037	EPA 8260	2,6,10-trimethyldodecane	UG/KG	265		NJ
SB-12	SB-12-14-15	92180392	92180392037	EPA 8260	Cyclohexene, 2-ethenyl-1	UG/KG	240		NJ
SB-12	SB-12-14-15	92180392	92180392037	EPA 8260	Decahydro-4,4,8,9,10-pe	UG/KG	203		NJ
SB-12	SB-12-14-15	92180392	92180392037	EPA 8260	Methyldecahydronaphthalene	UG/KG	236		NJ
SB-12	SB-12-14-15	92180392	92180392037	EPA 8260	Pentadecane	UG/KG	267		NJ
SB-12	SB-12-14-15	92180392	92180392037	EPA 8260	Tetradecane	UG/KG	343		NJ
SB-12	SB-12-14-15	92180392	92180392037	EPA 8260	TIC Alkane(s)	UG/KG	273		J
SB-12	SB-12-14-15	92180392	92180392037	EPA 8260	TIC Cycloalkane(s)	UG/KG	184		J
SB-13	SB-13-10-11	92180392	92180392007	EPA 8260	Unknown Amide	UG/KG	7.4		J
SB-13	SB-13-2-3	92180392	92180392005	EPA 8260	TIC Organic Acid(s)	UG/KG	13.7		J
SB-13	SB-13-5-6	92180392	92180392006	EPA 8260	TIC Organic Acid(s)	UG/KG	5.8		J
SB-15	SB-15-4-5	92180392	92180392014	EPA 8260	2-Methyladamantane	UG/KG	1,060		NJ
SB-15	SB-15-4-5	92180392	92180392014	EPA 8260	Dodecane	UG/KG	1,360		NJ
SB-15	SB-15-4-5	92180392	92180392014	EPA 8260	Hexadecane, 2,6,10,14-tetramet	UG/KG	846		NJ
SB-15	SB-15-4-5	92180392	92180392014	EPA 8260	Methyldecahydronaphthalene	UG/KG	1,130		NJ
SB-15	SB-15-4-5	92180392	92180392014	EPA 8260	Undecane, 2,6-dimethyl	UG/KG	914		NJ
SB-15	SB-15-4-5	92180392	92180392014	EPA 8260	TIC Alcohol(s)	UG/KG	961		J
SB-15	SB-15-4-5	92180392	92180392014	EPA 8260	TIC Alkane(s)	UG/KG	825		J
SB-15	SB-15-4-5	92180392	92180392014	EPA 8260	TIC Alkene(s)	UG/KG	1,160		J

TABLE F.5
Data Validation Report: Summary of Tentatively Identified Compounds
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
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Loc ID	Field Sample ID	SDG	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qualifier	Final Qualifier
SB-15	SB-15-4-5	92180392	92180392014	EPA 8260	Unknown Amine	UG/KG	844		J
SB-15	SB-15-7-8	92180392	92180392015	EPA 8260	2,6,10-trimethyldodecane	UG/KG	6.2		NJ
SB-15	SB-15-7-8	92180392	92180392015	EPA 8260	Dodecane	UG/KG	5.1		NJ
SB-15	SB-15-7-8	92180392	92180392015	EPA 8260	Tetradecane	UG/KG	7.3		NJ
SB-15	SB-15-7-8	92180392	92180392015	EPA 8260	Tridecane	UG/KG	6.6		NJ
SB-15	SB-15-7-8	92180392	92180392015	EPA 8260	TIC Alcohol(s)	UG/KG	6.7		J
SB-15	SB-15-7-8	92180392	92180392015	EPA 8260	TIC Alkane(s)	UG/KG	5.3		J
SB-16	SB-16-4-5	92180392	92180392008	EPA 8260	TIC Organic Acid(s)	UG/KG	9.3		J
SB-20	SB-20-14-15	92180392	92180392025	EPA 8260	1,1,2,3-Tetramethylcyclohexane	UG/KG	1,520		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8260	1,2-Dimethyl-5-nitroadam	UG/KG	1,690		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8260	1-Decene, 4-methyl-	UG/KG	2,950		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8260	2H-Inden-2-one, 1,4,5,6,	UG/KG	2,570		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8260	9-Iodotricyclo[4.2.1.1(2	UG/KG	4,590		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8260	Bicyclo[2.2.1]heptane, 2	UG/KG	1,680		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8260	cis,trans-1,6-Dimethylsp	UG/KG	2,490		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8260	cis-Decalin, 2-syn-methy	UG/KG	2,490		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8260	Dodecane	UG/KG	2,050		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8260	Pentafluoropropionic aci	UG/KG	1,950		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8260	Tricyclo(3,3,1,13,7)decane	UG/KG	1,450		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8260	TIC(s) Unspecified	UG/KG	832		J
SB-204	SB-204-11-12	92180392	92180392040	EPA 8260	TIC(s) Unspecified	UG/KG	7.1		J
SB-205	SB-205-14-15	92180392	92180392043	EPA 8260	1,2-Dimethyl-4-ethylbenzene	UG/KG	7,320		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8260	1-Methyl-3-(1-methylethyl)benzene	UG/KG	3,630		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8260	1-Methylnaphthalene	UG/KG	5,700		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8260	2-Methylnaphthalene	UG/KG	7,010		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8260	Benzene, 1-methyl-2-(1-methylethyl)	UG/KG	5,280		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8260	Benzene, 1-methyl-4-(1-m	UG/KG	5,570		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8260	Dodecane	UG/KG	4,660		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8260	Tetradecane	UG/KG	3,440		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8260	Undecane	UG/KG	9,780		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8260	TIC Alkane(s)	UG/KG	3,100		J
SB-205	SB-205-14-15	92180392	92180392043	EPA 8260	Unknown Amine	UG/KG	3,520		J
SB-22	SB-22-12-13	92180392	92180392028	EPA 8260	2,6,10-trimethyldodecane	UG/KG	10.1		NJ
SB-22	SB-22-12-13	92180392	92180392028	EPA 8260	Hexadecane	UG/KG	20.6		NJ
SB-22	SB-22-12-13	92180392	92180392028	EPA 8260	Pentadecane	UG/KG	32.9		NJ
SB-22	SB-22-12-13	92180392	92180392028	EPA 8260	Tetradecane	UG/KG	15.2		NJ
SB-22	SB-22-12-13	92180392	92180392028	EPA 8260	TIC Alkane(s)	UG/KG	14.9		J
SB-22	SB-22-12-13	92180392	92180392028	EPA 8260	TIC(s) Unspecified	UG/KG	21.5		J
SB-22	SB-22-9-10	92180392	92180392027	EPA 8260	Unknown Amine	UG/KG	5.7		J

TABLE F.5
Data Validation Report: Summary of Tentatively Identified Compounds
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

Loc ID	Field Sample ID	SDG	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qualifier	Final Qualifier
SB-12	SB-504	92180392	92180392004	EPA 8260	2,6,10-trimethyldodecane	UG/KG	61.7		NJ
SB-12	SB-504	92180392	92180392004	EPA 8260	Methyldecahydronaphthalene	UG/KG	80.3		NJ
SB-12	SB-504	92180392	92180392004	EPA 8260	Pentadecane	UG/KG	121		NJ
SB-12	SB-504	92180392	92180392004	EPA 8260	Tetradecane	UG/KG	167		NJ
SB-12	SB-504	92180392	92180392004	EPA 8260	Tridecane	UG/KG	84.3		NJ
SB-12	SB-504	92180392	92180392004	EPA 8260	Undecane, 2,6-dimethyl	UG/KG	132		NJ
SB-12	SB-504	92180392	92180392004	EPA 8260	TIC Alkane(s)	UG/KG	79.5		J
SB-12	SB-504	92180392	92180392004	EPA 8260	TIC Alkene(s)	UG/KG	92.6		J
SB-12	SB-504	92180392	92180392004	EPA 8260	TIC Cycloalkane(s)	UG/KG	68.2		J
SB-12	SB-504	92180392	92180392004	EPA 8260	TIC(s) Unspecified	UG/KG	110		J
QC	CTS-RB-01	92179407	92179407003	EPA 8270	TIC(s) Unspecified	UG/L	7.7		J
QC	CTS-RB-02	92179407	92179407004	EPA 8270	TIC(s) Unspecified	UG/L	6.9		J
SB-17	SB-17-13-14	92179407	92179407013	EPA 8270	Eicosane	UG/KG	986		NJ
SB-17	SB-17-13-14	92179407	92179407013	EPA 8270	Heneicosane	UG/KG	469		NJ
SB-17	SB-17-13-14	92179407	92179407013	EPA 8270	Hexadecane, 2,6,10,14-tetramet	UG/KG	353		NJ
SB-17	SB-17-13-14	92179407	92179407013	EPA 8270	Nonadecane	UG/KG	1,210		NJ
SB-17	SB-17-13-14	92179407	92179407013	EPA 8270	Pentadecane	UG/KG	443		NJ
SB-17	SB-17-13-14	92179407	92179407013	EPA 8270	Tricosane	UG/KG	1,040		NJ
SB-19	SB-19-14-15	92179407	92179407017	EPA 8270	2,6,10,14-Tetramethylpentadecane	UG/KG	46,800		NJ
SB-19	SB-19-14-15	92179407	92179407017	EPA 8270	Eicosane	UG/KG	48,400		NJ
SB-19	SB-19-14-15	92179407	92179407017	EPA 8270	Heneicosane	UG/KG	31,400		NJ
SB-19	SB-19-14-15	92179407	92179407017	EPA 8270	Hexadecane	UG/KG	19,100		NJ
SB-19	SB-19-14-15	92179407	92179407017	EPA 8270	Hexadecane, 2,6,10,14-tetramet	UG/KG	39,300		NJ
SB-19	SB-19-14-15	92179407	92179407017	EPA 8270	Nonadecane	UG/KG	64,600		NJ
SB-19	SB-19-14-15	92179407	92179407017	EPA 8270	Tricosane	UG/KG	528,000		NJ
SB-19	SB-19-14-15	92179407	92179407017	EPA 8270	TIC(s) Unspecified	UG/KG	31,100		J
SB-19	SB-19-8-10	92179407	92179407016	EPA 8270	1H-Inden-1-one, 2,3-dihy	UG/KG	252		NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8270	2,3,6-Trimethylnaphthalene	UG/KG	27,900		NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8270	2,6,10,14-Tetramethylpentadecane	UG/KG	17,300		NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8270	2,6-Dimethyloctane	UG/KG	15,600		NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8270	Dodecane	UG/KG	21,200		NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8270	Eicosane	UG/KG	36,900		NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8270	Heneicosane	UG/KG	51,800		NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8270	Hexadecane, 2,6,10,14-tetramet	UG/KG	21,800		NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8270	Pentadecane	UG/KG	65,100		NJ
SB-207	SB-207-13-14	92179407	92179407010	EPA 8270	Tricosane	UG/KG	16,000		NJ
SB-207	SB-207-6-7	92179407	92179407009	EPA 8270	Hexadecanoic acid	UG/KG	366		NJ
SB-21	SB-21-1-2	92179407	92179407005	EPA 8270	TIC(s) Unspecified	UG/KG	458		J
SB-21	SB-21-14-15	92179407	92179407007	EPA 8270	2,6,10,14-Tetramethylpentadecane	UG/KG	367		NJ

TABLE F.5
Data Validation Report: Summary of Tentatively Identified Compounds
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

Loc ID	Field Sample ID	SDG	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qualifier	Final Qualifier
SB-21	SB-21-14-15	92179407	92179407007	EPA 8270	2,6,10-trimethyl-Pentadecane	UG/KG	291		NJ
SB-21	SB-21-14-15	92179407	92179407007	EPA 8270	Eicosane	UG/KG	717		NJ
SB-21	SB-21-14-15	92179407	92179407007	EPA 8270	Heneicosane	UG/KG	353		NJ
SB-21	SB-21-14-15	92179407	92179407007	EPA 8270	Hexadecane	UG/KG	420		NJ
SB-21	SB-21-14-15	92179407	92179407007	EPA 8270	Hexadecane, 2,6,10,14-tetramet	UG/KG	436		NJ
SB-21	SB-21-14-15	92179407	92179407007	EPA 8270	Nonadecane	UG/KG	940		NJ
SB-21	SB-21-14-15	92179407	92179407007	EPA 8270	Pentadecane	UG/KG	392		NJ
SB-25	SB-25-13-14	92179407	92179407023	EPA 8270	2,6,10-trimethyldodecane	UG/KG	455		NJ
SB-25	SB-25-13-14	92179407	92179407023	EPA 8270	2,6-Dimethyloctane	UG/KG	1,970		NJ
SB-25	SB-25-13-14	92179407	92179407023	EPA 8270	Heneicosane	UG/KG	430		NJ
SB-25	SB-25-13-14	92179407	92179407023	EPA 8270	Nonadecane	UG/KG	875		NJ
SB-25	SB-25-13-14	92179407	92179407023	EPA 8270	n-Tetracosane	UG/KG	2,740		NJ
SB-25	SB-25-13-14	92179407	92179407023	EPA 8270	Tridecane	UG/KG	1,100		NJ
SB-25	SB-25-13-14	92179407	92179407023	EPA 8270	Undecane, 2,6-dimethyl	UG/KG	1,950		NJ
SB-25	SB-25-13-14	92179407	92179407023	EPA 8270	TIC(s) Unspecified	UG/KG	1,200		J
SB-25	SB-25-9-10	92179407	92179407022	EPA 8270	Hexadecanoic acid	UG/KG	647		NJ
SB-25	SB-25-9-10	92179407	92179407022	EPA 8270	TIC(s) Unspecified	UG/KG	361		J
SB-18	SB-501	92179407	92179407014	EPA 8270	TIC(s) Unspecified	UG/KG	369		J
SB-04	SB-04-11-12	92180022	92180022008	EPA 8270	2,6,10,14-Tetramethylpentadecane	UG/KG	1,610	N	NJ
SB-04	SB-04-11-12	92180022	92180022008	EPA 8270	Docosane	UG/KG	206	N	NJ
SB-04	SB-04-11-12	92180022	92180022008	EPA 8270	Eicosane	UG/KG	1,060	N	NJ
SB-04	SB-04-11-12	92180022	92180022008	EPA 8270	Heneicosane	UG/KG	657	N	NJ
SB-04	SB-04-11-12	92180022	92180022008	EPA 8270	Hexadecane	UG/KG	54,000	N	NJ
SB-04	SB-04-11-12	92180022	92180022008	EPA 8270	Hexadecane, 2,6,10,14-tetramet	UG/KG	267	N	NJ
SB-04	SB-04-11-12	92180022	92180022008	EPA 8270	Nonadecane	UG/KG	1,390	N	NJ
SB-04	SB-04-11-12	92180022	92180022008	EPA 8270	TIC(s) Unspecified	UG/KG	600	N	J
SB-04	SB-04-6-7	92180022	92180022007	EPA 8270	TIC(s) Unspecified	UG/KG	225	N	J
SB-206	SB-206-14-15	92180022	92180022011	EPA 8270	Dodecane, 2-methyl-	UG/KG	1,240	N	NJ
SB-206	SB-206-14-15	92180022	92180022011	EPA 8270	Hexadecane	UG/KG	3,810	N	NJ
SB-206	SB-206-14-15	92180022	92180022011	EPA 8270	n-Tetracosane	UG/KG	848	N	NJ
SB-206	SB-206-14-15	92180022	92180022011	EPA 8270	trans-Decalin, 2-methyl-	UG/KG	865	N	NJ
SB-206	SB-206-14-15	92180022	92180022011	EPA 8270	Tridecane	UG/KG	8,240	N	NJ
SB-206	SB-206-14-15	92180022	92180022011	EPA 8270	TIC(s) Unspecified	UG/KG	715	N	J
SB-206	SB-206-4-5	92180022	92180022009	EPA 8270	TIC(s) Unspecified	UG/KG	295	N	J
SB-23	SB-23-14-15	92180022	92180022014	EPA 8270	2,6,10,14-Tetramethylpentadecane	UG/KG	288	N	NJ
SB-23	SB-23-14-15	92180022	92180022014	EPA 8270	2-Bromo dodecane	UG/KG	391	N	NJ
SB-23	SB-23-14-15	92180022	92180022014	EPA 8270	Eicosane	UG/KG	274	N	NJ
SB-23	SB-23-14-15	92180022	92180022014	EPA 8270	Hexadecane	UG/KG	360	N	NJ
SB-23	SB-23-14-15	92180022	92180022014	EPA 8270	Pentadecane	UG/KG	370	N	NJ

TABLE F.5
Data Validation Report: Summary of Tentatively Identified Compounds
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

Loc ID	Field Sample ID	SDG	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qualifier	Final Qualifier
SB-23	SB-23-9-10	92180022	92180022013	EPA 8270	TIC(s) Unspecified	UG/KG	317	N	J
SB-24	SB-24-14-15	92180022	92180022005	EPA 8270	Docosane	UG/KG	373	N	NJ
SB-24	SB-24-14-15	92180022	92180022005	EPA 8270	Heptadecane	UG/KG	1,750	N	NJ
SB-24	SB-24-14-15	92180022	92180022005	EPA 8270	n-Tetracosane	UG/KG	756	N	NJ
SB-24	SB-24-14-15	92180022	92180022005	EPA 8270	Tridecane	UG/KG	9,650	N	NJ
SB-24	SB-24-14-15	92180022	92180022005	EPA 8270	TIC(s) Unspecified	UG/KG	791	N	J
SB-24	SB-24-3-4	92180022	92180022003	EPA 8270	TIC(s) Unspecified	UG/KG	435	N	J
SB-24	SB-24-8-9	92180022	92180022004	EPA 8270	TIC(s) Unspecified	UG/KG	209	N	J
SB-04	SB-502	92180022	92180022002	EPA 8270	Docosane	UG/KG	213	N	NJ
SB-04	SB-502	92180022	92180022002	EPA 8270	Eicosane	UG/KG	1,100	N	NJ
SB-04	SB-502	92180022	92180022002	EPA 8270	Heneicosane	UG/KG	667	N	NJ
SB-04	SB-502	92180022	92180022002	EPA 8270	Hexadecane, 2,6,10,14-tetramet	UG/KG	1,240	N	NJ
SB-04	SB-502	92180022	92180022002	EPA 8270	Nonadecane	UG/KG	1,290	N	NJ
SB-04	SB-502	92180022	92180022002	EPA 8270	Tridecane	UG/KG	285	N	NJ
SB-04	SB-502	92180022	92180022002	EPA 8270	Tridecane, 7-methyl-	UG/KG	192	N	NJ
SB-11	SB-11-3-5	92180392	92180392020	EPA 8270	TIC(s) Unspecified	UG/KG	392		J
SB-11	SB-11-7-8	92180392	92180392021	EPA 8270	TIC(s) Unspecified	UG/KG	203		J
SB-12	SB-12-14-15	92180392	92180392037	EPA 8270	Pentadecane	UG/KG	1,460		NJ
SB-12	SB-12-14-15	92180392	92180392037	EPA 8270	Tridecane	UG/KG	1,430		NJ
SB-12	SB-12-14-15	92180392	92180392037	EPA 8270	TIC(s) Unspecified	UG/KG	617		J
SB-13	SB-13-10-11	92180392	92180392007	EPA 8270	n-Octacosane	UG/KG	241		NJ
SB-13	SB-13-10-11	92180392	92180392007	EPA 8270	TIC(s) Unspecified	UG/KG	4,020		J
SB-14	SB-14-10-11	92180392	92180392019	EPA 8270	TIC(s) Unspecified	UG/KG	1,430		J
SB-15	SB-15-11-12	92180392	92180392016	EPA 8270	TIC(s) Unspecified	UG/KG	1,100		J
SB-15	SB-15-4-5	92180392	92180392014	EPA 8270	2-Methyldecane	UG/KG	3,120		NJ
SB-15	SB-15-4-5	92180392	92180392014	EPA 8270	Dodecane, 4,6-dimethyl-	UG/KG	3,040		NJ
SB-15	SB-15-4-5	92180392	92180392014	EPA 8270	Tridecane	UG/KG	3,290		NJ
SB-15	SB-15-4-5	92180392	92180392014	EPA 8270	Tridecane, 7-methyl-	UG/KG	2,820		NJ
SB-15	SB-15-4-5	92180392	92180392014	EPA 8270	TIC(s) Unspecified	UG/KG	24,400		J
SB-16	SB-16-7-8	92180392	92180392009	EPA 8270	TIC(s) Unspecified	UG/KG	349		J
SB-20	SB-20-14-15	92180392	92180392025	EPA 8270	2,6-Dimethyloctane	UG/KG	2,500		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8270	Eicosane	UG/KG	6,030		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8270	Heneicosane	UG/KG	4,370		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8270	Nonadecane	UG/KG	6,890		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8270	Tridecane	UG/KG	2,760		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8270	Undecane, 2,6-dimethyl	UG/KG	2,310		NJ
SB-20	SB-20-14-15	92180392	92180392025	EPA 8270	TIC(s) Unspecified	UG/KG	1,440		J
SB-20	SB-20-3-4	92180392	92180392023	EPA 8270	TIC(s) Unspecified	UG/KG	11,700		J
SB-204	SB-204-11-12	92180392	92180392040	EPA 8270	TIC(s) Unspecified	UG/KG	4,880		J

TABLE F.5
Data Validation Report: Summary of Tentatively Identified Compounds
Mills Gap Road Groundwater Contamination Site
Asheville, North Carolina
AMEC Project 6690-03-9450

Loc ID	Field Sample ID	SDG	Lab Sample ID	Method	Analyte	Units	Final Result	Lab Qualifier	Final Qualifier
SB-205	SB-205-14-15	92180392	92180392043	EPA 8270	1H-Cyclopropa[l]phenant	UG/KG	1,270		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8270	2,6,10,14-Tetramethylpentadecane	UG/KG	766		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8270	Docosane	UG/KG	422		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8270	Heneicosane	UG/KG	513		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8270	Hexadecane	UG/KG	8,360		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8270	Nonadecane	UG/KG	1,060		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8270	Pentadecane	UG/KG	8,790		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8270	Tridecane	UG/KG	6,690		NJ
SB-205	SB-205-14-15	92180392	92180392043	EPA 8270	TIC(s) Unspecified	UG/KG	551		J
SB-205	SB-205-6-7	92180392	92180392042	EPA 8270	TIC(s) Unspecified	UG/KG	229		J
SB-208	SB-208-12-13	92180392	92180392033	EPA 8270	TIC(s) Unspecified	UG/KG	6,200		J
SB-208	SB-208-4-5	92180392	92180392032	EPA 8270	TIC(s) Unspecified	UG/KG	253		J
SB-208	SB-208-7-9	92180392	92180392034	EPA 8270	TIC(s) Unspecified	UG/KG	342		J
SB-20	SB-20-9-10	92180392	92180392024	EPA 8270	2-Ethylhexyl mercaptoace	UG/KG	186		NJ
SB-20	SB-20-9-10	92180392	92180392024	EPA 8270	TIC(s) Unspecified	UG/KG	859		J
SB-22	SB-22-12-13	92180392	92180392028	EPA 8270	Pentadecane	UG/KG	208		NJ
SB-22	SB-22-9-10	92180392	92180392027	EPA 8270	TIC(s) Unspecified	UG/KG	275		J
SB-12	SB-504	92180392	92180392004	EPA 8270	2,6,10,14-Tetramethylpentadecane	UG/KG	767		NJ
SB-12	SB-504	92180392	92180392004	EPA 8270	Benzo[c]cinnoline, 4,7-	UG/KG	652		NJ
SB-12	SB-504	92180392	92180392004	EPA 8270	Eicosane	UG/KG	721		NJ
SB-12	SB-504	92180392	92180392004	EPA 8270	Heneicosane	UG/KG	786		NJ
SB-12	SB-504	92180392	92180392004	EPA 8270	Hexadecane, 2,6,10,14-tetramet	UG/KG	996		NJ
SB-12	SB-504	92180392	92180392004	EPA 8270	Nonadecane	UG/KG	1,670		NJ
SB-12	SB-504	92180392	92180392004	EPA 8270	Pentadecane	UG/KG	4,560		NJ
SB-12	SB-504	92180392	92180392004	EPA 8270	Tridecane, 7-hexyl-	UG/KG	325		NJ
SB-12	SB-504	92180392	92180392004	EPA 8270	TIC(s) Unspecified	UG/KG	556		J

Notes:
UG/L = microgram per liter
UG/KG = microgram per kilogram
Qualifiers-
J = result reported is estimated, unidentified TIC (EPA Region IV CLP15)
NJ = result reported is estimated, identified TIC (EPA Region IV CLP15)

Prepared By: WCG 4/4/14
Checked By: WDC 4/4/14