AECOM Environment

Prepared for:
North Carolina Department of Transportation
Raleigh, NC

Prepared by:
AECOM
Raleigh, NC
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November 2010

2010 Site Assessment Report

North Carolina Department of Transportation
NCDOT Pittsboro Asphalt Site No. 6-48 (34613.3.13)
240 Sugar Lake Road
Pittsboro, Chatham County, North Carolina, USA

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List of Acronyms

1,1-DCE	1,1-dichloroethene
1,1,1-TCA	1,1,1- trichloroethane
1,2,3-TCP	1,2,3-trichloropropane
2L Standard	North Carolina Groundwater Standards
AECOM	AECOM North Carolina, Inc.
CAP	Corrective Action Plan
CLP	Contract Laboratory Program
CSA	Comprehensive Site Assessment
DO	dissolved oxygen
DPT	direct push technology
EPA	United States Environmental Protection Agency
ft bls	feet below land surface
G&M	Geraghty & Miller, Inc.
IHSB	Inactive Hazardous Sites Branch
NCDENR	North Carolina Department of Environment and Natural Resources
NCDOT	North Carolina Department of Transportation
ORP	oxygen reduction potential
PDBs	passive diffusion bags
PID	Photoionization Detector
PVC	polyvinyl chloride
PWR	partially weathered rock
SGS	SGS North America, Inc.
SRGs	soil remediation goals
TCE	trichloroethene

USGS	United States Geological Survey
VOCs	volatile organic compounds
µg/kg	micrograms per kilogram
µg/L	micrograms per liter

1.0 Introduction

AECOM North Carolina, Inc. (AECOM) is pleased to submit this *Site Assessment Report* (Report) to the North Carolina Department of Transportation (NCDOT). This report presents the findings of the limited soil and groundwater assessment activities conducted by AECOM at the former NCDOT Pittsboro Asphalt Site No. 6–48 (Site) located at 240 Sugar Lake Road (SR 1714) in Pittsboro, Chatham County, North Carolina (Figure 1.1). The Site is currently owned by S.T. Wooten Company and is used as an asphalt production facility and includes an active laboratory. Primary objectives of the site assessment were to:

- Perform a fracture trace analysis to determine the orientation of fractures, which can influence groundwater and contaminant flow;
- Confirm presence of diabase dikes reported in the vicinity. Diabase dikes can act as a preferential pathway of contaminants in groundwater due to relatively high fracture densities compared to the surrounding country rocks;
- Evaluate potential volatile organic compound (VOC) source areas including:
  - Former NCDOT Asphalt Testing Laboratory Area;
  - Current Asphalt Testing Laboratory Area;
  - Former Potable Water Well Area; and
  - Septic Tank Percolation Area.
- Determine the current concentrations and vertical extent of VOCs in groundwater immediately down gradient of the former NCDOT asphalt testing laboratory location.

1.1 Site History

The NCDOT operated an asphalt testing laboratory at the Site for an unknown period of time and used several different solvents at different times throughout its operation including carbon tetrachloride, trichloroethene (TCE), and 1,1,1-trichloroethane (1,1,1-TCA) [NCDOT target compounds].

The laboratory location and period of NCDOT laboratory use is unclear. Figures presented in the Corrective Action Plan (CAP) prepared by S&ME, Inc. indicate the NCDOT laboratory was located less than 50-feet northeast of groundwater monitoring well 48DW-1 (Figure 1-2). To help confirm the former laboratory location and operational history, AECOM obtained historical aerial photographs from the Chatham County Geographic Information Systems Department. Aerial photographs from April 1977 are inconclusive and of poor quality, but illustrate several small structures in the area where the former NCDOT testing laboratory was purportedly located. The 1987 aerial photograph illustrates a structure in the same approximate location as the current asphalt testing laboratory. No structures were observed near the location designated as the former NCDOT laboratory location. Copies of the aerial photographs are presented in Appendix A.

In 1989, the NCDOT began assessing former NCDOT asphalt testing laboratories for environmental impacts related to their use of chlorinated VOC's. A preliminary site survey conducted by the NCDOT

at the Site reported the detection of TCE and 1,1,1–TCA in groundwater and carbon tetrachloride in soil. A Comprehensive Site Assessment (CSA) report was submitted to North Carolina Department of Environment and Natural Resources (NCDENR) in June 1997 by Geraghty & Miller, Inc. (G&M), for NCDOT (G&M CSA Report). The G&M CSA Report documented soil and groundwater impacted with chlorinated hydrocarbons. In response to these impacts, a CAP was prepared by S&ME, Inc., and submitted to NCDENR in September 1999. The CAP proposed a remediation system network including groundwater pump and treat, air sparging, and soil vapor extraction. The soil and groundwater remediation system network was installed at the site in 2002 (Figure 1.2).

Since the start of corrective action, the areal extent of the TCE plume has been reduced; however, TCE concentrations have remained stable in monitoring well MW-1 and the groundwater treatment system influent, indicating a persistent source of groundwater impacts.

1.2 Regional Geology and Hydrogeology

The site is situated within the east-central portion of North Carolina's piedmont physiographic region which is characterized by differing thicknesses of saprolite overlying a transition zone of partially weathered rock (PWR) and fractured bedrock. This transition zone generally grades into more consolidated, less fractured rock with depth. Piedmont geology predominately consists of metamorphic rocks including gneiss, schist, and metamorphosed granitic rocks, which typically occur in a series of northeast trending belts. The Site is located in the Carolina Slate Belt, which consists of folded and mildly metamorphosed volcanic and sedimentary rocks. The local geology of the Site consists of felsic metavolcanic rocks (Brown, 1985). More specifically, bedrock at the Site is heterogeneous tuffs of felsic to intermediate composition with lesser interlayers of andesitic to basaltic lavas and epiclastic rocks (Bradley et al. 2007).

Groundwater flow systems in the Piedmont are typically separated into three hydrogeologic zones; saprolite, PWR, and bedrock. Groundwater in saprolite and PWR generally flows parallel to the bedrock surface before discharging into surface water bodies (LeGrand, 2004). Groundwater flow through saprolite is generally controlled by primary and relic secondary porosity features. Saprolite transmits water slowly, but has a high storage capacity with porosity ranges of 35 to 55 percent near the ground surface and decreases with depth (LeGrand, 2004).

The PWR zone is characterized as a highly permeable zone that is conducive for rapid groundwater flow. Similar to saprolite, groundwater in PWR flows parallel to the bedrock surface flowing from topographic highs to topographic lows. Secondary porosity features such as fractures, faults and weathered zones determine movement of groundwater in the transition zone.

In the underlying bedrock, groundwater occurrence and flow is dictated by the presence of fracture zones. Groundwater movement in bedrock is dependent upon secondary porosity in the form of fractures and solution openings (LeGrand, 2004). Fractured bedrock has the ability to transmit water rapidly depending on the interconnectivity of fractures, but it has a relatively low storage capacity. Groundwater contained in the bedrock portion of the aquifer will also typically discharge to a perennial stream or surface water body and mix with the water discharged from the saprolite and PWR (LeGrand, 2004).

2.0 Investigation Methodology

In the spring of 2010, AECOM conducted several field activities including: fracture trace survey, geologic field recon, soil investigation, monitoring well installation, and groundwater sampling collection from all monitoring wells on-site. The following sections discuss the field activities in greater detail.

2.1 Geologic Field Reconnaissance

On April 15th 2010, AECOM conducted a geologic field reconnaissance to measure fracture attitudes in outcrops near the Site. Field measurements of fractures were recorded from outcrops along creeks to the east, south and west of the site and incorporated in the fracture trace analysis. A secondary goal of the geologic field reconnaissance was to document if diabase dikes are present in the area. Diabase was reported in the boring logs for 48DW-3 presented in the CSA (S&ME, 1999). Diabase dikes can act as a preferential pathway of contaminates in groundwater due to relatively high fracture densities compared to the surrounding country rocks.

2.2 Fracture Trace Survey

A fracture trace is the surficial representation of an underlying fracture zone, joint, fault, or bedding plane. Fracture traces may reveal themselves on the surface as tonal variations in soils, alignment of vegetative patterns, straight stream segments or valleys, aligned surface depressions, gaps in ridges, and other features showing a linear orientation. These natural, linear topographic features are generally attributable to the presence of water in the underlying fractures or fracture zones. Fracture-trace analysis is useful in determining the preferential direction of groundwater and contaminate flow in an area.

Fracture traces in the area were identified during a desktop analysis of readily available United States Geological Survey (USGS) topographic maps, aerial photos, and satellite imagery. The approximate distance from the site, segment length, and bearings of the identified features were recorded and tabulated. The fracture-trace analysis also includes measurement of fracture sets from bedrock outcrops along unnamed creeks to the east, south, and west. Due to the scales available maps and image scales, fracture traces were limited to surface water features and their associated valleys.

2.3 Soil Sampling

Soil borings were advanced in four general areas of concern; 1) the former NCDOT laboratory and septic tank area; 2) the current asphalt laboratory area; 3) the area adjacent to the former potable water well PW-1; and 4) the septic tank percolation area. Soil samples were collected for the purpose of identifying potential impacted soil source areas and to delineate the horizontal and vertical extent of chlorinated volatile organic compounds (CVOCs) in the areas of concern. The data will also be used to evaluate possible remediation strategies.

Continuous soil core sampling was conducted on-site using direct push technology (DPT) methods. The DPT was advanced to refusal at 22 locations (Figure 2.1). At each location soils were collected at two foot intervals and field screened using a Photoionization Detector (PID), flame ionization detector, and for total chlorinated ethenes using a ColorTec® colorimetric test kit. Field screening was

used to obtain real-time, semi-quantitative measurements of chlorinated ethene and VOC concentrations in soil, and were used to assist in selection of boring locations for contamination delineation. Based on field screening results, 30 samples were selected for laboratory analyses.

Generally, the soil sample with the highest PID and/or Color-Tec® readings from each boring were retained for laboratory analysis of VOCs by United States Environmental Protection Agency (EPA) Method 8260B. The samples were placed into laboratory supplied containers, labeled, and placed in a cooler with ice pending shipment to SGS North America, Inc. (SGS) laboratory in Wilmington, North Carolina under Chain of Custody procedures. Soil cuttings generated during boring advancement were contained in 55-gallon drums.

2.4 Monitoring Well Installation

The average TCE concentration in the groundwater treatment system influent since 2004 (240 micrograms per liter [µg/L]) is more than twice that observed in well MW-1, which has the highest impacts among the Site monitoring wells. The TCE concentration trend in treatment system influent appears to be stable indicating a likely residual TCE source. The disparity between the average influent concentration and that observed in well MW-1 suggests that the source of persistent groundwater impacts exists within the capture zone of the groundwater recovery system but is not identified by the existing Site monitoring well network.

To identify residual groundwater source areas, AECOM installed two type II (48MW-16 and 48MW-17) and one type III (48DW-5) monitoring wells using a combination of hollow stem augers and air rotary techniques. The locations of the monitoring wells are presented as Figure 2.2.

Monitoring well 48MW-16 was installed downgradient of the former NCDOT asphalt testing lab (Figure 2.2) to a depth of approximately 45 feet below land surface (ft bls). Monitoring well 48MW-17 was installed near destroyed monitoring well 48MW-9 to a depth of approximately 35 ft bls to facilitate better control on shallow groundwater flow direction on the western side of the Site. Soil was logged for lithology from two-foot split spoon samples collected at five foot intervals. Boring logs are included in Appendix B.

Each Type II monitoring well was constructed with a two-inch diameter schedule 40 polyvinyl chloride (PVC) casing with 10 feet of 0.010-inch slotted PVC screen. A sand pack was placed in the annulus to a height of approximately two feet above the top of the well screen. A bentonite seal was placed approximately two feet above the sand pack and hydrated. The remainder of the well annulus was filled with grout to the ground surface.

To determine if residual sources were present in bedrock, AECOM installed one type III monitoring well (48DW-5) downgradient of the former NCDOT asphalt testing lab. The well was constructed with a six-inch PVC outer casing advanced approximately three feet into the top of bedrock. The casing was grouted in place and allowed to set for approximately 24 hours. After the grout cured, the borehole was advanced using air rotary techniques to a depth of approximately 102 ft bls and left open hole to facilitate multi-level groundwater sampling (see section 2.5).

Each well was secured with a locking expansion plug, and completed with a three-foot steel protective stick-up cover surrounded by a two-foot square concrete pad. After installation, each monitoring well was developed by pumping and surging with a submersible pump until the turbidity decreased. Development water was containerized in five gallon buckets and transferred to the on-site groundwater treatment facility for disposal. Drill cuttings were placed in 55-gallon drums and staged

on-site pending disposal at a permitted facility by A&D Environmental, Inc., a NCDOT approved waste disposal operator.

A summary of the well construction details is provided in Table 2.1 and the well construction records are included in Appendix C. The horizontal location and vertical elevation of each monitoring well was surveyed by Taylor Wiseman Taylor, a North Carolina licensed surveyor.

2.5 Monitoring Well Sampling

Groundwater samples were collected from each of the 14 existing groundwater monitoring wells in April 2010 during the regularly scheduled semiannual groundwater sampling event. Monitoring wells 48MW-16, 48MW-17, and 48DW-5 were sampled in July 2010 shortly after they were installed. The monitoring well network is shown on Figure 2.2. Groundwater sampling was performed according to AECOM standard operating procedures that generally comply with the requirements of the *2007 Field Branches Quality System and Technical Procedures* document.

Each well was purged with a peristaltic pump or a Grundfos® submersible pump. Sample collection records for the field methods used at each well location are presented in Appendix D. Water levels were monitored approximately every three to five minutes and a steady flow rate was maintained to stabilize the water level. Field parameters (temperature, pH, specific conductance, dissolved oxygen [DO], and oxygen reduction potential [ORP]) were measured to ensure collection of a sample representative of formation water. Each well was considered ready for sampling when the parameters had stabilized to within 10 percent for three consecutive readings or if the well purged dry. After purging, groundwater samples were collected at a flow rate between 100 and 250 milliliters per minute. Field parameters were recorded on field data sheets (Appendix D).

Groundwater samples were containerized, preserved, and shipped to the analytical laboratory. Sampling equipment was thoroughly decontaminated with phosphate-free soap and distilled water prior to fieldwork and between wells to prevent cross-contamination.

One week following the installation of monitoring well 48DW-5, AECOM deployed passive diffusion bags (PDBs) at depths corresponding to water bearing fractures documented during well installation (i.e. changes in advancement rate, cuttings, rate of groundwater flow out of the casing). Three PDBs were deployed in monitoring well 48DW-5 at 60 ft bls, 80 ft bls, and 100 ft bls. The PDBs were allowed to equilibrate with the surrounding water for two weeks. After the two week equilibration period, the PDBs were retrieved and the water decanted into laboratory supplied sample containers.

Sample handling, packaging, preservation and storage were conducted in general accordance with AECOM, NCDENR and EPA protocols. Samples were submitted to SGS under Chain of Custody procedures for laboratory analysis of VOCs by EPA Method 8260B.

2.6 Industrial Derived Waste

Decontamination water and water generated during the purging of monitoring wells was temporarily contained in five gallon buckets and transferred to the remediation system 500-gallon equalization tank. Drill cuttings, personal protection equipment, decontamination pad plastic, and groundwater containment plastic were placed in 55-gallon drums and staged on-site pending disposal at a permitted facility by A&D Environmental, Inc., a NCDOT approved waste disposal operator.

3.0 Results

The following sections discuss the field and laboratory results of the Limited Site Assessment. Laboratory analytical reports from SGS and field data associated with samples collected by AECOM personnel were reviewed and validated to ensure that specific data-quality objectives were met. Laboratory analytical reports are provided in Appendix E.

3.1 Site Geology

The subsurface geology encountered at the site generally consists of 10 to 35 feet of yellowish-orange to light gray saprolite composed of silt with minor sand and clay, increasing in grain size with depth. The transition zone from saprolite to bedrock (i.e. PWR) was approximately 4 to 6 feet. A geologic cross-section of the site subsurface was constructed along the lines A to A' (Figure 3.1). The subsurface geology at the site and was created using soil and monitoring well boring logs (Figure 3.2). In general, the saprolite/PWR contact was determined using split-spoon blow counts and the PWR/bedrock contact was estimated based on auger refusal. Based on hand samples collected during monitoring well installation and observations of bedrock outcrops during the geologic field reconnaissance, no evidence of diabase dikes was documented.

3.2 Fracture Trace Analysis

Fracture traces were identified during a desktop analysis of readily available topographic maps, aerial photos, and satellite imagery. Fracture bearings measured during the geologic field reconnaissance were also incorporated into the analysis.

In general, fracture traces tend to be oriented at a consistent angle with the regional structure trend, and in the case of the Piedmont this trend is northeast to southwest (NE-SW). Typically, fracture traces occur in two orthogonal sets that are approximately perpendicular (i.e. one set is oriented north-south [N-S] with a weaker second set oriented east-west [E-W]). Thus streams developed in rocks where fractures exhibit control over surface water features will display a "stair-step" pattern.

The fracture trace bearings were used to construct a rose diagram (Figure 3.3) indicating a dominant north-northwest/south southeast (NNW/SSE) fracture set, with a weaker subparallel east-northeast/west-southwest (ENE/WSW) set. When coupled with the local topography, the fracture patterns suggest that site groundwater flows towards the east-southeast. This is consistent with historical groundwater flow directions for the site determined from depth to water measured in on site groundwater monitoring wells.

3.3 Soil Analytical Results

A total of 30 soil samples were collect from 22 boring locations to evaluate the potential for VOCs impacted soil in the four areas of concern; 1) the Former NCDOT Laboratory and septic tank area; 2) the current asphalt laboratory area; 3) the area adjacent to the former potable water well PW-1; and 4) the septic tank percolation area. Results of the soil samples collected during the investigation are summarized on Table 3.1.

3.3.1 Former North Carolina Department of Transportation Laboratory and Septic Tank Area

Soil borings SB-1 through SB-18 were advanced around the location of the former NCDOT laboratory and septic tank area. Each boring was advanced to DPT refusal (between 14 to 23 ft bls). A total of 24 soil samples were collected in the area. The investigation revealed the following:

- Two out of three NCDOT target compounds were detected in soil samples above their Inactive Hazardous Sites Branch's (IHSB) Protection of Groundwater Soil Remediation Goals (SRGs), including carbon tetrachloride and TCE. TCE was also detected above its IHSB Preliminary Health-Based SRGs
- Three non-NCDOT target compound VOCs were detected above their Protection of Groundwater SRG including 1,2,3-trichloropropane (1,2,3-TCP), benzene, and vinyl chloride (vinyl chloride is a daughter product of TCE). . 1,2,3-TCP and bromomethane were detected in soil above their IHSB Preliminary Health-Based SRGs
- TCE was detected in soil samples collected from 9 of 18 borings located near the former NCDOT laboratory. Three soil samples had concentrations of TCE above the IHSB Health-Based SRG of 2,800 micrograms per kilogram (µg/kg) including SB-8 (10-12 ft bls), SB-8 (18-20 ft bls), and SB-14 (16-18 ft bls) with concentrations of 3,320 µg/kg, 5,710 µg/kg, and 2,890 µg/kg, respectively. A TCE isoconcentration map for soil is provided as Figure 3.4.
- The horizontal extent of soil impacted with TCE above its Protection of Groundwater SRG (18 µg/kg) covers an area of approximately 5,500 square feet (110 ft by 50 ft).
- TCE impacted soil extends at least to DPT refusal (up to 23 ft bls) in the central source area. However, elevated TCE concentrations in groundwater immediately down gradient (see section 3-4) suggests TCE impacted soil extends to the water table (approximately 35 ft bls).
- Carbon tetrachloride (7.45 µg/kg) and vinyl chloride (14.9 µg/kg) were detected in one sample collected from boring SB-4 above their Protection of Groundwater SRGs of 2 and 0.19 µg/kg, respectively.
- No VOCs were detected above laboratory reporting limits in soil collected from borings SB-1, SB-2, SB-3, SB-6, SB-9, SB-15, SB-16, SB-17, and SB-18.
- PCE was not detected in soil samples collected near the former NCDOT laboratory.
- 1,2,3-TCP, benzene, and bromomethane are not NCDOT target VOCs . Historically, 1,2,3-TCP was used as a paint and varnish remover, cleaning and degreasing agent, and a cleaning and maintenance solvent (NTP, 2005). Benzene is a natural part of crude oil and gasoline, and is widely used to make plastics, resins, synthetic fibers, lubricants, dyes, detergents, drugs, and pesticides (ATSDR, 2007). Bromomethane is used to kill a variety of pests including rats, insects, and fungi (ATSDR, 1992).

3.3.2 Current Asphalt Laboratory Area

Soil borings SB-20 and SB-22 were advanced at the southwest and southeastern corners of the current laboratory, respectively. Two samples were collected from boring SB-20 at depths of 6-8 ft bls and 12-14 ft bls. Two samples were also collected from boring SB-22 at depths of 6-8 ft bls and 10-12 ft bls. The laboratory results are summarized below:

- PCE was detected in soil samples SB-20 (6-8 ft bls) and SB-20 (12-14 ft bls) with concentrations of 625 µg/kg and 692 µg/kg, respectively. The concentrations exceed the IHSB Health-Based SRG (550 µg/kg) and Protection of Groundwater SRG (5 µg/kg). No other compounds were detected in soil samples SB-20 (6-8 ft bls) and SB-20 (12-14 ft bls).
- Four VOCs were detected in soil samples collected from boring SB-22, including TCE, isopropylbenzene, naphthalene, and sec-butylbenzene. However, the concentration of the four VOCs are below both the Health-Based and Protection of Groundwater SRGs.

3.3.3 Former Potable Water Well Area

Soil boring SB-19 was advanced to 27 ft bls adjacent to the former potable water well PW-1. One sample, SB-19 (20-22 ft bls), was collected for analysis of VOCs. Toluene was the only VOC detected in the sample with a concentration of 9.05 µg/kg. The concentration of toluene is well below its IHSB Health-Based SRG (820,000 µg/kg) and Protection of Groundwater SRG (5,500 µg/kg). No other VOCs were detected above reporting limits.

3.3.4 Septic Tank Percolation Area

Soil boring SB-21 was advanced near the septic tank percolation area on the western side of the Site to 18 ft bls. One soil sample was collected for laboratory analysis at 14-16 ft bls. No VOCs were detected above laboratory reporting limits.

3.4 Site Hydrogeology

Groundwater elevation data collected on June 18, 2010 is presented in Table 2.1 and was used to prepare the groundwater potentiometric surface elevation contour map of the surficial aquifer (Figure 3.5) and shallow bedrock aquifers (Figure 3.6). Groundwater in the surficial and bedrock aquifers flows generally east toward an unnamed tributary of the Haw River.

3.5 Groundwater Analytical Results

Groundwater samples were collected from site monitoring wells in April and July 2010. The analytical results are summarized in Table 3.2. Field parameters, including temperature, DO, pH, conductivity, and ORP were recorded during the sampling events and are presented in Table 3.3.

The following is a summary of the April and July 2010 groundwater monitoring results:

- TCE was detected at concentrations above the North Carolina Administrative Code 2L Groundwater Standard (2L Standard) of 3 micrograms per liter (µg/L) in monitoring wells 48MW-1 (150 µg/L), 48MW-3 (3.5J µg/L), 48MW-15 (15 µg/L), 48MW-16 (1,060 µg/L), and 48DW-2 (42 µg/L). TCE was detected in all three PDB samples deployed in 48DW-5 with concentrations of 313 µg/L, 283 µg/L, and 356 µg/L at depths of 60 ft bls, 80 ft bls, and 100 ft bls, respectively.
- The horizontal extent of the TCE plume exceeding the 2L Standard is defined by the monitoring well network and is within the capture zone of the pump and treat system. Isoconcentration maps of TCE in the surficial and bedrock aquifers are presented on Figures 3.7 and 3.8, respectively.
- 1,1,1-TCA was detected in groundwater collected from on-site monitoring wells 48MW-1 (10 µg/L), 48MW-3 (2.0 µg/L), and 48DW-2 (4.9 µg/L), at concentrations below its 2L Standard of 200 µg/L.

- 1,1-dichloroethene (1,1-DCE), a daughter product of both TCE and 1,1,1-TCA, was also detected in groundwater at concentrations above its 2L Standard of 7 µg/L in monitoring wells 48MW-1 (48 µg/L), 48MW-3 (7.1 µg/L), 48MW-15 (9.6 µg/L), 48MW-16 (84.8 µg/L), and 48DW-2 (22 µg/L). 1,1-DCE was detected above its 2L Standard in all three PDB samples deployed in 48DW-5 with concentrations of 30.2 µg/L (60 ft bls), 27.4 µg/L (80 ft bls), and 28.2 µg/L (100 ft bls).
- 1,1-dichloroethane, a daughter product of 1,1,1-TCA, was detected in monitoring well 48MW-3 with a concentration of 6.5 µg/L, above its 2L Standard of 6 µg/L.
- cis-1,2-Dichloroethene was the only other TCE daughter product detected in groundwater and concentrations were below its 2L Standard. No other daughter products of 1,1,1-TCA were detected in groundwater on-site.
- PCE was detected in groundwater collected from monitoring wells 48MW-1 (9.5 µg/L), 48MW-3 (5.0 µg/L), and 48MW-15 (3.5 J µg/L) at concentrations above its 2L Standard of 0.7 µg/L. According to the NCDOT, PCE was not used during their operation of the asphalt testing laboratory.
- Ethylbenzene, Isopropylbenzene, o-Xylene, and sec-Butylbenzene were detected in groundwater collected from on-site monitoring wells at concentrations below 2L Standards. These non-target NCDOT compounds are commonly associated with petroleum products.
- 1,3,5-Trimethylbenzene and Acetone were detected in groundwater collected from on-site monitoring wells at concentrations below 2L Standards and are non-target compound.

4.0 Conclusions

The average TCE concentration in the groundwater treatment system influent since 2004 (240 µg/L) is more than twice that observed in well MW-1, which has the highest impacts among the Site monitoring wells. The TCE concentration trend in treatment system influent appears to be stable indicating a likely residual TCE source. The disparity between the average influent concentration and that observed in well MW-1 is likely explained by the identification of the TCE impacted soil source area near the location of the former NCDOT laboratory.

The following conclusions were made based on field measurements and laboratory analytical data from the April and July 2010 sampling event and previous sampling events.

- Based on the fracture trace analysis, dominant fracture traces in the area trend NNW/SSE with a weaker ENE/WSW, subparallel set. When coupled with the local topography, these findings indicate that the likely direction of groundwater flow at the site is toward the east-southeast. This is consistent with historical groundwater flow directions for the site determined from depth to water measured in on site groundwater monitoring wells.
- No evidence of diabase dikes was observed during the geologic field reconnaissance nor was evidence diabase observed during drilling monitoring well borings.
- TCE was detected in half of the soil borings located near the former NCDOT laboratory with a maximum concentration of 5,710 µg/kg at SB-8 (18-20 ft bls). The horizontal extent of soil impacted with TCE above its Protection of Groundwater SRG (18 µg/kg) is approximately 5,500 square feet (110 feet by 50 feet) and extends to at least 23 ft bls in the central source area. However, elevated TCE concentrations in monitoring well 48MW-16 immediately down gradient suggests TCE impacted soil extends to the water table (approximately 35 ft bls).
- TCE was not detected in soil above its Health-Based or Protection of Groundwater SRGs in any area other than the former NCDOT laboratory area.
- PCE was detected in soil collected at the southwest corner of the current laboratory above its Health-Based and Protection of Groundwater SRGs. PCE was not detected in soil from any other location during this assessment. In addition, NCDOT records indicate PCE was not used during operation of the former NCDOT asphalt testing laboratory. However, the NCDOT target compound TCE is a daughter product of PCE.
- Groundwater in the surficial and bedrock aquifers flows generally east-southeast toward an unnamed tributary of the Haw River.
- The horizontal extent of the TCE plume exceeding the 2L Standard is generally defined by the monitoring well network and captured by the pump and treat system.
- PCE was detected in groundwater collected from monitoring wells 48MW-1 (9.5 µg/L), 48MW-3 (5.0 µg/L), and 48MW-15 (3.5 J µg/L) at concentrations above its 2L Standard. According to NCDOT, PCE was not used during their operation of the asphalt testing laboratory and could be an additional source of TCE and its daughter products.

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Tables

AECOM

Table 2.1
Well Construction and Groundwater Elevation
NCDOT - Former Asphalt Plant Site
Pittsboro, North Carolina

Well	Installation Date	Total Depth (ft bgs)	Screened Interval (ft bgs)	Top of Casing Elevation (ft msl)	Depth To water (ft bTOC)	Groundwater Elevation (ft msl)
48MW-1	11/14/1996	50	36-46	405.80	32.99	372.81
48MW-2	11/14/1996	50	40-50	404.41	30.31	374.10
48MW-3	11/14/1996	56	40-50	408.31	33.96	374.35
48MW-4R	11/13/1996	36	26-36	409.33	21.21	388.12
48MW-5	11/12/1996	35	25-35	411.04	22.35	388.69
48MW-10	3/3/1997	40	30-40	405.61	24.61	381.00
48MW-11R	3/31/2004	30	20-30	400.30	28.19	372.11
48MW-12	4/17/1997	37.5	27.5-37.5	383.37	11.62	371.75
48MW-13	4/17/1997	32.5	22.5-32.5	378.28	9.36	368.92
48MW-14	4/1/2000	27.5	22.5-27.5	393.49	19.28	374.21
48MW-15	2/6/2002	13.6	3.6-13.6	380.81	9.00	371.81
48MW-16	6/9/2010	45	35-45	410.44	37.17	373.27
48MW-17	6/9/2010	35	25-35	402.92	14.90	388.02
48DW-1	1/15/1997	100	63-100*	405.29	1.95	403.34
48DW-2	4/24/1997	66	43-66*	402.48	29.78	372.70
48DW-3	7/26/1999	125	115-125	399.26	26.31	372.95
48DW-4	2/18/2002	125	115-125	381.79	11.24	370.55
48DW-5	6/9/2010	102	43-102*	407.80	34.51	373.29

Notes:
bgs - below ground surface.
ft - feet.
bTOC - below top of casing.
msl - mean sea level.
*Open-rock well from the bottom of the surface casing to the bottom of the borehole.
All groundwater measurements were collected on June 18, 2010.

AECOM

Table 3.1
Summary of Soil Analytical Results
NCDOT - Former Asphalt Plant Site
Pittsboro, North Carolina

Sample ID	Preliminary	Protection of	SB-1	SB-2	SB-3	SB-4			SB-5	SB-6	SB-7		SB-8			SB-9	SB-10	SB-11	SB-12	SB-13	SB-14		SB-15	SB-16	SB-17	SB-18	SB-19	SB-20		SB-21	SB-22	
Depth (ft bls)	Health-Based	Groundwater	(8-10)	(10-12)	(6-8)	(4-6)	(12-14)	(20-22)	(14-16)	(12-14)	(8-10)	(14-16)	(10-12)	(14-16)	(18-20)	(12-14)	(8-10)	(12-14)	(4-6)	(14-16)	(10-12)	(16-18)	(12-14)	(6-8)	(20-22)	(8-10)	(20-22)	(6-8)	(12-14)	(14-16)	(6-8)	(10-12)
Constituent (µg/kg)																																
1,1,1-Trichloroethane	640000	1200	<6.28	<6.18	<6.47	**16.2**	<64.6	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
1,1,2-Trichloroethane	1100	--	<6.28	<6.18	<6.47	**394**	<64.6	<5.62	<5.11	<5.86	<29.6	**14.9**	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
1,2,3-Trichloropropane	5	0.03	<6.28	<6.18	<6.47	**87**	<64.6	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
1,2,4-Trimethylbenzene	12000	6700	<6.28	<6.18	<6.47	**256**	<64.6	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
1,3,5-Trimethylbenzene	160000	6700	<6.28	<6.18	<6.47	**86.9**	<64.6	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
Acetone	12000000	24000	<62.8	<61.8	<64.7	<82.3	**5710**	<56.2	<51.1	<58.6	<740	<50.9	<6100	<2710	<14300	<68.8	<1610	<78.5	<80.7	<1250	<1410	<5410	<50.5	<96.9	<57.1	<66.7	<71.5	<1670	<1430	<65.3	<63.5	<59.9
Benzene	1100	7.30	<6.28	<6.18	<6.47	<8.23	**341**	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
Bromobenzene	59000	--	<6.28	<6.18	<6.47	<8.23	**25.7**	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
Bromochloromethane	--	--	<6.28	<6.18	<6.47	<8.23	**11.8**	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
Bromodichloromethane	270	--	<6.28	<6.18	<6.47	<8.23	**255**	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
Bromoform	62000	--	<6.28	<6.18	<6.47	<8.23	**995**	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
Bromomethane	1500	--	<6.28	<6.18	<6.47	<8.23	**2890**	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
Carbon disulfide	160000	3800	<6.28	<6.18	<6.47	<8.23	**28.5**	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
Carbon tetrachloride	250	2	<6.28	<6.18	<6.47	<8.23	**7.45**	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
Chlorobenzene	59000	450	<6.28	<6.18	<6.47	<8.23	**23.4**	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
Chloroethane	2100000	16000	<6.28	<6.18	<6.47	<8.23	**9.5**	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
Isopropylbenzene	--	--	<6.28	<6.18	<6.47	<8.23	<64.6	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	**7.45**
m,p-Xylene	390000	6000	<12.6	<12.4	<12.9	**3320**	<129	<11.2	<10.2	<11.7	<59.2	<10.2	<488	<217	<1140	<13.8	<129	<15.7	<16.1	<99.9	<113	<433	<10.1	<19.4	<11.4	<13.3	<14.3	<134	<114	<13.1	<12.7	<12
Methyl ether ketone	5600000	16000	<31.4	<30.9	<32.4	<41.1	**9.05**	<28.1	<25.6	<29.3	<740	<25.5	<6100	<2710	<14300	<34.4	<1610	<39.2	<40.3	<1250	<1410	<5410	<25.3	<48.5	<28.5	<33.3	<35.7	<1670	<1430	<32.6	<31.7	<30
Naphthalene	3600	210	<6.28	<6.18	<6.47	<8.23	<64.6	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	**23.4**
n-Butylbenzene	--	4300	<6.28	<6.18	<6.47	<8.23	**625**	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
o-Xylene	430000	60000	<6.28	<6.18	<6.47	**897**	<64.6	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
sec-Butylbenzene	--	3300	<6.28	<6.18	<6.47	<8.23	**692**	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	**48**	**28.5**
tert-Butylbenzene	--	3400	<6.28	<6.18	<6.47	<8.23	**48**	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
Tetrachloroethene	550	5	<6.28	<6.18	<6.47	<8.23	<64.6	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	**625**	**692**	<6.53	<6.35	<5.99
Toluene	820000	5500	<6.28	<6.18	<6.47	<8.23	<64.6	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	**9.05**	<66.9	<57.2	<6.53	<6.35	<5.99
Trichloroethene	2800	18	<6.28	<6.18	<6.47	**120**	**394**	**29**	**87**	<5.86	**256**	**86.9**	**3320**	**897**	**5710**	<6.88	**341**	**25.7**	**11.8**	**255**	**995**	**2890**	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	**9.5**
Trichlorofluoromethane	160000	24000	<6.28	<6.18	<6.47	**29**	<64.6	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99
Vinyl chloride	60	0.19	<6.28	<6.18	<6.47	**14.9**	<64.6	<5.62	<5.11	<5.86	<29.6	<5.09	<244	<108	<572	<6.88	<64.4	<7.85	<8.07	<50	<56.5	<217	<5.05	<9.69	<5.71	<6.67	<7.15	<66.9	<57.2	<6.53	<6.35	<5.99

Notes:
All samples were analyzed for volatile organic compounds by USEPA method 8260b.
Only detected compounds shown.
Samples were collected in April 2010.
µg/kg - micrograms per kilogram.
-- - no standard.
< - constituent detected below the laboratory reporting limit shown.
Bold - constituent detected above the laboratory reporting limit.
Constituent detected concentration exceeds North Carolina Department of Environmental and Natural Resources, Inactive Hazardous Sites Branch, Preliminary Health-Based Remediation Soil Goals (January 2010).
Constituent detected concentration exceeds North Carolina Department of Environmental and Natural Resources, Inactive Hazardous Sites Branch, Protection of Groundwater Remediation Soil Goals (January 2010).

Table 3.2
Summary of Groundwater Analytical Results
NCDOT - Former Asphalt Plant Site
Pittsboro, North Carolina

Analyte	2L Standard	48MW-1	48MW-2	48MW-3	48MW-4R	48MW-5	48MW-10	48MW-11R	48MW-12	48MW-13	48MW-14	48MW-15	48MW-16	48MW-17	48DW-1	48DW-2	48DW-3	48DW-4	48DW-5 (60 ft bls)	48DW-5 (80 ft bls)	48DW-5 (100 ft bls)
		04/27/10	04/26/10	04/26/10	04/26/10	04/27/10	04/27/10	04/27/10	NA	04/27/10	04/27/10	04/27/10	07/06/10	04/26/10	04/26/10	04/27/10	04/27/10	04/27/10	07/09/10	07/09/10	07/09/10
1,1,1-Trichloroethane	200	**10**	<5.0	**2.0 J**	<5.0	<5.0	<5.0	<5.0	NS	<5.0	<5.0	<5.0	<80	<1	<5.0	**4.9 J**	<5.0	<5.0	<20	<20	<20
1,1-Dichloroethane	6	**4.7 J**	<5.0	**6.5**	<5.0	<5.0	<5.0	<5.0	NS	<5.0	<5.0	**3.0 J**	<80	<1	<5.0	**5.7**	<5.0	<5.0	<20	<20	<20
1,1-Dichloroethene	7	**48**	<5.0	**7.1**	<5.0	<5.0	<5.0	<5.0	NS	<5.0	<5.0	**9.6**	**84.8**	<1	<5.0	**22**	<5.0	<5.0	**30.2**	**27.4**	**28.2**
1,3,5-Trimethylbenzene	400	<5.0	<5.0	<5.0	<5.0	**2.6 J**	<5.0	<5.0	NS	<5.0	<5.0	<5.0	<80	<1	<5.0	<5.0	<5.0	<5.0	<20	<20	<20
Acetone	6000	<50	<50	<50	<50	<50	<50	<50	NS	**9.8 J**	<50	<50	<2000	<25	**21 J**	<50	<50	<50	<500	<500	<500
cis-1,2-Dichloroethene	70	**3.4 J**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NS	<5.0	<5.0	**3.4 J**	<80	<1	<5.0	**7.4**	<5.0	<5.0	<20	<20	<20
Ethylbenzene	600	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NS	<5.0	<5.0	<5.0	<80	<1	<5.0	<5.0	<5.0	**0.46 J**	<20	<20	<20
Isopropylbenzene	70	<5.0	<5.0	<5.0	<5.0	**1.9 J**	<5.0	<5.0	NS	<5.0	<5.0	<5.0	<80	<1	<5.0	<5.0	<5.0	<5.0	<20	<20	<20
o-Xylene	500	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NS	<5.0	<5.0	<5.0	<80	<1	<5.0	<5.0	<5.0	**3.0 J**	<20	<20	<20
sec-Butylbenzene	70	<5.0	<5.0	<5.0	<5.0	**2.7 J**	<5.0	<5.0	NS	<5.0	<5.0	<5.0	<80	<1	<5.0	<5.0	<5.0	<5.0	<20	<20	<20
Tetrachloroethene	0.7	**9.5**	<5.0	**5.0**	<5.0	<5.0	<5.0	<5.0	NS	<5.0	<5.0	**3.5 J**	<80	<1	<5.0	<5.0	<5.0	<5.0	<20	<20	<20
Trichloroethene	3	**150**	<5.0	**3.5 J**	<5.0	<5.0	<5.0	**2.0 J**	NS	<5.0	<5.0	**15**	**1060**	<1	<5.0	**42**	<5.0	**2.2 J**	**313**	**283**	**356**

Notes:
All samples were analyzed for volatile organic compounds by USEPA method 8260b.
2L Standard- Title 15A North Carolina Administrative Code (NCAC) Subchapter 2L Groundwater Quality Standards (January 2010).
J - estimated value detected below reporting limits and above the method detection limit.
< - constituent was not detected above the quantitation limit.
NS - Well not sampled. Water level too low to sample.
All results are reported in micrograms per liter (µg/L).
Constituents detected above NCAC 2L Groundwater Standard are shaded.

AECOM

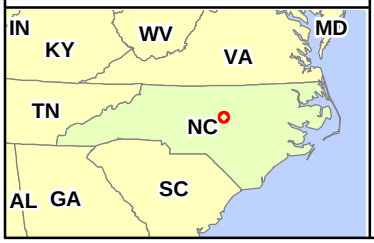
Table 3.3
Summary of Field Parameters
NCDOT - Former Asphalt Plant Site
Pittsboro, North Carolina

Monitoring Well	Sampling Date	Temperature (ºC)	pH (SU)	Dissolved Oxygen (mg/L)	Specific Conductivity (umhos/cm)	Oxidation-Reduction Potential (mV)
48MW-1	04/27/10	17.43	6.18	0.40	261	101.1
48MW-2	04/26/10	18.34	5.81	1.93	187	111.8
48MW-3	04/26/10	17.82	6.13	1.10	251	130.9
48MW-4R	04/26/10	18.36	5.80	1.86	349	147.7
48MW-5	04/27/10	19.92	6.06	1.18	310	-54.6
48MW-10	04/27/10	17.98	5.63	1.75	130	230.9
48MW-11R	04/27/10	15.27	6.37	5.97	192	212.3
48MW-13	04/27/10	16.21	7.22	3.21	385	155.7
48MW-14	04/27/10	16.40	6.72	4.84	233	82.7
48MW-15	04/27/10	14.08	6.00	0.77	231	93.8
48MW-16	07/09/10	19.05	5.98	0.33	192	303.4
48MW-17	07/09/10	15.86	4.07	2.09	200	442.5
48DW-1	04/26/10	21.74	6.37	0.68	74	160.7
48DW-2	04/27/10	15.82	7.10	1.08	399	239.7
48DW-3	04/27/10	16.36	7.89	0.40	261	154.7
48DW-4	04/27/10	15.63	7.88	1.33	294	-10.7

Notes:
ºC - degrees Ceslius
mg/L - milligrams per liter
mV - millivolts
SU - standard units
umhos/cm - microsiemens per centimeter

Figures

Map Location



Site Location Map

Former NCDOT Asphalt Testing Site No. 6-48
240 Sugar Lake Road
Pittsboro, North Carolina

Merry Oaks, NC USGS Topographic Quadrangle (1983)

0 2,000 4,000 Feet

N

September 2, 2010

60154105.6

Figure 1.1

AECOM North Carolina Inc.
8540 Colonnade Center Drive, Suite 306
Raleigh, NC 27615
Phone: (919) 872-6600
Fax: (919) 872-7996
Web: http://www.aecom.com

LEGEND

- EDGE OF WOODS
- CREEK WITH FLOW DIRECTION
- 6' CHAIN LINK FENCE
- CURB & GUTTER
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY WIRES
- UTILITY POLE
- UTILITY POLE WITH DROP
- GUY WIRE / ANCHOR
- WATER VALVE
- TELEPHONE PEDESTAL

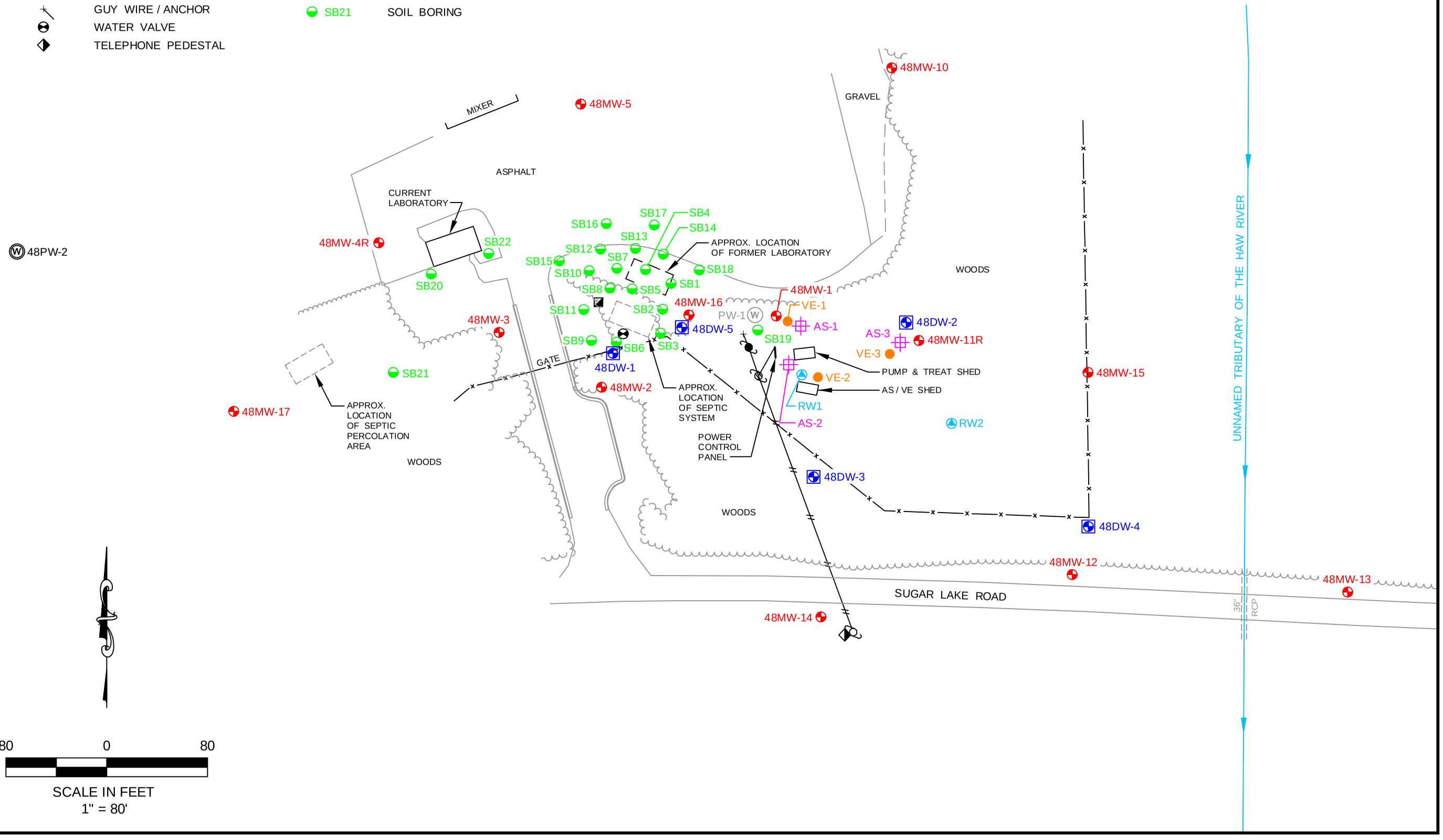
- 48PW-2 — POTABLE WATER WELL (ACTIVE)
- PW-1 — POTABLE WATER WELL (ABANDONED)
- 48MW-17 — MONITORING WELL SCREENED IN SAPROLITE
- 48DW-5 — MONITORING WELL SCREENED IN BEDROCK
- RW2 — RECOVERY WELL
- AS-1 — AIR SPARGE WELL
- VE-1 — VAPOR EXTRACTION WELL
- SB21 — SOIL BORING

ABBREVIATIONS

AS	AIR SPARGE
VE	VAPOR EXTRACTION

NOTES

1. LOCATIONS OF AIR SPARGE WELLS AND VAPOR EXTRACTION WELLS ARE APPROXIMATE.



REVISIONS			
NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY:
DRAWN BY: KLR
CHECKED BY:
APPROVED BY:

AECOM

AECOM North Carolina, Inc.
RALEIGH, NORTH CAROLINA 27615
PHONE: (919) 872-6600
FAX: (919) 872-7996
WEB: HTTP://WWW.AECOM.COM

SITE PLAN

Former NCDOT Asphalt Testing Site No. 6-48
240 Sugar Lake Road, Pittsboro, North Carolina

PROJECT NUMBER: 60154105.6
DATE: 9/21/10
SCALE: 1"=80'

FIGURE NUMBER: 1.2

SHEET NUMBER: B100408B

LEGEND

- EDGE OF WOODS
- 6' CHAIN LINK FENCE
- CURB & GUTTER
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY WIRES
- UTILITY POLE
- UTILITY POLE WITH DROP
- GUY WIRE / ANCHOR
- WATER VALVE
- TELEPHONE PEDESTAL
- SB21 SOIL BORING

SCALE IN FEET
30 0 30
1" = 30'

MIXER
CURRENT LABORATORY
SB22
SB20
SB21
WOODS
GATE
SB15
SB11
SB9
SB6
SB10
SB8
SB12
SB7
SB5
SB13
SB4
SB14
SB3
SB2
SB1
SB16
SB17
SB18
APPROXIMATE LOCATION OF FORMER LABORATORY
APPROXIMATE LOCATION OF SEPTIC SYSTEM
ASPHALT
WOODS
SB19
POWER CONTROL PANEL
AS / VE SHED
PUMP & TREAT SHED
GRAVEL

FIGURE NUMBER: 2.1

SHEET NUMBER: B100412B

SOIL SAMPLE LOCATION MAP

Former NCDOT Asphalt Testing Site No. 6-48
Sugar Lake Road, Pittsboro, North Carolina

SCALE:	DATE:	PROJECT NUMBER:
1"=30'	9/21/10	60154105.6

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FAX: (919) 872-7996
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DESIGNED BY:	REVISIONS			
	NO.:	DESCRIPTION:	DATE:	BY:
DRAWN BY:				
KLR				
CHECKED BY:				
APPROVED BY:				

LEGEND

- EDGE OF WOODS
- CREEK WITH FLOW DIRECTION
- 6' CHAIN LINK FENCE
- CURB & GUTTER
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY WIRES
- UTILITY POLE
- UTILITY POLE WITH DROP
- GUY WIRE / ANCHOR
- WATER VALVE
- TELEPHONE PEDESTAL

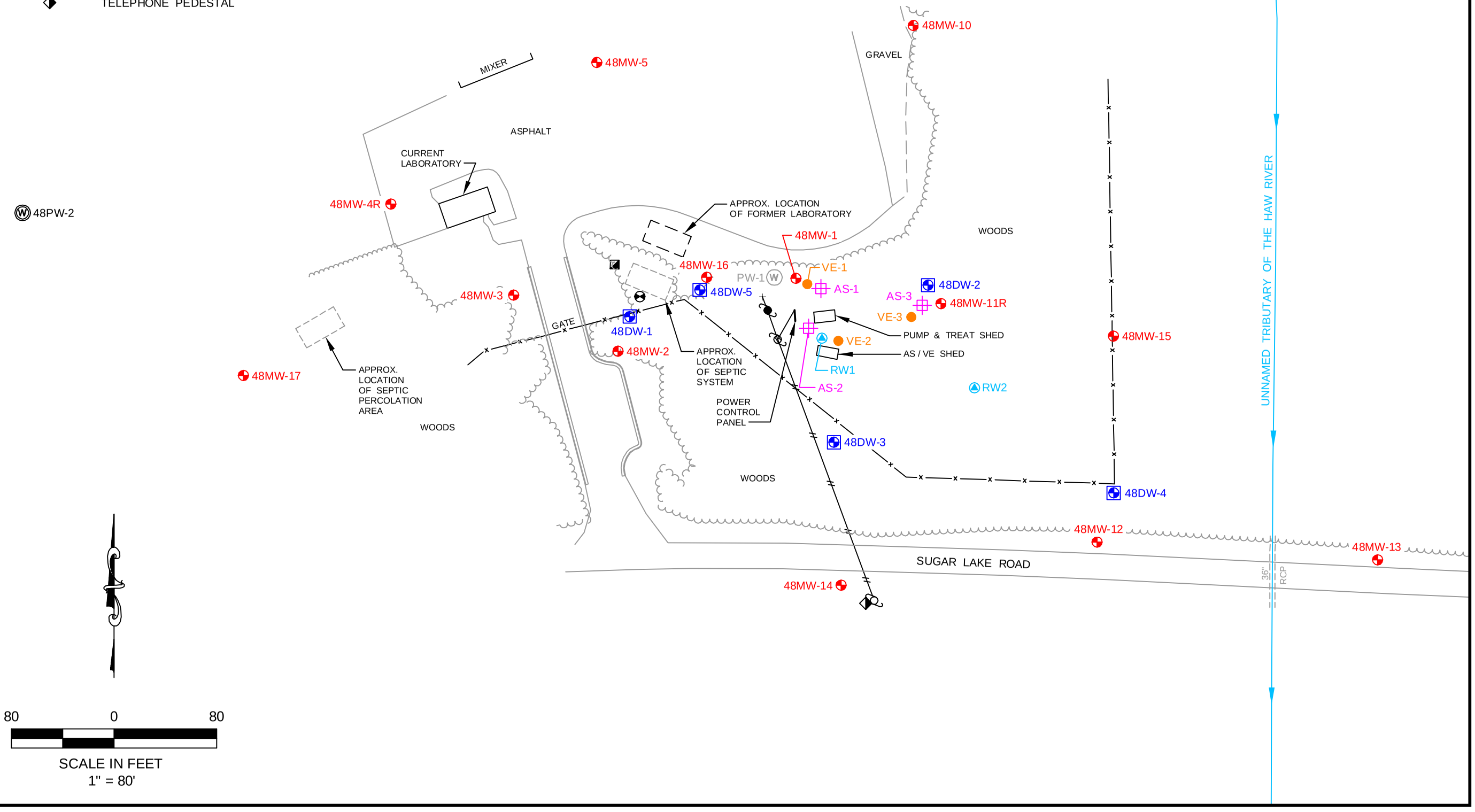
- 48PW-2 — POTABLE WATER WELL (ACTIVE)
- PW-1 — POTABLE WATER WELL (ABANDONED)
- 48MW-17 — MONITORING WELL SCREENED IN SAPROLITE
- 48DW-5 — MONITORING WELL SCREENED IN BEDROCK
- RW2 — RECOVERY WELL
- AS-1 — AIR SPARGE WELL
- VE-1 — VAPOR EXTRACTION WELL

ABBREVIATIONS

AS	AIR SPARGE
VE	VAPOR EXTRACTION

NOTES

1. LOCATIONS OF AIR SPARGE WELLS AND VAPOR EXTRACTION WELLS ARE APPROXIMATE.



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MONITORING WELL LOCATION MAP

Former NCDOT Asphalt Testing Site No. 6-48
Sugar Lake Road, Pittsboro, North Carolina

PROJECT NUMBER: 60154105.6
DATE: 9/21/10
SCALE: 1"=80'

FIGURE NUMBER: 2.2

SHEET NUMBER: B100411B

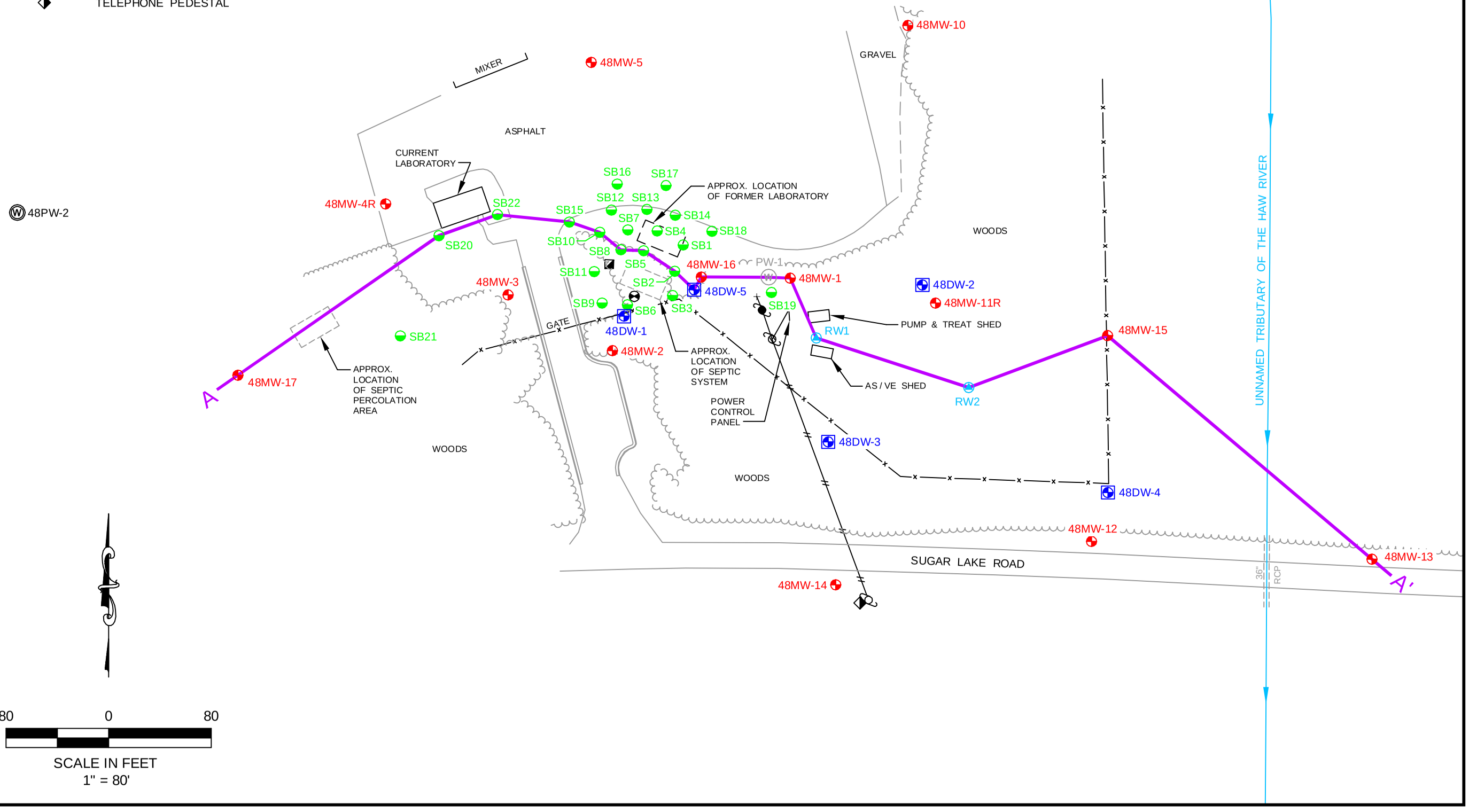
LEGEND

- EDGE OF WOODS
- CREEK WITH FLOW DIRECTION
- 6' CHAIN LINK FENCE
- CURB & GUTTER
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY WIRES
- UTILITY POLE
- UTILITY POLE WITH DROP
- GUY WIRE / ANCHOR
- WATER VALVE
- TELEPHONE PEDESTAL
- 48PW-2 — POTABLE WATER WELL (ACTIVE)
- PW-1 — POTABLE WATER WELL (ABANDONED)
- 48MW-17 — MONITORING WELL SCREENED IN SAPROLITE
- 48DW-5 — MONITORING WELL SCREENED IN BEDROCK
- RW2 — RECOVERY WELL
- SB21 — SOIL BORING
- A — A' — GEOLOGIC CROSS SECTION TRANSECT LINE

ABBREVIATIONS

AS AIR SPARGE

VE VAPOR EXTRACTION



REVISIONS			
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DESIGNED BY:

DRAWN BY: KLR

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APPROVED BY:

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GEOLOGIC CROSS SECTION MAP

Former NCDOT Asphalt Testing Site No. 6-48
Sugar Lake Road, Pittsboro, North Carolina

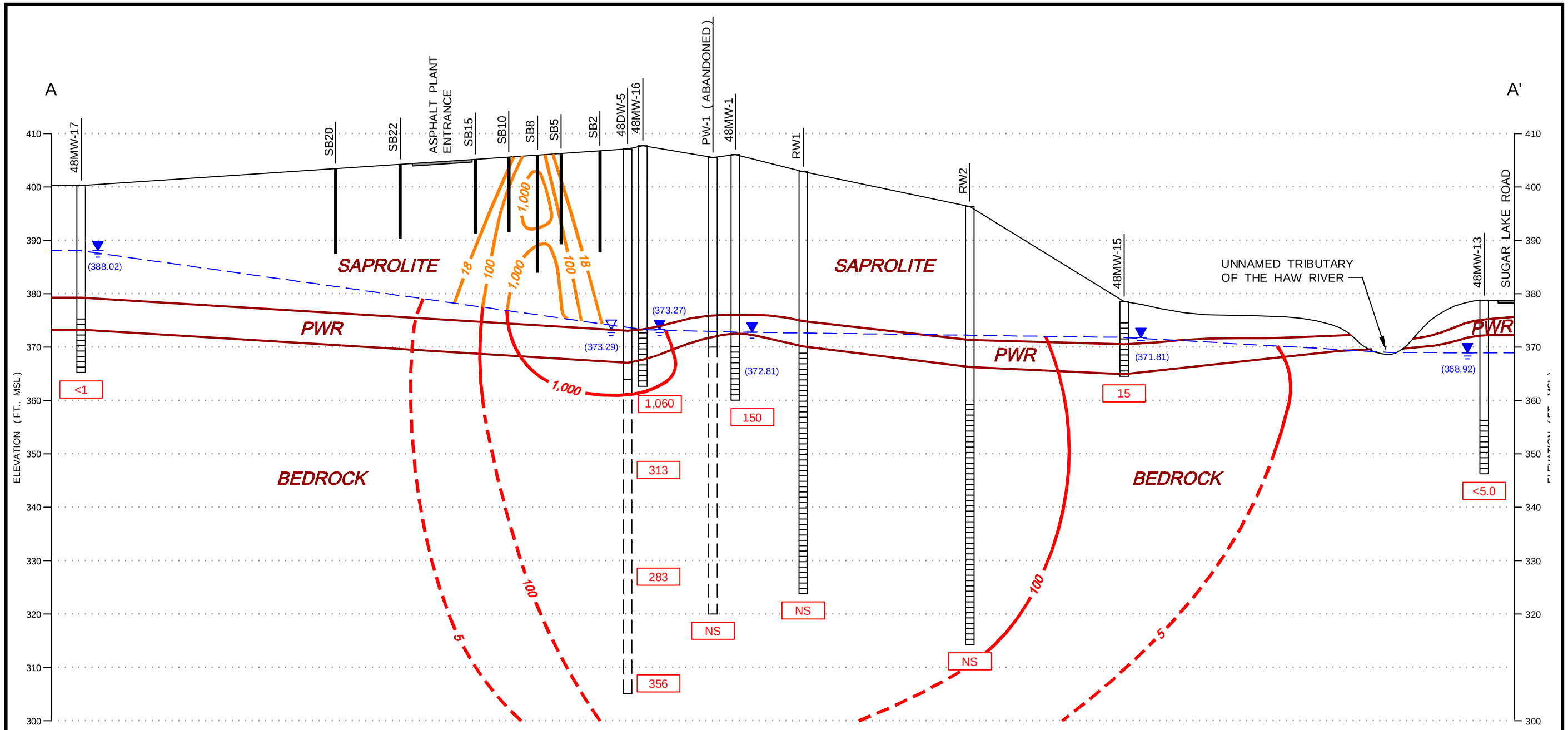
PROJECT NUMBER: 60154105.6

DATE: 9/21/10

SCALE: 1"=80'

FIGURE NUMBER: 3.1

SHEET NUMBER: B100442B



LEGEND

- MONITORING WELL
- SHALLOW GROUNDWATER OR SURFACE WATER LEVEL (FT., MSL) (DASHED WHERE INFERRED)
- (373.27) GROUNDWATER ELEVATION (JUNE 2010)
- WELL SCREEN INTERVAL
- 1,060 TCE CONCENTRATION IN MICROGRAMS PER LITER (APRIL OR JULY 2010)
- SOIL BORING
- MONITORING WELL
- BEDROCK GROUNDWATER (FT., MSL)
- (373.29) GROUNDWATER ELEVATION (JUNE 2010)
- OPEN BOREHOLE
- 5 TCE CONCENTRATION IN GROUNDWATER (ug/L)
- 18 TCE CONCENTRATION IN SOIL (ug/kg)
- PWR / BEDROCK LINE OF LITHOLOGIC CONTACT (DASHED WHERE INFERRED)

ABBREVIATIONS

NS	NOT SAMPLED
TCE	TRICHLOROETHENE
ug/kg	MICROGRAMS PER KILOGRAM
ug/L	MICROGRAMS PER LITER

NOTE

1. GROUNDWATER ELEVATION DETERMINED FROM DEPTH TO WATER MEASURED JUNE 18, 2010.
2. GROUNDWATER SAMPLES WERE COLLECTED APRIL 26-27, 2010 FOR ALL LOCATIONS EXCEPT 48MW-16 WAS COLLECTED ON JULY 6, 2010 AND 48DW-5 WAS COLLECTED ON JULY 9, 2010.

HORIZONTAL SCALE: 1" = 80'
VERTICAL SCALE: 1" = 20'
VERTICAL EXAGGERATION: 4X

REVISIONS

NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY:
DRAWN BY: KLR
CHECKED BY:
APPROVED BY:

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FAX: (919) 872-7996
WEB: HTTP://WWW.AECOM.COM

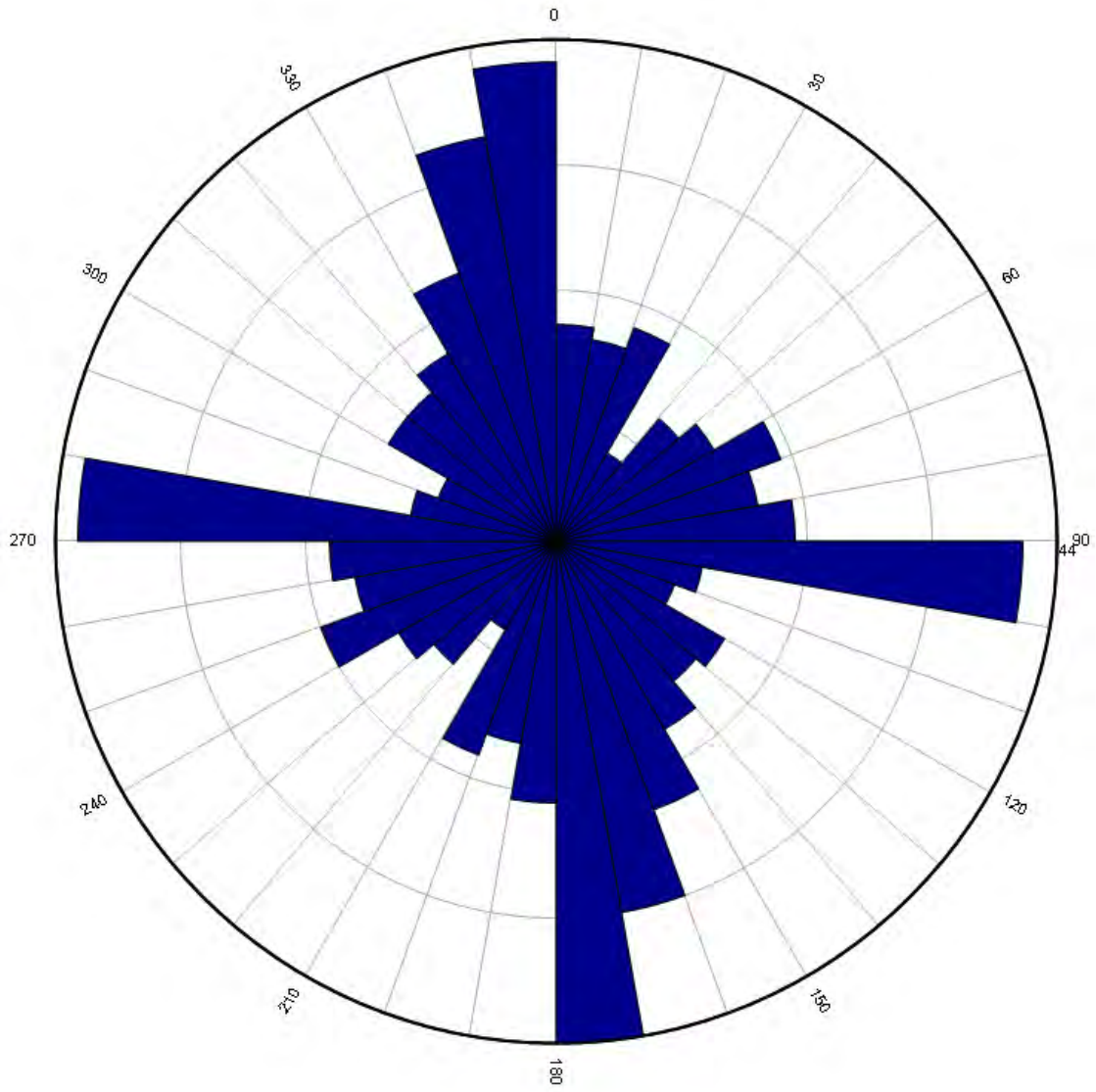
GEOLOGIC CROSS SECTION A-A'

Former NCDOT Asphalt Testing Site No. 6-48
Sugar Lake Road, Pittsboro, North Carolina

SCALE: 1"=80'
DATE: 9/21/10
PROJECT NUMBER: 60154105.6

FIGURE NUMBER: 3.2

SHEET NUMBER: D100443B



AECOM	**Former NCDOT Asphalt Testing Site No. 6-48** **240 Sugar Lake Road** **Pittsboro, North Carolina**	Fracture-Trace Analysis Rose Diagram **Figure 3.3**

LEGEND

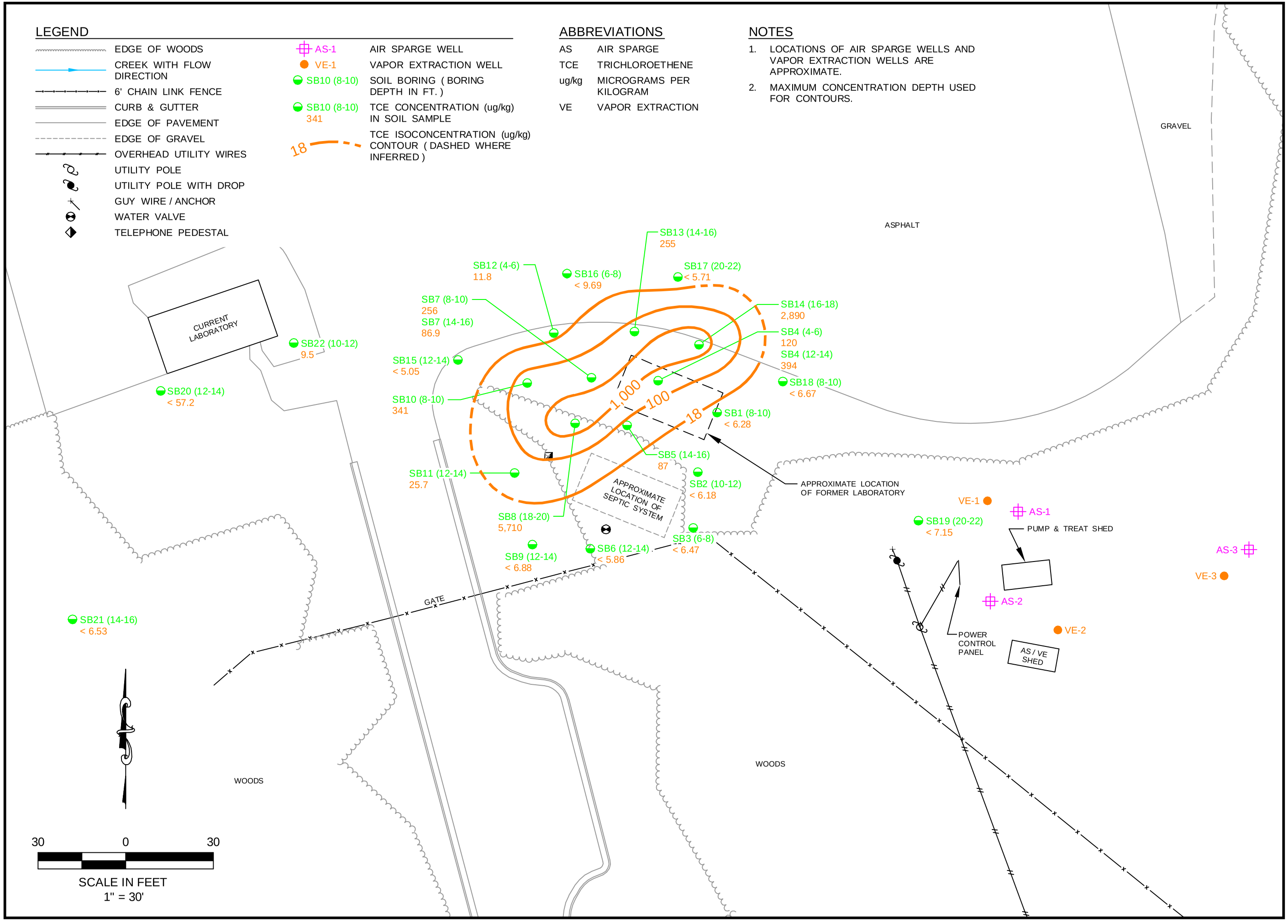
- EDGE OF WOODS
- CREEK WITH FLOW DIRECTION
- 6' CHAIN LINK FENCE
- CURB & GUTTER
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY WIRES
- UTILITY POLE
- UTILITY POLE WITH DROP
- GUY WIRE / ANCHOR
- WATER VALVE
- TELEPHONE PEDESTAL
- AS-1 — AIR SPARGE WELL
- VE-1 — VAPOR EXTRACTION WELL
- SB10 (8-10) — SOIL BORING (BORING DEPTH IN FT.)
- SB10 (8-10) 341 — TCE CONCENTRATION (ug/kg) IN SOIL SAMPLE
- 18 — TCE ISOCONCENTRATION (ug/kg) CONTOUR (DASHED WHERE INFERRED)

ABBREVIATIONS

AS	AIR SPARGE
TCE	TRICHLOROETHENE
ug/kg	MICROGRAMS PER KILOGRAM
VE	VAPOR EXTRACTION

NOTES

1. LOCATIONS OF AIR SPARGE WELLS AND VAPOR EXTRACTION WELLS ARE APPROXIMATE.
2. MAXIMUM CONCENTRATION DEPTH USED FOR CONTOURS.



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FAX: (919) 872-7996
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SOIL TCE ISOCONCENTRATION MAP JUNE 2010

Former NCDOT Asphalt Testing Site No. 6-48
Sugar Lake Road, Pittsboro, North Carolina

SCALE:	DATE:	PROJECT NUMBER:
1"=30'	9/21/10	60154105.6

FIGURE NUMBER: 3.4

SHEET NUMBER: C100415B

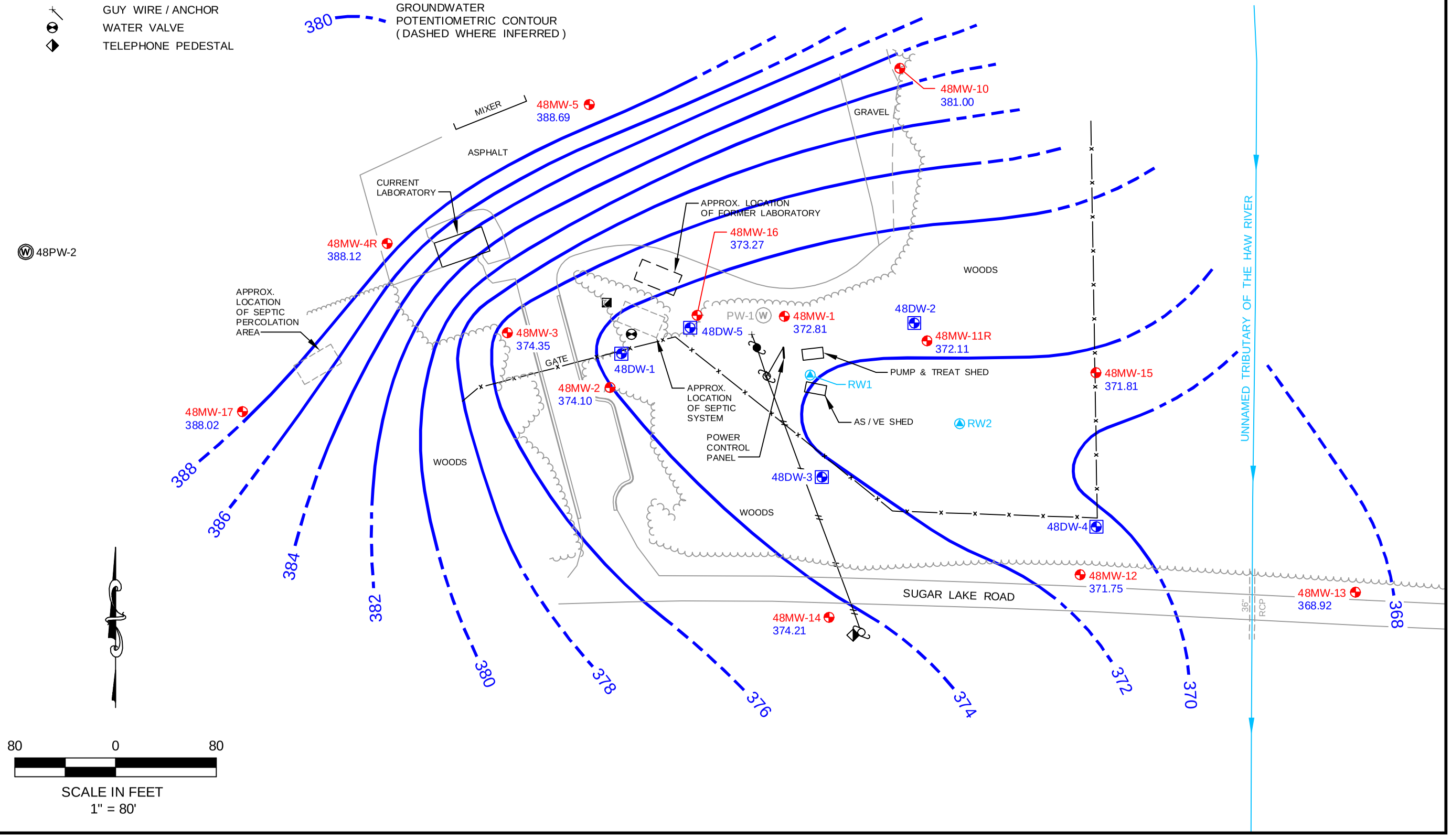
LEGEND

- EDGE OF WOODS
- CREEK WITH FLOW DIRECTION
- 6' CHAIN LINK FENCE
- CURB & GUTTER
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY WIRES
- UTILITY POLE
- UTILITY POLE WITH DROP
- GUY WIRE / ANCHOR
- WATER VALVE
- TELEPHONE PEDESTAL
- 48PW-2 — POTABLE WATER WELL (ACTIVE)
- PW-1 — POTABLE WATER WELL (ABANDONED)
- 48MW-17 — MONITORING WELL SCREENED IN SAPROLITE
- 48DW-5 — MONITORING WELL SCREENED IN BEDROCK
- RW2 — RECOVERY WELL
- 48MW-17 388.33 — GROUNDWATER ELEVATION (ft msl) AT MONITORING WELL
- 380 — GROUNDWATER POTENTIOMETRIC CONTOUR (DASHED WHERE INFERRED)

ABBREVIATIONS

AS AIR SPARGE

VE VAPOR EXTRACTION



80 0 80

SCALE IN FEET
1" = 80'

REVISIONS			
NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY:

DRAWN BY: KLR

CHECKED BY:

APPROVED BY:

AECOM

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PHONE: (919) 872-6600
FAX: (919) 872-7996
WEB: HTTP://WWW.AECOM.COM

SURFICIAL AQUIFER POTENTIOMETRIC MAP JUNE 2010

Former NCDOT Asphalt Testing Site No. 6-48
Sugar Lake Road, Pittsboro, North Carolina

PROJECT NUMBER: 60154105.6

DATE: 9/21/10

SCALE: 1"=80'

FIGURE NUMBER: 3.5

SHEET NUMBER: B100409B

LEGEND

- EDGE OF WOODS
- CREEK WITH FLOW DIRECTION
- 6' CHAIN LINK FENCE
- CURB & GUTTER
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY WIRES
- UTILITY POLE
- UTILITY POLE WITH DROP
- GUY WIRE / ANCHOR
- WATER VALVE
- TELEPHONE PEDESTAL

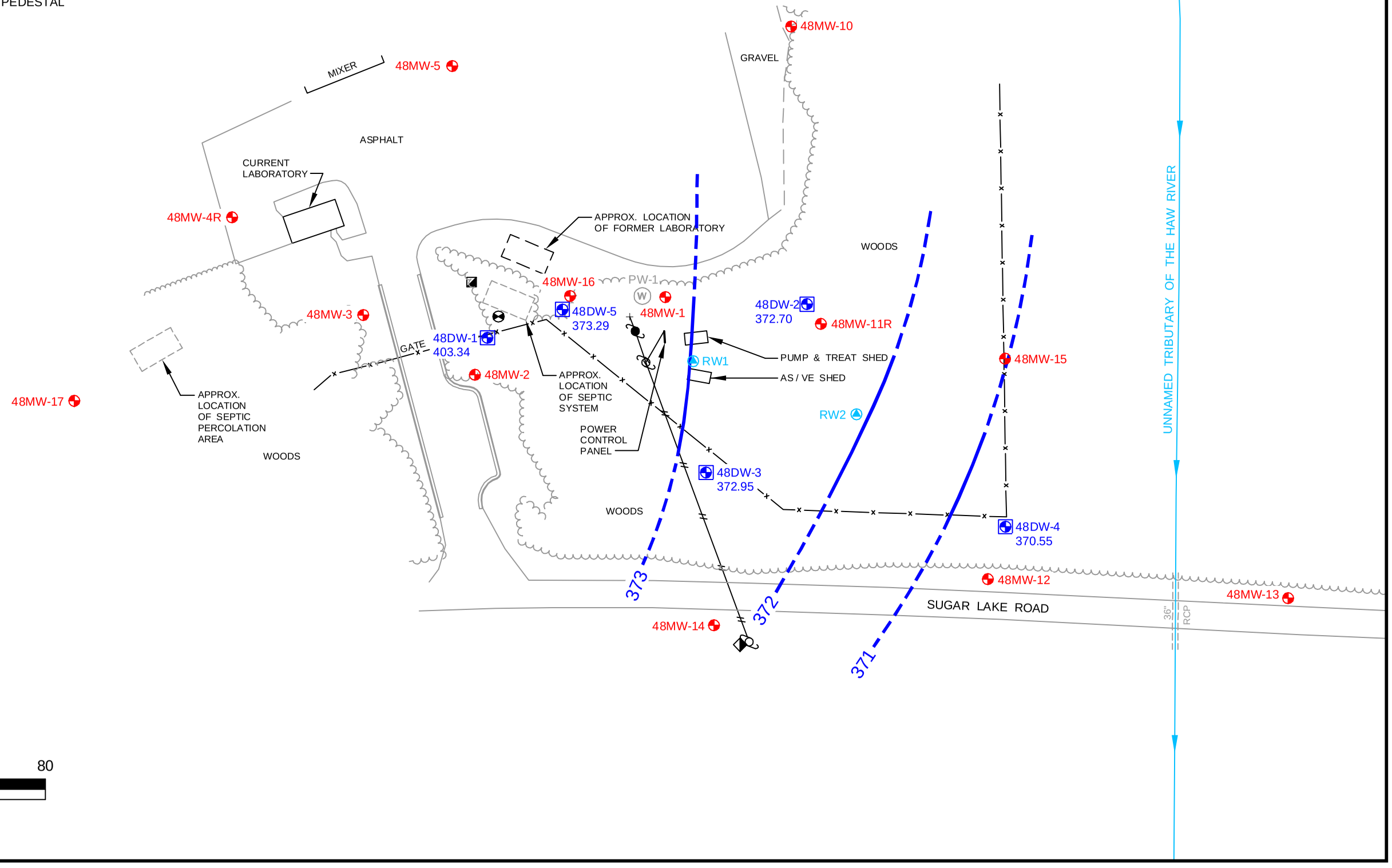
- 48PW-2 — POTABLE WATER WELL (ACTIVE)
- PW-1 — POTABLE WATER WELL (ABANDONED)
- 48MW-17 — MONITORING WELL SCREENED IN SAPROLITE
- 48DW-5 — MONITORING WELL SCREENED IN BEDROCK
- RW2 — RECOVERY WELL
- 48DW-4 370.55 — GROUNDWATER ELEVATION (ft msl) AT MONITORING WELL
- 372 — GROUNDWATER POTENTIOMETRIC CONTOUR (DASHED WHERE INFERRED)

ABBREVIATIONS

AS	AIR SPARGE
VE	VAPOR EXTRACTION

NOTES

1. MONITORING WELL 48DW-1 WAS NOT USED FOR CONTOURING AS IT IS NOT BELIEVED TO BE CONNECTED TO A WATER-BEARING FRACTURE IN THE BEDROCK.



REVISIONS			
NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY: | DRAWN BY: KLR | CHECKED BY: | APPROVED BY:

AECOM

AECOM North Carolina, Inc.
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WEB: HTTP://WWW.AECOM.COM

SHALLOW BEDROCK AQUIFER POTENTIOMETRIC MAP JUNE 2010

Former NCDOT Asphalt Testing Site No. 6-48
Sugar Lake Road, Pittsboro, North Carolina

SCALE:	DATE:	PROJECT NUMBER:
1"=80'	9/21/10	60154105.6

FIGURE NUMBER: 3.6

SHEET NUMBER: B100410B

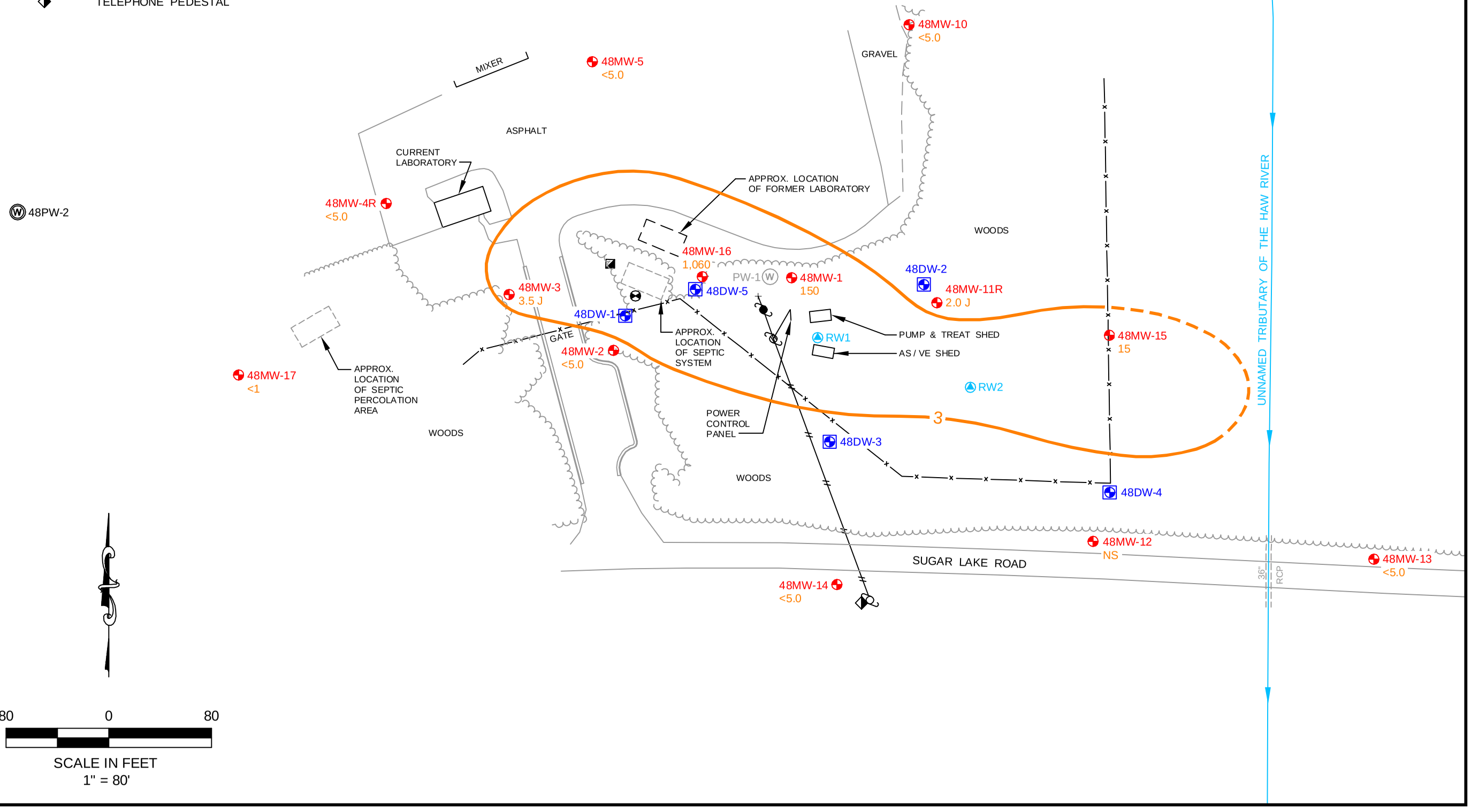
LEGEND

- EDGE OF WOODS
- CREEK WITH FLOW DIRECTION
- 6' CHAIN LINK FENCE
- CURB & GUTTER
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY WIRES
- UTILITY POLE
- UTILITY POLE WITH DROP
- GUY WIRE / ANCHOR
- WATER VALVE
- TELEPHONE PEDESTAL

- 48PW-2 — POTABLE WATER WELL (ACTIVE)
- PW-1 — POTABLE WATER WELL (ABANDONED)
- 48MW-17 — MONITORING WELL SCREENED IN SAPROLITE
- 48DW-5 — MONITORING WELL SCREENED IN BEDROCK
- RW2 — RECOVERY WELL
- 48MW-17 <1 — TCE CONCENTRATION (ug/L) AT MONITORING WELL
- 3 — TCE ISOCONCENTRATION (ug/L) CONTOUR (DASHED WHERE INFERRED)

ABBREVIATIONS

AS	AIR SPARGE
TCE	TRICHLOROETHENE
ug/L	MICROGRAMS PER LITER
VE	VAPOR EXTRACTION



REVISIONS			
NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY: | DRAWN BY: KLR | CHECKED BY: | APPROVED BY:

AECOM

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SURFICIAL AQUIFER TCE ISOCONCENTRATION MAP APRIL & JULY 2010

Former NCDOT Asphalt Testing Site No. 6-48
Sugar Lake Road, Pittsboro, North Carolina

PROJECT NUMBER: 60154105.6
DATE: 9/21/10
SCALE: 1"=80'

FIGURE NUMBER: 3.7

SHEET NUMBER: C100413B

LEGEND

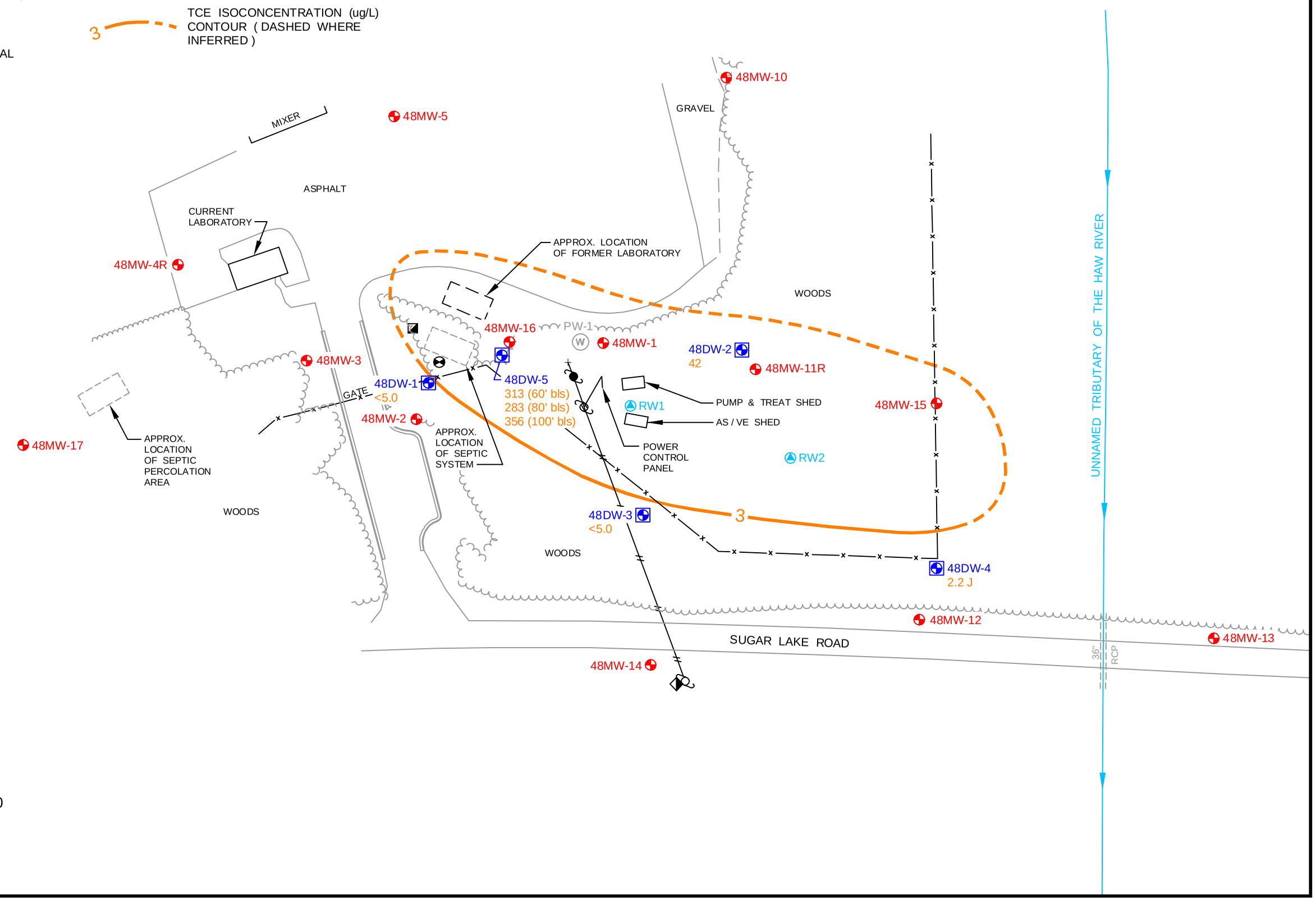
- EDGE OF WOODS
- CREEK WITH FLOW DIRECTION
- 6' CHAIN LINK FENCE
- CURB & GUTTER
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY WIRES
- UTILITY POLE
- UTILITY POLE WITH DROP
- GUY WIRE / ANCHOR
- WATER VALVE
- TELEPHONE PEDESTAL

- 48PW-2 — POTABLE WATER WELL (ACTIVE)
- PW-1 — POTABLE WATER WELL (ABANDONED)
- 48MW-17 — MONITORING WELL SCREENED IN SAPROLITE
- 48DW-5 — MONITORING WELL SCREENED IN BEDROCK
- RW2 — RECOVERY WELL
- 48DW-4 2.2 J — TCE CONCENTRATION (ug/L) AT MONITORING WELL
- 3 — TCE ISOCONCENTRATION (ug/L) CONTOUR (DASHED WHERE INFERRED)

ABBREVIATIONS

AS	AIR SPARGE
TCE	TRICHLOROETHENE
ug/L	MICROGRAMS PER LITER
VE	VAPOR EXTRACTION

48PW-2



80 0 80

SCALE IN FEET
1" = 80'

REVISIONS	NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY:
DRAWN BY: KLR
CHECKED BY:
APPROVED BY:

AECOM

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FAX: (919) 872-7996
WEB: HTTP://WWW.AECOM.COM

SHALLOW BEDROCK AQUIFER TCE ISOCONCENTRATION MAP APRIL & JULY 2010

Former NCDOT Asphalt Testing Site No. 6-48
Sugar Lake Road, Pittsboro, North Carolina

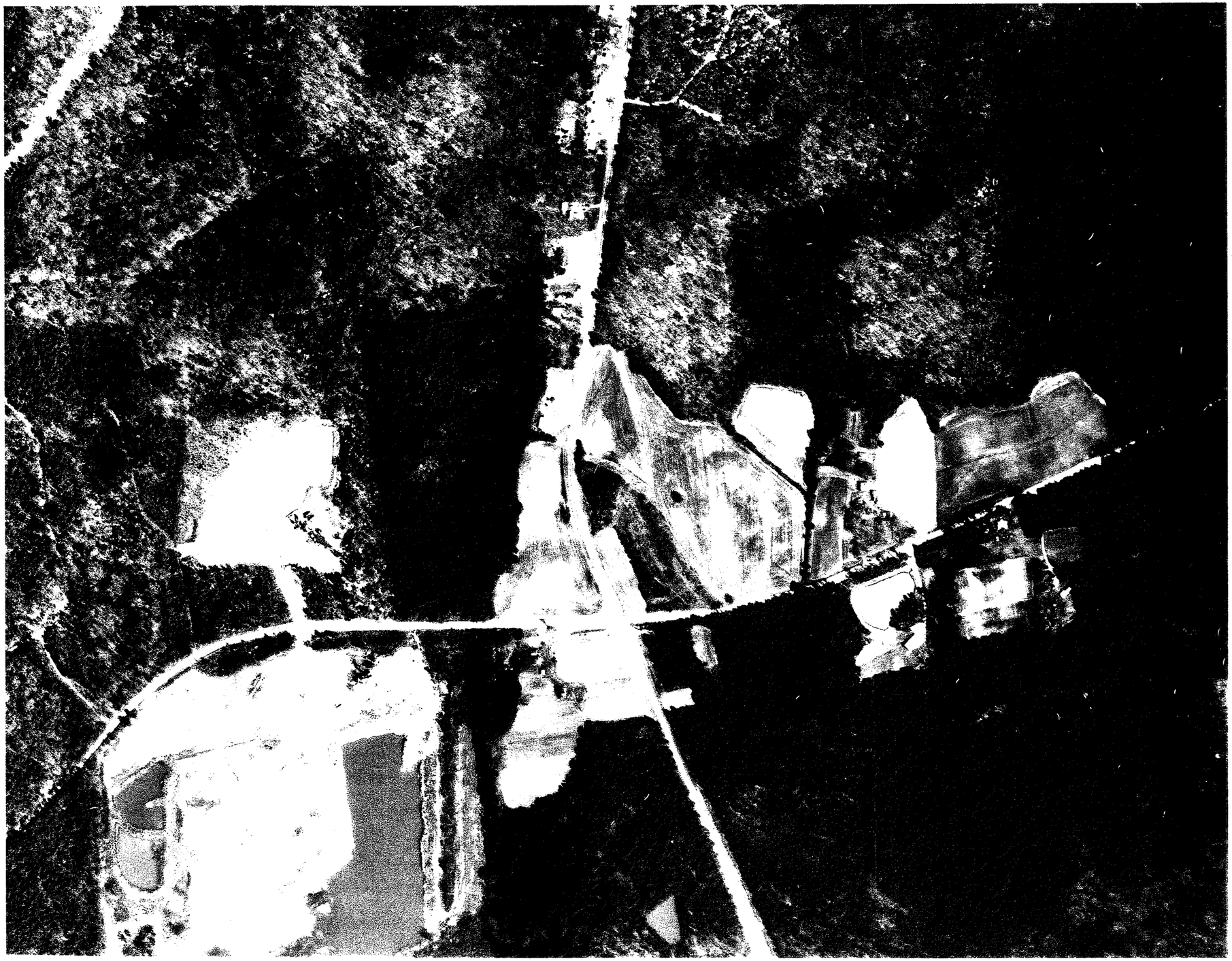
PROJECT NUMBER: 60154105.6
DATE: 9/21/10
SCALE: 1"=80'

FIGURE NUMBER: 3.8

SHEET NUMBER: C100414B

Appendix A

Aerial Photographs



4/1/1977

SCALE 1"= 400'

0 400 800 1200 1600

PHOTO NO 186


N5-50
INDEXED ON 9762
5-33-30A
INDEXED ON 9762 N5-33-24
INDEXED ON 9762
INDEXED ON 9762
5-28A-16
PRIVATE RD.
PRIVATE RD.
HATLEY
8.23A (7.93A)
5.10A (4.94A)
10.06A (9.74A)
5.02A (4.72A)
5.24A (4.88A)
4.97A (6.55A)
7.26A (6.52A)
8.87A (8.36A)
10.04A (9.40A)
5.03A (4.90A)
5.02A (4.90A)
5.07A (4.42A)
5.02A (4.56A)
5.10A (4.96A)
5.08A (4.96A)
5.09A (4.82A)
5.05A (4.44A)
5.13A (4.96A)
5.14A (4.70A)
5.05A (4.93A)
5.01A (4.74A)
5.05A
5.06A (4.53A)
5.05A
5.04A
5.01A
5.14A (5.02A)
5.01A (4.74A)
5.02A (4.99A)
5.29A (5.17A)
5.15A (5.01A)
5.14A (5.00A)
4.59A
21.10A (20.74A)
32.79A (32.21A)
17.00A
21.18A
10.70A (9.83A)
8.05A
4.01A (3.73A)
19.41A
(260)
(360)
(1080)
(245)
(265)
(1770)

3-86 to 3-87

Appendix B

Boring Logs

AECOM

Client:	NC DOT
Project Number:	
Site Location:	240 Sugar Lake Road, Pittsboro, North Carolina
Coordinates:	— Elevation: —
Drilling Method:	4.25" ID HSA + Air hammer
Sample Type(s):	2' Split spoon Boring Diameter:
Weather:	Logged By: M.Dail Date/Time Started: —
Drilling Contractor:	GEX Ground Elevation: Date/Time Finished: —

48MW-16

Sheet:
Monitoring Well Installed: Yes
Screened Interval: 35-45
Depth of Boring: 45'
Water Level: —

Depth (ft)	Geologic sample ID	Sample Depth (ft)	Blows per 6"	Recovery (inches)	Headspace (ppm)	U.S.C.S	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)	Lab Sample ID	Lab Sample Depth (Ft.)
	SAP		3-4 7	16/16		ML CL	0-5-7 orangish-brown SILT w/CLAY, no preserved saprolite texture, dry		
	SAP		5-6-6	18/18		ML	10-12 yellowish-orange SILT w/ minor SAND + CLAY poor saprolite texture, dry		
	SAP		7-8-10	18/18		ML	15-17 yellowish-tan SILT, dry		
	SAP		4-5-5	18/18		ML	20-22 As above w/preserved weathered, near vertical fractures in the saprolite, dry		
	PWR		15/50 12-50/5	17/18			25-27 Yellowish-orange ~~SANDY~~ fine SANDY SILT PWR, dry		
	PWR		25-50/1				30-32 Yellowish orange meta volcanic rock/PWR Sand to coarse gravel rock fragments. dry		
	Bedrock						33-36 PWR 36-37 PWR (orange) 37-40 Rock (gray)		
							40-41 PWR (orange) 41-45 Rock (gray dust)		

NOTES: 4.25" ID HSA refusal @ ~~34'~~ 33' bls

Checked by: M. Dail Date:

Date	Time	Depth to groundwater while drilling

AECOM

Client:	NC DOT
Project Number:	
Site Location:	240 Sugar Lake Road, Pittsboro, North Carolina
Coordinates:	Elevation:
Drilling Method:	4.25" ID HSA + Air hammer
Sample Type(s):	Boring Diameter:

48-MW-~~B~~ 17

Sheet:

Monitoring Well Installed:

Screened Interval: 25-35

Depth of Boring: 35

Water Level:

Weather:	Logged By:	Date/Time Started:	
Drilling Contractor: GEX	Ground Elevation:	Date/Time Finished:	

Depth (ft)	Geologic sample ID	Sample Depth (ft)	Blows per 6"	Recovery (inches)	Headspace (ppm)	U.S.C.S	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)	Lab Sample ID	Lab Sample Depth (Ft.)
	f.l		6-6-7	18/18		CL/ML	5-~~7.5~~ Reddish orange SILTY CLAY soil, dry		
	Sap		7-7-8	18/18		ML	10-~~12.5~~ lt yellowish orange SILT w/ minor sand dry		
	Sap		7-7-11	18/18		ML	15-16.5 lt gray to yellowish orange SILT saprolite, dry		
	PWR		20/50/5	18/18		SM	20-21.5 lt greenish gray to yellowish orange fine SAND w/ SILT PWR		
							21-27 lt brown PWR dust cuttings 27-33 lt gray rock dust cuttings, dry 33-35 lt gray sand cuttings, wet		

NOTES: 4.25" ID HSA refusal @ 21' bls.
Depth to water @ ~ 18' bls.

Date	Time	Depth to groundwater while drilling

Checked by

Date:

48DW-5

AECOM

Client:	NC DOT		Type III well
Project Number:			
Site Location:	240 Sugar Lake Road, Pittsboro, North Carolina		
Coordinates:	Elevation:		Sheet:
Drilling Method:	4.25" ID HSA & Air hammer		Monitoring Well Installed:
Sample Type(s):	Boring Diameter:		Screened Interval:
Weather:	Logged By:	Date/Time Started:	Depth of Boring:
Drilling Contractor: GEX	Ground Elevation:	Date/Time Finished:	Water Level:

Depth (ft)	Geologic sample ID	Sample Depth (ft)	Blows per 6"	Recovery (inches)	Headspace (ppm)	U.S.C.S	MATERIALS: Color, size, range, MAIN COMPONENT, minor component(s), moisture content, structure, angularity, maximum grain size, odor, and Geologic Unit (If Known)	Lab Sample ID	Lab Sample Depth (Ft.)
							0-27' bls Saprolite 27-34' bls PWR 34-38' bls Rock 38-40' bls PWR/fracture zone (water encountered @ 41' bls) 40-43' bls Rock 43-52' bls unfractured rock, rock dust, lt gray 52'-53' bls water fractures; lt gray water, no dust 58'-61' bls water fractures, water changed color from lt gray to lt brown, advancement rate increased, soft zone of weathered rock, making good water. 79-80' bls Minor water fracture, water turned brown 80-102' bls No fractures observed		

NOTES: 8.25" ID HSA refusal @ 29' bls
7.78" air hammer from 29 to 43' bls
6" air hammer from 43' to 102' bls

Date	Time	Depth to groundwater while drilling

Checked by Date:

Appendix C

Well Construction Records

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2580

1. WELL CONTRACTOR:

JASON MANTAK
Well Contractor (Individual) Name

GEOLOGIC EXPLORATION, INC.
Well Contractor Company Name

STREET ADDRESS 176 COMMERCE BLVD

STATESVILLE | NC | 28625
City or Town | State | Zip Code

(704)- 872-7686
Area code- Phone number

2. WELL INFORMATION:

SITE WELL ID #(if applicable) 48-MW-16

STATE WELL PERMIT#(if applicable)

DWQ or OTHER PERMIT #(if applicable)

WELL USE (Check Applicable Box) Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)

DATE DRILLED 06/09/10

TIME COMPLETED AM ☐ PM ☐

3. WELL LOCATION:

CITY: PITTSBORO COUNTY CHATHAM

240 SUGAR LAKE ROAD 27312
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:
☐ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other
(check appropriate box)

LATITUDE
LONGITUDE
Latitude/longitude source: ☐ GPS ☐ Topographic map
(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

May be in degrees, minutes, seconds or in a decimal format

4. FACILITY- is the name of the business where the well is located.

FACILITY ID #(if applicable)

NAME OF FACILITY ST WOOTEN

STREET ADDRESS 240 SUGAR LAKE ROAD

PITTSBORO | NC | 27312
City or Town | State | Zip Code

CONTACT PERSON NCDOT

MAILING ADDRESS 4809 BERYL ROAD

RALEIGH | NC | 27606
City or Town | State | Zip Code

( )-
Area code - Phone number

5. WELL DETAILS:

a. **TOTAL DEPTH:** 45.0 FEET

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☒

c. **WATER LEVEL** Below Top of Casing: 35.0 FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 3.0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** N/A **METHOD OF TEST** N/A

f. **DISINFECTION: Type** N/A **Amount** N/A

g. **WATER ZONES** (depth):

From ___ To ___ From ___ To ___
From ___ To ___ From ___ To ___
From ___ To ___ From ___ To ___

6. CASING:

	Depth			Diameter	Thickness/ Weight	Material
From 0.0	To 35.0	Ft.		2 INCH	SCH 40	PVC
From	To	Ft.				
From	To	Ft.				

7. GROUT:

	Depth			Material	Method
From 0.0	To 30.0	Ft.		Portland bentonite	SLURRY
From	To	Ft.			
From	To	Ft.			

8. SCREEN:

	Depth			Diameter		Slot Size		Material
From 35.0	To 45.0	Ft.	2.0	in.	.010	in.	PVC
From	To	Ft.		in.		in.	
From	To	Ft.		in.		in.	

9. SAND/GRAVEL PACK:

	Depth			Size	Material
From 33.0	To 45.0	Ft.		20-40	FINE SILICA SAND
From	To	Ft.			
From	To	Ft.			

10. DRILLING LOG

From	To	Formation Description
0.0	15.0	ORANGE CLAY
15.0	32.0	TAN SILTY CLAY
32.0	36.0	BROWN PARTIALLY WEATHERED ROCK
36.0	37.0	TAN SILTY CLAY
37.0	40.0	GRAY ROCK
40.0	41.0	TAN SILTY CLAY
41.0	45.0	GRAY ROCK

11. REMARKS:

BENTONITE SEAL FROM 30.0 TO 33.0 FT

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Jason Mantak — 06/11/10
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

JASON MANTAK
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617 Mail Service Center – Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 568.

Form GW-1b
Rev. 7/05

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2580

1. WELL CONTRACTOR:

JASON MANTAK
Well Contractor (Individual) Name

GEOLOGIC EXPLORATION, INC.
Well Contractor Company Name

STREET ADDRESS 176 COMMERCE BLVD

STATESVILLE | NC | 28625
City or Town | State | Zip Code

(704)- 872-7686
Area code- Phone number

2. WELL INFORMATION:

SITE WELL ID #(if applicable) 48-MW-17

STATE WELL PERMIT#(if applicable)

DWQ or OTHER PERMIT #(if applicable)

WELL USE (Check Applicable Box) Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)

DATE DRILLED 06/09/10

TIME COMPLETED AM ☐ PM ☐

3. WELL LOCATION:

CITY: PITTSBORO COUNTY CHATHAM

240 SUGAR LAKE ROAD 27312
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:
☐ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other
(check appropriate box)

LATITUDE
LONGITUDE
Latitude/longitude source: ☐ GPS ☐ Topographic map
(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

May be in degrees, minutes, seconds or in a decimal format

4. FACILITY- is the name of the business where the well is located.

FACILITY ID #(if applicable)

NAME OF FACILITY ST WOOTEN

STREET ADDRESS 240 SUGAR LAKE ROAD

PITTSBORO | NC | 27312
City or Town | State | Zip Code

CONTACT PERSON NCDOT

MAILING ADDRESS 4809 BERYL ROAD

RALEIGH | NC | 27606
City or Town | State | Zip Code

( )-
Area code - Phone number

5. WELL DETAILS:

a. **TOTAL DEPTH:** 35.0 FEET

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☒

c. **WATER LEVEL** Below Top of Casing: 13.0 FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 3.0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** N/A **METHOD OF TEST** N/A

f. **DISINFECTION: Type** N/A **Amount** N/A

g. **WATER ZONES** (depth):
From To From To
From To From To
From To From To

6. CASING:

	Depth		Diameter	Thickness/ Weight	Material
From 0.0	To 25.0	Ft.	2 INCH	SCH 40	PVC
From	To	Ft.			
From	To	Ft.			

7. GROUT:

	Depth		Material	Method
From 0.0	To 18.0	Ft.	Portland bentonite	SLURRY
From	To	Ft.		
From	To	Ft.		

8. SCREEN:

	Depth		Diameter		Slot Size		Material
From 25.0	To 35.0	Ft.	2.0	in.	.010	in.	PVC
From	To	Ft.	in.		in.		
From	To	Ft.	in.		in.		

9. SAND/GRAVEL PACK:

Depth			Size	Material
From 22.0	To 35.0	Ft.	20-40	FINE SILICA SAND
From	To	Ft.		
From	To	Ft.		

10. DRILLING LOG

From	To	Formation Description
0.0	10.0	ORANGE CLAY
10.0	20.0	TAN SILTY CLAY
20.0	35.0	GRAY ROCK/TAN SILTY CLAY LAYERS

11. REMARKS:

BENTONITE SEAL FROM 18.0 TO 22.0 FT

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Jason Mantak — 06/11/10
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

JASON MANTAK
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617 Mail Service Center – Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 568.

Form GW-1b
Rev. 7/05

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2580

1. WELL CONTRACTOR:

JASON MANTAK
Well Contractor (Individual) Name

GEOLOGIC EXPLORATION, INC.
Well Contractor Company Name

STREET ADDRESS 176 COMMERCE BLVD

STATESVILLE | NC | 28625
City or Town | State | Zip Code

(704)- 872-7686
Area code- Phone number

2. WELL INFORMATION:

SITE WELL ID #(if applicable) 48-DW-5

STATE WELL PERMIT#(if applicable)

DWQ or OTHER PERMIT #(if applicable)

WELL USE (Check Applicable Box) Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use)

DATE DRILLED 06/09/10 - 06/10/10

TIME COMPLETED AM ☐ PM ☐

3. WELL LOCATION:

CITY: PITTSBORO COUNTY CHATHAM

240 SUGAR LAKE ROAD 27312
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:
☐ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other
(check appropriate box)

LATITUDE . ___
LONGITUDE ___ ___

May be in degrees, minutes, seconds or in a decimal format

Latitude/longitude source: ☐ GPS ☐ Topographic map
(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

4. FACILITY- is the name of the business where the well is located.

FACILITY ID #(if applicable)

NAME OF FACILITY ST WOOTEN

STREET ADDRESS 240 SUGAR LAKE ROAD

PITTSBORO | NC | 27312
City or Town | State | Zip Code

CONTACT PERSON NCDOT

MAILING ADDRESS 4809 BERYL ROAD

RALEIGH | NC | 27606
City or Town | State | Zip Code

( )-
Area code - Phone number

5. WELL DETAILS:

a. **TOTAL DEPTH:** 100.0 FEET

b. **DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☒

c. **WATER LEVEL** Below Top of Casing: 35.0 FT.
(Use "+" if Above Top of Casing)

d. **TOP OF CASING IS** 3.0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. **YIELD (gpm):** N/A **METHOD OF TEST** N/A

f. **DISINFECTION: Type** N/A **Amount** N/A

g. **WATER ZONES** (depth):

From ___ To ___ From ___ To ___
From ___ To ___ From ___ To ___
From ___ To ___ From ___ To ___

6. CASING:

	Depth		Diameter	Thickness/ Weight	Material
From 0.0	To 43.0	Ft.	6 INCH	SCH 40	PVC
From ___	To ___	Ft.			
From ___	To ___	Ft.			

7. GROUT:

	Depth		Material	Method
From 0.0	To 43.0	Ft.	Portland bentonite	SLURRY
From ___	To ___	Ft.		
From ___	To ___	Ft.		

8. SCREEN:

	Depth		Diameter		Slot Size	Material
From ___	To ___	Ft. ___	in. ___		in. ___	
From ___	To ___	Ft. ___	in. ___		in. ___	
From ___	To ___	Ft. ___	in. ___		in. ___	

9. SAND/GRAVEL PACK:

Depth			Size	Material
From ___	To ___	Ft. ___		
From ___	To ___	Ft. ___		
From ___	To ___	Ft. ___		

10. DRILLING LOG

From	To	Formation Description
0.0	15.0	ORANGE CLAY
15.0	34.0	TAN SILTY CLAY
34.0	38.0	BROWN PARTIALLY WEATHERED ROCK
38.0	40.0	TAN SILTY CLAY
40.0	100.0	GRAY ROCK

11. REMARKS:

OPEN HOLE FROM 43.0 TO 100.0 FT

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Jason Mantak — 06/11/10
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

JASON MANTAK
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617 Mail Service Center – Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 568.

Form GW-1b
Rev. 7/05

Appendix D

Groundwater Sample Collection Records

AECOM

Well ID: 48DW-1

Low Flow Ground Water Sample Collection Record

Client: NCDOT - Pittsboro | Date: 4/26/2010 | Time: Start 1328 am/pm | Finish 1350 am/pm
Project No: 60154105.3
Site Location: Pittsboro, NC
Weather Conds: ~80° & sunny | Collector(s): D. Babineau/B.Bennett

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 98.74 c. Length of Water Column 96.14 (a-b)

Casing Diameter/Material 6" 2" PVC Metal

b. Water Table Depth 2.60 d. Calculated System Volume (see back) 140.36g

2. WELL PURGE DATA

a. Purge Method: Peristaltic/ Monsoon/ Grundfus

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	13968

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1310	3 L	18.79	6.17	74	0.79	168.1	N/A	150	3.10	cloudy/none
1313	4L	20.56	6.24	73	0.75	171.4			3.15	cloudy/none
1316	5L	20.94	6.33	74	0.69	157.5			3.17	cloudy/none
1319	6L	21.18	6.34	73	0.68	158.4			3.19	cloudy/none
1322	7L	21.74	6.37	74	0.68	160.7			3.21	cloudy/none

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: Grab

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
48DW-1	40ml VOA	3	HCl	8260B	1330

Comments: Well sampled @ low flow then pumped dry - will take 2nd sample on 4/27/10.

Signature: [signature] Date: 4/26/10

AECOM

Well ID: 48-DW1

Low Flow Ground Water Sample Collection Record

Purge Sheet

Client: NCDOT - Pittsboro | Date: 4/26/2010 | Time: Start 1350 am/pm | Finish 1540 am/pm

Project No: 60154105.3

Site Location: Pittsboro, NC

Weather Conds: ~80° W Sunny | Collector(s): D. Babineau/B.Bennett

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 98.74 | c. Length of Water Column 96.14 (a-b) | Casing Diameter/Material: 2" PVC

b. Water Table Depth ~~98.74~~ 2.60 | d. Calculated System Volume (see back) 140.36

2. WELL PURGE DATA

a. Purge Method: Peristaltic/ Monsoon/ Grundfus - Full Purge of well

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	13968

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1415	N/A	19.19	7.04	81	0.78	125.3	N/A	>300	35.63	clear/none
1430	80 g	18.61	6.71	70	0.74	158.3			45.40	clear/none
1445	100g	19.00	6.70	72	0.70	161.7			59.61	clear/none
1500	110g	18.57	6.66	70	0.73	157.4			73.22	clear/none
1515	118g	19.38	7.34	72	0.79	197.3			80.79	clear/none
1530	130g	19.40	7.19	71	0.80	194.2			91.00	clear/none
~~1545~~										

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☐	☐	☒

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method:

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
	~~40ml VOA~~	~~3~~	~~HCl~~	~~8260B~~	

Comments: Purging of well only - well Dry at 1540.

Signature: [signature] Date: 4/26/10

AECOM

Well ID: 48DW-2

Low Flow Ground Water Sample Collection Record

Client: NCDOT - Pittsboro | Date: 4/27/2010 | Time: Start 0930 am/pm
Project No: 60154105.3 | Finish 1005 am/pm
Site Location: Pittsboro, NC
Weather Conds: ~65° + Sunny | Collector(s): D. Babineau/B.Bennett

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 66.00 c. Length of Water Column 36.47 (a-b)

b. Water Table Depth 29.53 d. Calculated System Volume (see back) 53.24 g

Casing Diameter/Material 6" PVC metal

2. WELL PURGE DATA

a. Purge Method: Peristaltic/Monsoon/Grundfus

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	±1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	13968

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
0940	Initial	15.84	6.94	401	1.21	245.9	N/A	~150	30.40	Clear/None
0943	3.0	15.89	7.03	399	1.11	241.5	↓	↓	30.60	Clear/None
0946	4.5	15.85	7.09	399	1.09	240.3	↓	↓	30.63	Clear/None
0949	6.0	15.82	7.10	399	1.08	239.7	↓	↓	30.67	Clear/None
							↓	↓		
							↓	↓		
							↓	↓		

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: Grab

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
48DW-2	40ml VOA	3	HCl	8260B	0955

Comments

Signature [signature] Date 4/27/10

AECOM

Well ID: 48 DW-3

Low Flow Ground Water Sample Collection Record

Client: NCDOT - Pittsboro Date: 4/27/2010 Time: Start 1210 am/pm
Project No: 60154105.3 Finish 1245 am/pm
Site Location: Pittsboro, NC
Weather Conds: ~65° & Sunny Collector(s): D. Babineau/B.Bennett

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 2100 c. Length of Water Column N/A (a-b) Casing Diameter/Material: 2" PVC

b. Water Table Depth 26.28 d. Calculated System Volume (see back) N/A

2. WELL PURGE DATA

a. Purge Method: Peristaltic/ Monsoon/ Grundfus

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	±1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	13968

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1220	Init.	16.20	7.89	261	0.44	164.5	N/A	200	30.45	clear/none
1223	6.0	16.27	7.89	261	0.43	160.9	↓	↓	30.70	clear/none
1226	9.0	16.32	7.89	262	0.42	156.9	↓	↓	30.81	clear/none
1229	12.0	16.36	7.89	261	0.40	154.7	↓	↓	30.94	clear/none
							↓	↓		
							↓	↓		
							↓	↓		

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☑
Has required turbidity been reached	☐	☐	☑
Have parameters stabilized	☑	☐	☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: GRAB

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
48DW-3	40ml VOA	3	HCl	8260B	1235

Comments: Water level meter not long enough to gauge Bottom of well

Signature: [signature] Date: 4/27/10

AECOM

Well ID: 48DW-4

Low Flow Ground Water Sample Collection Record

Client: NCDOT - Pittsboro Date: 4/27/2010 Time: Start 1435 am/pm
Project No: 60154105.3 Finish 1510 am/pm
Site Location: Pittsboro, NC
Weather Conds: ~65°F Sunny Collector(s): D. Babineau/B.Bennett

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length >100 c. Length of Water Column N/A (a-b) Casing Diameter/Material 2" PVC

b. Water Table Depth 11.31 d. Calculated System Volume (see back) N/A

2. WELL PURGE DATA

a. Purge Method: Peristaltic/ Monsoon/ Grundfus

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	13968

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1445	Initial	15.63	7.89	292	1.36	-11.8	N/A	150	16.32	clear/none
1448	3.0	15.58	7.88	294	1.33	-10.5	↓	↓	16.37	clear/none
1451	4.0	15.57	7.88	295	1.32	-9.5			16.40	clear/none
1454	5.0	15.63	7.88	294	1.33	-10.7			16.43	clear/none

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☑	☐	☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: Grab

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
48DW-4	40ml VOA	3	HCl	8260B	1458

Comments

Signature [signature] Date 4/27/10

AECOM

Well ID: 48MW-1

Low Flow Ground Water Sample Collection Record

Client: NCDOT - Pittsboro | Date: 4/27/2010 | Time: Start 1025 am/pm | Finish 1100 am/pm
Project No: 60154105.3
Site Location: Pittsboro, NC
Weather Conds: ~65°F Sunny | Collector(s): D. Babineau/B.Bennett

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 46.08 c. Length of Water Column 13.23 (a-b)

b. Water Table Depth 32.85 d. Calculated System Volume (see back) 8.17

Casing Diameter/Material: 2" PVC

2. WELL PURGE DATA

a. Purge Method: Peristaltic/ Monsoon/ Grundfus

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	13968

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1035	Initial	17.16	6.42	312	1.11	88.6	N/A	~150	33.90	cloudy/none
1038	3.0	17.34	6.31	282	0.56	92.3	↓	↓	34.71	clear/none
1041	4.0	17.35	6.28	278	0.54	93.2			34.76	clear/none
1044	5.0	17.46	6.21	270	0.42	99.0			34.77	clear/none
1047	6.0	17.53	6.20	262	0.39	99.5			34.78	clear/none
1050	7.0	17.43	6.18	261	0.40	101.1	↓	↓	34.77	clear/none

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: Grab

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
48MW-1	40ml VOA	3	HCl	8260B	1050

Comments

Signature [signature] Date 4/27/10

AECOM

Well ID: 48MW-2

Low Flow Ground Water Sample Collection Record

Client: NCDOT - Pittsboro Date: 4/26/2010 Time: Start 1310 am/pm
Project No: 60154105.3 Finish 1355 am/pm
Site Location: Pittsboro, NC
Weather Conds: 70S, p. cloudy Collector(s): D. Babineau/B.Bennett

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 49.71 c. Length of Water Column 19.58 (a-b)

Casing Diameter/Material: 2" PVC

b. Water Table Depth 30.13 d. Calculated System Volume (see back) ~12L

2. WELL PURGE DATA

a. Purge Method: Peristaltic/Monsoon/ Grundfus

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	6054

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1320	3L	18.55	5.77	237	VSNT	151.7	NA	250	31.77	lt brown / none
1325	4L	18.80	5.76	207	3.02	138.8		200	31.76	" / "
1330	5L	18.23	5.80	198	2.26	126.4		200	31.78	" / "
1335	6L	19.17	5.80	194	2.05	119.6		200	31.78	" / "
1340	7L	18.83	5.81	191	1.94	112.9		200	31.79	" / "
1345	8L	18.34	5.81	187	1.93	111.8		200	31.91	" / "

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

3. SAMPLE COLLECTION: Method: Monsoon

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
48MW-2	40ml VOA	3	HCl	8260B	1350

Comments

Signature [signature] Date 4/26/10

AECOM

Well ID: 48MW-3

Low Flow Ground Water Sample Collection Record

Client: NCDOT - Pittsboro | Date: 4/26/2010 | Time: Start 1403 am/pm | Finish 1440 am/pm
Project No: 60154105.3
Site Location: Pittsboro, NC
Weather Conds: 70's, p. cloudy | Collector(s): D. Babineau/B. Bennett

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 49.28 c. Length of Water Column 15.43 (a-b)

Casing Diameter/Material: 2" PVC

b. Water Table Depth 33.85 d. Calculated System Volume (see back) ~9.45L

2. WELL PURGE DATA

a. Purge Method: Peristaltic/ Monsoon/ Grundfus

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	6054

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1413	3L	17.50	6.09	242	1.68	126.2	NA	250	34.19	clear/none
1418	4L	17.76	6.12	244	1.17	128.6		200	34.09	" / "
1423	5L	17.66	6.13	249	1.08	130.0		200	34.27	" / "
1428	6.5L	17.97	6.14	250	1.04	130.8		200	34.32	" / "
1433	7.8L	17.82	6.13	251	1.10	130.9		200	34.36	" / "

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: Monsoon

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
48MW-3	40ml VOA	3	HCl	8260B	1435

Comments

Signature [signature] Date 4/26/10

AECOM

Well ID: 48MW-4R

Low Flow Ground Water Sample Collection Record

Client: NCDOT - Pittsboro Date: 4/26/2010 Time: Start 1507 am/pm
Project No: 60154105.3 Finish 1555 am/pm
Site Location: Pittsboro, NC
Weather Conds: 70s, p. cloudy Collector(s): D. Babineau/B. Bennett

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 35.43 c. Length of Water Column 14.26 (a-b) Casing Diameter/Material 2" PVC

b. Water Table Depth 21.17 d. Calculated System Volume (see back) 8.74L

2. WELL PURGE DATA

a. Purge Method: Peristaltic/ Monsoon/ Grundfus

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	6054

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1515	1L	18.22	5.80	350	2.53	137.9	NA	200	21.19	clear / none
1520	2L	18.08	5.80	350	1.23	142.2		200	21.19	" / "
1525	3L	18.17	5.81	350	1.37	144.2		100	21.19	" / "
1530	3.5L	18.08	5.82	351	1.70	145.2		200	21.20	" / "
1535	4.5L	18.40	5.82	350	1.89	145.0		200	21.20	" / "
1540	5L	18.24	5.83	350	1.86	145.7		200	21.20	" / "
1545	5.5L	18.36	5.80	349	1.86	147.7	✓	200	21.20	" / "

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

3. SAMPLE COLLECTION: Method: Peristaltic

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
48MW-4R	40ml VOA	3	HCl	8260B	1550

Comments

Signature Date 4/26/10

AECOM

Well ID: 48MW-5

Low Flow Ground Water Sample Collection Record

Client: NCDOT - Pittsboro Date: 4/27/2010 Time: Start 1105 am/pm
Project No: 60154105.3 Finish 1200 am/pm
Site Location: Pittsboro, NC
Weather Conds: 60's p. cloudy Collector(s): D. Babineau/B.Bennett

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 34.76 c. Length of Water Column 11.14 (a-b) Casing Diameter/Material 2" PVC

b. Water Table Depth 23.62 d. Calculated System Volume (see back) 6.83L

2. WELL PURGE DATA

a. Purge Method: Peristaltic/ Monsoon/ Grundfus

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	±1.0 unit	- ORP	±10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	6054

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1115	1L	21.39	6.52	94	8.91	21.6	NA	100	23.03	clear / none
1120	1.5L	20.33	6.58	182	0.96	-0.6		100	23.06	" / "
1125	2L	20.30	6.52	186	0.58	-10.2		100	23.05	" / "
1135	2.5L	20.15	6.29	223	1.75	-40.8		100	23.10	" / "
1140	3L	20.33	6.12	279	2.41	-46.4		100	23.11	" / "
1145	3.5L	20.09	6.08	301	1.18	-51.7		100	23.13	" / "
1150	4L	19.99	6.07	309	1.10	-53.4	↓	100	23.15	" / "

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

3. SAMPLE COLLECTION: Method: Peristaltic

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
48MW-5	40ml VOA	3	HCl	8260B	1155

Comments 1127 - battery died for peristaltic, 1132 - peristaltic restarted

Signature [signature] Date 4/27/10

48MW-5

TIME	VOLUME	TEMP	pH	SPEC COND	DO	TURBIDITY	FLOW RATE	DRAWDOWN	COLOR/ODOR
1155	4.5L	19.92	6.06	310	1.18	-54.6	100	23.14	clear/none

AECOM

Well ID: 48MW-10

Low Flow Ground Water Sample Collection Record

Client: NCDOT - Pittsboro Date: 4/27/2010 Time: Start 1015 am/pm
Project No: 60154105.3 Finish 1100 am/pm
Site Location: Pittsboro, NC
Weather Conds: 60's, p. cloudy Collector(s): D. Babineau/B.Bennett

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 39.66 c. Length of Water Column 14.70 (a-b)

Casing Diameter/Material: 2" PVC

b. Water Table Depth 24.96 d. Calculated System Volume (see back) 9L

2. WELL PURGE DATA

a. Purge Method: Peristaltic/ Monsoon/ Grundfus

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	6054

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1025	1L	17.64	5.86	135	2.96	210.3	NA	100	25.43	clear/none
1030	1.5L	18.03	5.94	134	2.51	218.9		100	25.45	" / "
1035	2L	18.10	5.91	134	2.55	218.3		100	25.49	" / "
1040	2.5L	18.09	5.81	132	1.83	230.2		100	25.49	" / "
1045	3L	17.89	5.71	130	1.78	234.2		100	25.49	" / "
1050	3.5L	17.98	5.63	130	1.75	230.9		100	25.48	" / "

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☑	☐	☐

If no or N/A - Explain below.

3. SAMPLE COLLECTION: Method: Peristaltic

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
48MW-10	40ml VOA	3	HCl	8260B	1055

Comments

Signature [signature] Date 4/27/10

AECOM

Well ID: 48MW-11R

Low Flow Ground Water Sample Collection Record

Client: NCDOT - Pittsboro Date: 4/27/2010 Time: Start 0935 am/pm
Project No: 60154105.3 Finish 1005 am/pm
Site Location: Pittsboro, NC
Weather Conds: 60's, partly cloudy Collector(s): D. Babineau/B. Bennett

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 29.50 c. Length of Water Column 1.43 (a-b) Casing Diameter/Material 2" PVC

b. Water Table Depth 28.07 d. Calculated System Volume (see back) 0.88L

2. WELL PURGE DATA

a. Purge Method: Peristaltic/ Monsoon/ Grundfus

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	6054

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
0945	1L	15.27	6.28	5.30229	5.78	217.3	NA	100	28.60	clear/none
0950	1.5	15.20	6.23	198	5.77	216.7		100	28.67	" / "
0955	2L	15.27	6.37	192	5.97	212.3		100	28.70	" / "

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☒	☒	☐

If no or N/A - Explain below.

~~(Continued on back)~~

3. SAMPLE COLLECTION: Method:

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
48MW-11R	40ml VOA	3	HCl	8260B	1000

Comments: WELL HAVING TROUBLE PUMPING, SEEMS TO BE GOING DRY SAMPLE NOT STABILIZED

Signature Date 4/27/10

AECOM

Well ID: 48mw-13

Low Flow Ground Water Sample Collection Record 1520

Client: NCDOT - Pittsboro | Date: 4/27/2010 | Time: Start ~~1515~~ am/pm
Project No: 60154105.3 | Finish 1600 am/pm
Site Location: Pittsboro, NC
Weather Conds: ~65° Sunny | Collector(s): D. Babineau/B.Bennett

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 32.04 c. Length of Water Column 24.29 (a-b)

b. Water Table Depth 7.75 d. Calculated System Volume (see back) 15.00

Casing Diameter/Material: 2" PVC

2. WELL PURGE DATA

a. Purge Method: Peristaltic/ Monsoon/ Grundfus

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	13960

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1535	Initial	16.31	7.28	393	5.47	150.8	N/A	150	12.21	clear/none
1538	3.0	15.94	7.20	381	3.70	155.6			12.37	clear/none
1541	4.0	15.99	7.22	382	3.68	157.1			12.40	clear/none
1544	5.0	16.17	7.22	384	3.70	154.9			12.45	clear/none
1547	6.0	16.21	7.22	385	3.71	155.7			12.50	clear/none

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☑
Has required turbidity been reached	☐	☐	☑
Have parameters stabilized	☑	☐	☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: Grab

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
48mw-13	40ml VOA	3	HCl	8260B	1550

Comments

Signature _____ Date 4/20/10

AECOM

Well ID: 48MW-14

Low Flow Ground Water Sample Collection Record

Client: NCDOT - Pittsboro Date: 4/27/2010 Time: Start 1535 1540 am/pm
Project No: 60154105.3 Finish 1610 am/pm
Site Location: Pittsboro, NC
Weather Conds: 70's, p. Cloudy Collector(s): D. Babineau/B. Bennett

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 27.51 c. Length of Water Column 7.93 (a-b) Casing Diameter/Material 2" PVC

b. Water Table Depth 19.58 d. Calculated System Volume (see back) 4.86 L

2. WELL PURGE DATA

a. Purge Method: Peristaltic/ Monsoon/ Grundfus

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	6054

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1545	1L	16.00	6.71	232	5.15	75.9	NA	100	21.35	clear/none
1550	1.5L	16.00	6.72	233	4.87	78.4		100	21.14	" / "
1555	2L	16.12	6.72	233	4.85	80.5		100	21.30	" / "
1600	2.5L	16.40	6.72	233	4.84	82.7		100	21.72	" / "

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☐	☐	☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: Peristaltic

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
48MW-14	40ml VOA	3	HCl	8260B	1605

Comments

Signature Date 4/27/10

AECOM

Well ID: 48MW-15

Low Flow Ground Water Sample Collection Record

Client: NCDOT - Pittsboro Date: 4/27/2010 Time: Start 0943 am/pm
Project No: 60154105.3 Finish _____ am/pm
Site Location: Pittsboro, NC
Weather Conds: 60's, overcast Collector(s): D. Babineau/B. Bennett

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 14.22 c. Length of Water Column 5.50 (a-b)

Casing Diameter/Material: 2" PVC

b. Water Table Depth 8.72 d. Calculated System Volume (see back) 3.37L

2. WELL PURGE DATA

a. Purge Method: Peristaltic/ Monsoon/ Grundfus

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	6059

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1450	1L	13.90	6.06	231	0.82	76.1	NA	100	9.21	clear / none
1455	1.5L	13.93	6.05	227	1.17	80.7		100	9.30	" / "
1500	2L	13.90	6.04	229	2.77	83.9		100	9.36	" / "
1505	2.5L	13.93	6.03	230	0.82	87.7		100	9.42	" / "
1510	3L	13.98	6.02	230	0.84	89.7		100	9.45	" / "
1515	3.5L	14.08	6.00	231	0.77	93.8		100	9.49	" / "

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: Peristaltic

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
48MW-15	40ml VOA	3	HCl	8260B	1515

Comments _____

Signature B Bennett Date 4/27/10

AECOM

Well ID: **48MW-16**

Low Flow Ground Water Sample Collection Record

Client: NCDOT - Pittsboro Date: 7/9/10 Time: Start 1200 am/pm Finish 1250 am/pm
Project No: 60154105.6
Site Location: Pittsboro, NC
Weather Conds: ~95° & Sunny Collector(s): D. Babineau

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 45' c. Length of Water Column 7.3 (a-b) Casing Diameter/Material 2"/PVC

b. Water Table Depth 37.70 d. Calculated System Volume (see back) 4.51

2. WELL PURGE DATA

a. Purge Method: Monsoon

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	#2013

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1210	Initial	19.11	6.13	195	0.40	304.8	N/A	150	38.05	cloudy/None
1213	6L	19.01	6.08	195	0.35	305.7			38.02	Tan/None
1216	8L	18.97	6.06	194	0.34	305.5			38.05	cloudy/None
1219	10L	18.89	6.01	193	0.34	304.4			38.06	cloudy/None
1222	12L	19.01	5.99	193	0.34	303.0			38.05	clear/None
1225	14L	19.05	5.98	192	0.33	303.4			38.05	clear/None

(continued on back)

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

3. SAMPLE COLLECTION: Method: grab

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
48MW-16	VOA	3	HCL	8260B	1235

mments

ure Date 7/9/10

AECOM

Well ID: **48MW-17**

Low Flow Ground Water Sample Collection Record

Client: NCDOT - Pittsboro Date: 7/9/10 Time: Start 1100 am/pm
Project No: 60154105.6 Finish 1145 am/pm
Site Location: Pittsboro, NC
Weather Conds: ~95° ☀Sunny Collector(s): D. Babineau

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 35' c. Length of Water Column 18.31 (a-b) Casing Diameter/Material 2"/PVC

b. Water Table Depth 16.69 d. Calculated System Volume (see back) 11.31

2. WELL PURGE DATA

a. Purge Method: Monsoon

b. Acceptance Criteria defined (see workplan)

- Temperature	3%	-D.O.	10%
- pH	± 1.0 unit	- ORP	± 10mV
- Sp. Cond.	3%	- Drawdown	< 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556	2013

Time (24hr)	Volume Removed (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1110	2L	16.35	3.00	233	2.47	499.3	N/A	150	18.50	cloudy/none
1113	4L	16.75	3.23	220	2.22	483.7			18.77	cloudy/none
1116	6L	16.10	3.98	202	2.07	449.3			19.35	cloudy/none
1119	8L	15.91	4.03	201	2.07	442.9			19.62	clear/none
1122	10L	15.86	4.07	200	2.09	442.5			19.95	clear/none

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☐	☐	☒
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION: Method: Grab

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
48MW-17	VOA	3	HCL	8260B	1130

Comments

Signature Date 7/9/10

Appendix E

Laboratory Analytical Reports and Chain of Custody

Michael Dail
AECOM
8540 Colonnade Center Drive
Raleigh, NC 27615

Report Number: G1037-69

Client Project: NCDOT

Dear Michael Dail,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America, Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America, Inc.

7may2010

Project Manager
Barbara Hager

Date

List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:
1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.
2) Uncertainty for all reported data is less than or equal to 30 percent.

MI34.021808.4

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-1 (8-10)
Client Project ID: NCDOT
Lab Sample ID G1037-69-1A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 09:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.32 g
%Solids: 74.7

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0628	1	4/28/2010
Benzene	BQL	0.00628	1	4/28/2010
Bromobenzene	BQL	0.00628	1	4/28/2010
Bromochloromethane	BQL	0.00628	1	4/28/2010
Bromodichloromethane	BQL	0.00628	1	4/28/2010
Bromoform	BQL	0.00628	1	4/28/2010
Bromomethane	BQL	0.00628	1	4/28/2010
2-Butanone	BQL	0.0314	1	4/28/2010
n-Butylbenzene	BQL	0.00628	1	4/28/2010
sec-Butylbenzene	BQL	0.00628	1	4/28/2010
tert-Butylbenzene	BQL	0.00628	1	4/28/2010
Carbon disulfide	BQL	0.00628	1	4/28/2010
Carbon tetrachloride	BQL	0.00628	1	4/28/2010
Chlorobenzene	BQL	0.00628	1	4/28/2010
Chloroethane	BQL	0.00628	1	4/28/2010
Chloroform	BQL	0.00628	1	4/28/2010
Chloromethane	BQL	0.00628	1	4/28/2010
2-Chlorotoluene	BQL	0.00628	1	4/28/2010
4-Chlorotoluene	BQL	0.00628	1	4/28/2010
Dibromochloromethane	BQL	0.00628	1	4/28/2010
1,2-Dibromo-3-chloropropane	BQL	0.0314	1	4/28/2010
Dibromomethane	BQL	0.00628	1	4/28/2010
1,2-Dibromoethane (EDB)	BQL	0.00628	1	4/28/2010
1,2-Dichlorobenzene	BQL	0.00628	1	4/28/2010
1,3-Dichlorobenzene	BQL	0.00628	1	4/28/2010
1,4-Dichlorobenzene	BQL	0.00628	1	4/28/2010
trans-1,4-Dichloro-2-butene	BQL	0.0314	1	4/28/2010
1,1-Dichloroethane	BQL	0.00628	1	4/28/2010
1,1-Dichloroethene	BQL	0.00628	1	4/28/2010
1,2-Dichloroethane	BQL	0.00628	1	4/28/2010
cis-1,2-Dichloroethene	BQL	0.00628	1	4/28/2010
trans-1,2-dichloroethene	BQL	0.00628	1	4/28/2010
1,2-Dichloropropane	BQL	0.00628	1	4/28/2010
1,3-Dichloropropane	BQL	0.00628	1	4/28/2010
2,2-Dichloropropane	BQL	0.00628	1	4/28/2010
1,1-Dichloropropene	BQL	0.00628	1	4/28/2010
cis-1,3-Dichloropropene	BQL	0.00628	1	4/28/2010
trans-1,3-Dichloropropene	BQL	0.00628	1	4/28/2010
Dichlorodifluoromethane	BQL	0.00628	1	4/28/2010
Diisopropyl ether (DIPE)	BQL	0.00628	1	4/28/2010
Ethylbenzene	BQL	0.00628	1	4/28/2010
Hexachlorobutadiene	BQL	0.00628	1	4/28/2010
2-Hexanone	BQL	0.0157	1	4/28/2010
Iodomethane	BQL	0.00628	1	4/28/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-1 (8-10)
Client Project ID: NCDOT
Lab Sample ID G1037-69-1A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 09:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.32 g
%Solids: 74.7

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00628	1	4/28/2010
4-Isopropyltoluene	BQL	0.00628	1	4/28/2010
Methylene chloride	BQL	0.0251	1	4/28/2010
4-Methyl-2-pentanone	BQL	0.0157	1	4/28/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00628	1	4/28/2010
Naphthalene	BQL	0.00628	1	4/28/2010
n-Propyl benzene	BQL	0.00628	1	4/28/2010
Styrene	BQL	0.00628	1	4/28/2010
1,1,1,2-Tetrachloroethane	BQL	0.00628	1	4/28/2010
1,1,2,2-Tetrachloroethane	BQL	0.00628	1	4/28/2010
Tetrachloroethene	BQL	0.00628	1	4/28/2010
Toluene	BQL	0.00628	1	4/28/2010
1,2,3-Trichlorobenzene	BQL	0.00628	1	4/28/2010
1,2,4-Trichlorobenzene	BQL	0.00628	1	4/28/2010
Trichloroethene	BQL	0.00628	1	4/28/2010
1,1,1-Trichloroethane	BQL	0.00628	1	4/28/2010
1,1,2-Trichloroethane	BQL	0.00628	1	4/28/2010
Trichlorofluoromethane	BQL	0.00628	1	4/28/2010
1,2,3-Trichloropropane	BQL	0.00628	1	4/28/2010
1,2,4-Trimethylbenzene	BQL	0.00628	1	4/28/2010
1,3,5-Trimethylbenzene	BQL	0.00628	1	4/28/2010
Vinyl chloride	BQL	0.00628	1	4/28/2010
m-,p-Xylene	BQL	0.0126	1	4/28/2010
o-Xylene	BQL	0.00628	1	4/28/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0626	125
Toluene-d8	0.05	0.0467	93
4-Bromofluorobenzene	0.05	0.0432	86

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By: [signature]

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-2 (10-12)
Client Project ID: NCDOT
Lab Sample ID G1037-69-2A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 09:15
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.55 g
%Solids: 72.7

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0618	1	4/28/2010
Benzene	BQL	0.00618	1	4/28/2010
Bromobenzene	BQL	0.00618	1	4/28/2010
Bromochloromethane	BQL	0.00618	1	4/28/2010
Bromodichloromethane	BQL	0.00618	1	4/28/2010
Bromoform	BQL	0.00618	1	4/28/2010
Bromomethane	BQL	0.00618	1	4/28/2010
2-Butanone	BQL	0.0309	1	4/28/2010
n-Butylbenzene	BQL	0.00618	1	4/28/2010
sec-Butylbenzene	BQL	0.00618	1	4/28/2010
tert-Butylbenzene	BQL	0.00618	1	4/28/2010
Carbon disulfide	BQL	0.00618	1	4/28/2010
Carbon tetrachloride	BQL	0.00618	1	4/28/2010
Chlorobenzene	BQL	0.00618	1	4/28/2010
Chloroethane	BQL	0.00618	1	4/28/2010
Chloroform	BQL	0.00618	1	4/28/2010
Chloromethane	BQL	0.00618	1	4/28/2010
2-Chlorotoluene	BQL	0.00618	1	4/28/2010
4-Chlorotoluene	BQL	0.00618	1	4/28/2010
Dibromochloromethane	BQL	0.00618	1	4/28/2010
1,2-Dibromo-3-chloropropane	BQL	0.0309	1	4/28/2010
Dibromomethane	BQL	0.00618	1	4/28/2010
1,2-Dibromoethane (EDB)	BQL	0.00618	1	4/28/2010
1,2-Dichlorobenzene	BQL	0.00618	1	4/28/2010
1,3-Dichlorobenzene	BQL	0.00618	1	4/28/2010
1,4-Dichlorobenzene	BQL	0.00618	1	4/28/2010
trans-1,4-Dichloro-2-butene	BQL	0.0309	1	4/28/2010
1,1-Dichloroethane	BQL	0.00618	1	4/28/2010
1,1-Dichloroethene	BQL	0.00618	1	4/28/2010
1,2-Dichloroethane	BQL	0.00618	1	4/28/2010
cis-1,2-Dichloroethene	BQL	0.00618	1	4/28/2010
trans-1,2-dichloroethene	BQL	0.00618	1	4/28/2010
1,2-Dichloropropane	BQL	0.00618	1	4/28/2010
1,3-Dichloropropane	BQL	0.00618	1	4/28/2010
2,2-Dichloropropane	BQL	0.00618	1	4/28/2010
1,1-Dichloropropene	BQL	0.00618	1	4/28/2010
cis-1,3-Dichloropropene	BQL	0.00618	1	4/28/2010
trans-1,3-Dichloropropene	BQL	0.00618	1	4/28/2010
Dichlorodifluoromethane	BQL	0.00618	1	4/28/2010
Diisopropyl ether (DIPE)	BQL	0.00618	1	4/28/2010
Ethylbenzene	BQL	0.00618	1	4/28/2010
Hexachlorobutadiene	BQL	0.00618	1	4/28/2010
2-Hexanone	BQL	0.0155	1	4/28/2010
Iodomethane	BQL	0.00618	1	4/28/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-2 (10-12)
Client Project ID: NCDOT
Lab Sample ID G1037-69-2A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 09:15
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.55 g
%Solids: 72.7

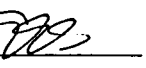
Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00618	1	4/28/2010
4-Isopropyltoluene	BQL	0.00618	1	4/28/2010
Methylene chloride	BQL	0.0247	1	4/28/2010
4-Methyl-2-pentanone	BQL	0.0155	1	4/28/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00618	1	4/28/2010
Naphthalene	BQL	0.00618	1	4/28/2010
n-Propyl benzene	BQL	0.00618	1	4/28/2010
Styrene	BQL	0.00618	1	4/28/2010
1,1,1,2-Tetrachloroethane	BQL	0.00618	1	4/28/2010
1,1,2,2-Tetrachloroethane	BQL	0.00618	1	4/28/2010
Tetrachloroethene	BQL	0.00618	1	4/28/2010
Toluene	BQL	0.00618	1	4/28/2010
1,2,3-Trichlorobenzene	BQL	0.00618	1	4/28/2010
1,2,4-Trichlorobenzene	BQL	0.00618	1	4/28/2010
Trichloroethene	BQL	0.00618	1	4/28/2010
1,1,1-Trichloroethane	BQL	0.00618	1	4/28/2010
1,1,2-Trichloroethane	BQL	0.00618	1	4/28/2010
Trichlorofluoromethane	BQL	0.00618	1	4/28/2010
1,2,3-Trichloropropane	BQL	0.00618	1	4/28/2010
1,2,4-Trimethylbenzene	BQL	0.00618	1	4/28/2010
1,3,5-Trimethylbenzene	BQL	0.00618	1	4/28/2010
Vinyl chloride	BQL	0.00618	1	4/28/2010
m-,p-Xylene	BQL	0.0124	1	4/28/2010
o-Xylene	BQL	0.00618	1	4/28/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0625	125
Toluene-d8	0.05	0.0462	92
4-Bromofluorobenzene	0.05	0.0434	87

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By: 

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-3 (6-8)
Client Project ID: NCDOT
Lab Sample ID G1037-69-3A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 09:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.26 g
%Solids: 73.5

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0647	1	4/28/2010
Benzene	BQL	0.00647	1	4/28/2010
Bromobenzene	BQL	0.00647	1	4/28/2010
Bromochloromethane	BQL	0.00647	1	4/28/2010
Bromodichloromethane	BQL	0.00647	1	4/28/2010
Bromoform	BQL	0.00647	1	4/28/2010
Bromomethane	BQL	0.00647	1	4/28/2010
2-Butanone	BQL	0.0324	1	4/28/2010
n-Butylbenzene	BQL	0.00647	1	4/28/2010
sec-Butylbenzene	BQL	0.00647	1	4/28/2010
tert-Butylbenzene	BQL	0.00647	1	4/28/2010
Carbon disulfide	BQL	0.00647	1	4/28/2010
Carbon tetrachloride	BQL	0.00647	1	4/28/2010
Chlorobenzene	BQL	0.00647	1	4/28/2010
Chloroethane	BQL	0.00647	1	4/28/2010
Chloroform	BQL	0.00647	1	4/28/2010
Chloromethane	BQL	0.00647	1	4/28/2010
2-Chlorotoluene	BQL	0.00647	1	4/28/2010
4-Chlorotoluene	BQL	0.00647	1	4/28/2010
Dibromochloromethane	BQL	0.00647	1	4/28/2010
1,2-Dibromo-3-chloropropane	BQL	0.0324	1	4/28/2010
Dibromomethane	BQL	0.00647	1	4/28/2010
1,2-Dibromoethane (EDB)	BQL	0.00647	1	4/28/2010
1,2-Dichlorobenzene	BQL	0.00647	1	4/28/2010
1,3-Dichlorobenzene	BQL	0.00647	1	4/28/2010
1,4-Dichlorobenzene	BQL	0.00647	1	4/28/2010
trans-1,4-Dichloro-2-butene	BQL	0.0324	1	4/28/2010
1,1-Dichloroethane	BQL	0.00647	1	4/28/2010
1,1-Dichloroethene	BQL	0.00647	1	4/28/2010
1,2-Dichloroethane	BQL	0.00647	1	4/28/2010
cis-1,2-Dichloroethene	BQL	0.00647	1	4/28/2010
trans-1,2-dichloroethene	BQL	0.00647	1	4/28/2010
1,2-Dichloropropane	BQL	0.00647	1	4/28/2010
1,3-Dichloropropane	BQL	0.00647	1	4/28/2010
2,2-Dichloropropane	BQL	0.00647	1	4/28/2010
1,1-Dichloropropene	BQL	0.00647	1	4/28/2010
cis-1,3-Dichloropropene	BQL	0.00647	1	4/28/2010
trans-1,3-Dichloropropene	BQL	0.00647	1	4/28/2010
Dichlorodifluoromethane	BQL	0.00647	1	4/28/2010
Diisopropyl ether (DIPE)	BQL	0.00647	1	4/28/2010
Ethylbenzene	BQL	0.00647	1	4/28/2010
Hexachlorobutadiene	BQL	0.00647	1	4/28/2010
2-Hexanone	BQL	0.0162	1	4/28/2010
Iodomethane	BQL	0.00647	1	4/28/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-3 (6-8)
Client Project ID: NCDOT
Lab Sample ID G1037-69-3A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 09:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.26 g
%Solids: 73.5

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00647	1	4/28/2010
4-Isopropyltoluene	BQL	0.00647	1	4/28/2010
Methylene chloride	BQL	0.0259	1	4/28/2010
4-Methyl-2-pentanone	BQL	0.0162	1	4/28/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00647	1	4/28/2010
Naphthalene	BQL	0.00647	1	4/28/2010
n-Propyl benzene	BQL	0.00647	1	4/28/2010
Styrene	BQL	0.00647	1	4/28/2010
1,1,1,2-Tetrachloroethane	BQL	0.00647	1	4/28/2010
1,1,2,2-Tetrachloroethane	BQL	0.00647	1	4/28/2010
Tetrachloroethene	BQL	0.00647	1	4/28/2010
Toluene	BQL	0.00647	1	4/28/2010
1,2,3-Trichlorobenzene	BQL	0.00647	1	4/28/2010
1,2,4-Trichlorobenzene	BQL	0.00647	1	4/28/2010
Trichloroethene	BQL	0.00647	1	4/28/2010
1,1,1-Trichloroethane	BQL	0.00647	1	4/28/2010
1,1,2-Trichloroethane	BQL	0.00647	1	4/28/2010
Trichlorofluoromethane	BQL	0.00647	1	4/28/2010
1,2,3-Trichloropropane	BQL	0.00647	1	4/28/2010
1,2,4-Trimethylbenzene	BQL	0.00647	1	4/28/2010
1,3,5-Trimethylbenzene	BQL	0.00647	1	4/28/2010
Vinyl chloride	BQL	0.00647	1	4/28/2010
m-,p-Xylene	BQL	0.0129	1	4/28/2010
o-Xylene	BQL	0.00647	1	4/28/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0615	123
Toluene-d8	0.05	0.0467	93
4-Bromofluorobenzene	0.05	0.0441	88

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By: [signature]

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-4 (4-6)
Client Project ID: NCDOT
Lab Sample ID G1037-69-4A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 09:45
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 4.19 g
%Solids: 72.5

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0823	1	4/28/2010
Benzene	BQL	0.00823	1	4/28/2010
Bromobenzene	BQL	0.00823	1	4/28/2010
Bromochloromethane	BQL	0.00823	1	4/28/2010
Bromodichloromethane	BQL	0.00823	1	4/28/2010
Bromoform	BQL	0.00823	1	4/28/2010
Bromomethane	BQL	0.00823	1	4/28/2010
2-Butanone	BQL	0.0411	1	4/28/2010
n-Butylbenzene	BQL	0.00823	1	4/28/2010
sec-Butylbenzene	BQL	0.00823	1	4/28/2010
tert-Butylbenzene	BQL	0.00823	1	4/28/2010
Carbon disulfide	BQL	0.00823	1	4/28/2010
Carbon tetrachloride	BQL	0.00823	1	4/28/2010
Chlorobenzene	BQL	0.00823	1	4/28/2010
Chloroethane	BQL	0.00823	1	4/28/2010
Chloroform	BQL	0.00823	1	4/28/2010
Chloromethane	BQL	0.00823	1	4/28/2010
2-Chlorotoluene	BQL	0.00823	1	4/28/2010
4-Chlorotoluene	BQL	0.00823	1	4/28/2010
Dibromochloromethane	BQL	0.00823	1	4/28/2010
1,2-Dibromo-3-chloropropane	BQL	0.0411	1	4/28/2010
Dibromomethane	BQL	0.00823	1	4/28/2010
1,2-Dibromoethane (EDB)	BQL	0.00823	1	4/28/2010
1,2-Dichlorobenzene	BQL	0.00823	1	4/28/2010
1,3-Dichlorobenzene	BQL	0.00823	1	4/28/2010
1,4-Dichlorobenzene	BQL	0.00823	1	4/28/2010
trans-1,4-Dichloro-2-butene	BQL	0.0411	1	4/28/2010
1,1-Dichloroethane	BQL	0.00823	1	4/28/2010
1,1-Dichloroethene	BQL	0.00823	1	4/28/2010
1,2-Dichloroethane	BQL	0.00823	1	4/28/2010
cis-1,2-Dichloroethene	BQL	0.00823	1	4/28/2010
trans-1,2-dichloroethene	BQL	0.00823	1	4/28/2010
1,2-Dichloropropane	BQL	0.00823	1	4/28/2010
1,3-Dichloropropane	BQL	0.00823	1	4/28/2010
2,2-Dichloropropane	BQL	0.00823	1	4/28/2010
1,1-Dichloropropene	BQL	0.00823	1	4/28/2010
cis-1,3-Dichloropropene	BQL	0.00823	1	4/28/2010
trans-1,3-Dichloropropene	BQL	0.00823	1	4/28/2010
Dichlorodifluoromethane	BQL	0.00823	1	4/28/2010
Diisopropyl ether (DIPE)	BQL	0.00823	1	4/28/2010
Ethylbenzene	BQL	0.00823	1	4/28/2010
Hexachlorobutadiene	BQL	0.00823	1	4/28/2010
2-Hexanone	BQL	0.0206	1	4/28/2010
Iodomethane	BQL	0.00823	1	4/28/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-4 (4-6)
Client Project ID: NCDOT
Lab Sample ID G1037-69-4A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 09:45
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 4.19 g
%Solids: 72.5

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00823	1	4/28/2010
4-Isopropyltoluene	BQL	0.00823	1	4/28/2010
Methylene chloride	BQL	0.0329	1	4/28/2010
4-Methyl-2-pentanone	BQL	0.0206	1	4/28/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00823	1	4/28/2010
Naphthalene	BQL	0.00823	1	4/28/2010
n-Propyl benzene	BQL	0.00823	1	4/28/2010
Styrene	BQL	0.00823	1	4/28/2010
1,1,1,2-Tetrachloroethane	BQL	0.00823	1	4/28/2010
1,1,2,2-Tetrachloroethane	BQL	0.00823	1	4/28/2010
Tetrachloroethene	BQL	0.00823	1	4/28/2010
Toluene	BQL	0.00823	1	4/28/2010
1,2,3-Trichlorobenzene	BQL	0.00823	1	4/28/2010
1,2,4-Trichlorobenzene	BQL	0.00823	1	4/28/2010
Trichloroethene	**0.120**	0.00823	1	4/28/2010
1,1,1-Trichloroethane	**0.0162**	0.00823	1	4/28/2010
1,1,2-Trichloroethane	BQL	0.00823	1	4/28/2010
Trichlorofluoromethane	BQL	0.00823	1	4/28/2010
1,2,3-Trichloropropane	BQL	0.00823	1	4/28/2010
1,2,4-Trimethylbenzene	BQL	0.00823	1	4/28/2010
1,3,5-Trimethylbenzene	BQL	0.00823	1	4/28/2010
Vinyl chloride	BQL	0.00823	1	4/28/2010
m-,p-Xylene	BQL	0.0165	1	4/28/2010
o-Xylene	BQL	0.00823	1	4/28/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0611	122
Toluene-d8	0.05	0.0464	93
4-Bromofluorobenzene	0.05	0.0441	88

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By:

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-4 (12-14)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-5D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/19/2010 10:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.31 g
%Solids: 72.9

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	1.61	50	4/30/2010
Benzene	BQL	0.0646	50	4/30/2010
Bromobenzene	BQL	0.0646	50	4/30/2010
Bromochloromethane	BQL	0.0646	50	4/30/2010
Bromodichloromethane	BQL	0.0646	50	4/30/2010
Bromoform	BQL	0.0646	50	4/30/2010
Bromomethane	BQL	0.0646	50	4/30/2010
2-Butanone	BQL	1.61	50	4/30/2010
n-Butylbenzene	BQL	0.0646	50	4/30/2010
sec-Butylbenzene	BQL	0.0646	50	4/30/2010
tert-Butylbenzene	BQL	0.0646	50	4/30/2010
Carbon disulfide	BQL	0.0646	50	4/30/2010
Carbon tetrachloride	BQL	0.0646	50	4/30/2010
Chlorobenzene	BQL	0.0646	50	4/30/2010
Chloroethane	BQL	0.0646	50	4/30/2010
Chloroform	BQL	0.0646	50	4/30/2010
Chloromethane	BQL	0.0646	50	4/30/2010
2-Chlorotoluene	BQL	0.0646	50	4/30/2010
4-Chlorotoluene	BQL	0.0646	50	4/30/2010
Dibromochloromethane	BQL	0.0646	50	4/30/2010
1,2-Dibromo-3-chloropropane	BQL	0.323	50	4/30/2010
Dibromomethane	BQL	0.0646	50	4/30/2010
1,2-Dibromoethane (EDB)	BQL	0.0646	50	4/30/2010
1,2-Dichlorobenzene	BQL	0.0646	50	4/30/2010
1,3-Dichlorobenzene	BQL	0.0646	50	4/30/2010
1,4-Dichlorobenzene	BQL	0.0646	50	4/30/2010
trans-1,4-Dichloro-2-butene	BQL	0.323	50	4/30/2010
1,1-Dichloroethane	BQL	0.0646	50	4/30/2010
1,1-Dichloroethene	BQL	0.0646	50	4/30/2010
1,2-Dichloroethane	BQL	0.0646	50	4/30/2010
cis-1,2-Dichloroethene	BQL	0.0646	50	4/30/2010
trans-1,2-dichloroethene	BQL	0.0646	50	4/30/2010
1,2-Dichloropropane	BQL	0.0646	50	4/30/2010
1,3-Dichloropropane	BQL	0.0646	50	4/30/2010
2,2-Dichloropropane	BQL	0.0646	50	4/30/2010
1,1-Dichloropropene	BQL	0.0646	50	4/30/2010
cis-1,3-Dichloropropene	BQL	0.0646	50	4/30/2010
trans-1,3-Dichloropropene	BQL	0.0646	50	4/30/2010
Dichlorodifluoromethane	BQL	0.323	50	4/30/2010
Diisopropyl ether (DIPE)	BQL	0.0646	50	4/30/2010
Ethylbenzene	BQL	0.0646	50	4/30/2010
Hexachlorobutadiene	BQL	0.0646	50	4/30/2010
2-Hexanone	BQL	0.323	50	4/30/2010
Iodomethane	BQL	0.0646	50	4/30/2010
Isopropylbenzene	BQL	0.0646	50	4/30/2010

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-4 (12-14)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-5D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/19/2010 10:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.31 g
%Solids: 72.9

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.0646	50	4/30/2010
Methylene chloride	BQL	0.323	50	4/30/2010
4-Methyl-2-pentanone	BQL	0.323	50	4/30/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.0646	50	4/30/2010
Naphthalene	BQL	0.0646	50	4/30/2010
n-Propyl benzene	BQL	0.0646	50	4/30/2010
Styrene	BQL	0.0646	50	4/30/2010
1,1,1,2-Tetrachloroethane	BQL	0.0646	50	4/30/2010
1,1,2,2-Tetrachloroethane	BQL	0.0646	50	4/30/2010
Tetrachloroethene	BQL	0.0646	50	4/30/2010
Toluene	BQL	0.0646	50	4/30/2010
1,2,3-Trichlorobenzene	BQL	0.0646	50	4/30/2010
1,2,4-Trichlorobenzene	BQL	0.0646	50	4/30/2010
Trichloroethene	**0.394**	0.0646	50	4/30/2010
1,1,1-Trichloroethane	BQL	0.0646	50	4/30/2010
1,1,2-Trichloroethane	BQL	0.0646	50	4/30/2010
Trichlorofluoromethane	BQL	0.0646	50	4/30/2010
1,2,3-Trichloropropane	BQL	0.0646	50	4/30/2010
1,2,4-Trimethylbenzene	BQL	0.0646	50	4/30/2010
1,3,5-Trimethylbenzene	BQL	0.0646	50	4/30/2010
Vinyl chloride	BQL	0.0646	50	4/30/2010
m-,p-Xylene	BQL	0.129	50	4/30/2010
o-Xylene	BQL	0.0646	50	4/30/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0316	105
Toluene-d8	0.03	0.0275	92
4-Bromofluorobenzene	0.03	0.0288	96

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: for CLP

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-4 (20-22)
Client Project ID: NCDOT
Lab Sample ID G1037-69-6A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 10:15
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.96 g
%Solids: 74.5

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0562	1	4/28/2010
Benzene	BQL	0.00562	1	4/28/2010
Bromobenzene	BQL	0.00562	1	4/28/2010
Bromochloromethane	BQL	0.00562	1	4/28/2010
Bromodichloromethane	BQL	0.00562	1	4/28/2010
Bromoform	BQL	0.00562	1	4/28/2010
Bromomethane	BQL	0.00562	1	4/28/2010
2-Butanone	BQL	0.0281	1	4/28/2010
n-Butylbenzene	BQL	0.00562	1	4/28/2010
sec-Butylbenzene	BQL	0.00562	1	4/28/2010
tert-Butylbenzene	BQL	0.00562	1	4/28/2010
Carbon disulfide	BQL	0.00562	1	4/28/2010
Carbon tetrachloride	BQL	0.00562	1	4/28/2010
Chlorobenzene	BQL	0.00562	1	4/28/2010
Chloroethane	BQL	0.00562	1	4/28/2010
Chloroform	BQL	0.00562	1	4/28/2010
Chloromethane	BQL	0.00562	1	4/28/2010
2-Chlorotoluene	BQL	0.00562	1	4/28/2010
4-Chlorotoluene	BQL	0.00562	1	4/28/2010
Dibromochloromethane	BQL	0.00562	1	4/28/2010
1,2-Dibromo-3-chloropropane	BQL	0.0281	1	4/28/2010
Dibromomethane	BQL	0.00562	1	4/28/2010
1,2-Dibromoethane (EDB)	BQL	0.00562	1	4/28/2010
1,2-Dichlorobenzene	BQL	0.00562	1	4/28/2010
1,3-Dichlorobenzene	BQL	0.00562	1	4/28/2010
1,4-Dichlorobenzene	BQL	0.00562	1	4/28/2010
trans-1,4-Dichloro-2-butene	BQL	0.0281	1	4/28/2010
1,1-Dichloroethane	BQL	0.00562	1	4/28/2010
1,1-Dichloroethene	BQL	0.00562	1	4/28/2010
1,2-Dichloroethane	BQL	0.00562	1	4/28/2010
cis-1,2-Dichloroethene	BQL	0.00562	1	4/28/2010
trans-1,2-dichloroethene	BQL	0.00562	1	4/28/2010
1,2-Dichloropropane	BQL	0.00562	1	4/28/2010
1,3-Dichloropropane	BQL	0.00562	1	4/28/2010
2,2-Dichloropropane	BQL	0.00562	1	4/28/2010
1,1-Dichloropropene	BQL	0.00562	1	4/28/2010
cis-1,3-Dichloropropene	BQL	0.00562	1	4/28/2010
trans-1,3-Dichloropropene	BQL	0.00562	1	4/28/2010
Dichlorodifluoromethane	BQL	0.00562	1	4/28/2010
Diisopropyl ether (DIPE)	BQL	0.00562	1	4/28/2010
Ethylbenzene	BQL	0.00562	1	4/28/2010
Hexachlorobutadiene	BQL	0.00562	1	4/28/2010
2-Hexanone	BQL	0.0140	1	4/28/2010
Iodomethane	BQL	0.00562	1	4/28/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-4 (20-22)
Client Project ID: NCDOT
Lab Sample ID G1037-69-6A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 10:15
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.96 g
%Solids: 74.5

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00562	1	4/28/2010
4-Isopropyltoluene	BQL	0.00562	1	4/28/2010
Methylene chloride	BQL	0.0225	1	4/28/2010
4-Methyl-2-pentanone	BQL	0.0140	1	4/28/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00562	1	4/28/2010
Naphthalene	BQL	0.00562	1	4/28/2010
n-Propyl benzene	BQL	0.00562	1	4/28/2010
Styrene	BQL	0.00562	1	4/28/2010
1,1,1,2-Tetrachloroethane	BQL	0.00562	1	4/28/2010
1,1,2,2-Tetrachloroethane	BQL	0.00562	1	4/28/2010
Tetrachloroethene	BQL	0.00562	1	4/28/2010
Toluene	BQL	0.00562	1	4/28/2010
1,2,3-Trichlorobenzene	BQL	0.00562	1	4/28/2010
1,2,4-Trichlorobenzene	BQL	0.00562	1	4/28/2010
Trichloroethene	**0.0290**	0.00562	1	4/28/2010
1,1,1-Trichloroethane	BQL	0.00562	1	4/28/2010
1,1,2-Trichloroethane	BQL	0.00562	1	4/28/2010
Trichlorofluoromethane	BQL	0.00562	1	4/28/2010
1,2,3-Trichloropropane	BQL	0.00562	1	4/28/2010
1,2,4-Trimethylbenzene	BQL	0.00562	1	4/28/2010
1,3,5-Trimethylbenzene	BQL	0.00562	1	4/28/2010
Vinyl chloride	BQL	0.00562	1	4/28/2010
m-,p-Xylene	BQL	0.0112	1	4/28/2010
o-Xylene	BQL	0.00562	1	4/28/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0623	125
Toluene-d8	0.05	0.0466	93
4-Bromofluorobenzene	0.05	0.0434	87

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: OVO

Reviewed By: [signature]

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-5 (14-16)
Client Project ID: NCDOT
Lab Sample ID G1037-69-7A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 10:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 6.09 g
%Solids: 80.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0511	1	4/28/2010
Benzene	BQL	0.00511	1	4/28/2010
Bromobenzene	BQL	0.00511	1	4/28/2010
Bromochloromethane	BQL	0.00511	1	4/28/2010
Bromodichloromethane	BQL	0.00511	1	4/28/2010
Bromoform	BQL	0.00511	1	4/28/2010
Bromomethane	BQL	0.00511	1	4/28/2010
2-Butanone	BQL	0.0256	1	4/28/2010
n-Butylbenzene	BQL	0.00511	1	4/28/2010
sec-Butylbenzene	BQL	0.00511	1	4/28/2010
tert-Butylbenzene	BQL	0.00511	1	4/28/2010
Carbon disulfide	BQL	0.00511	1	4/28/2010
Carbon tetrachloride	BQL	0.00511	1	4/28/2010
Chlorobenzene	BQL	0.00511	1	4/28/2010
Chloroethane	BQL	0.00511	1	4/28/2010
Chloroform	BQL	0.00511	1	4/28/2010
Chloromethane	BQL	0.00511	1	4/28/2010
2-Chlorotoluene	BQL	0.00511	1	4/28/2010
4-Chlorotoluene	BQL	0.00511	1	4/28/2010
Dibromochloromethane	BQL	0.00511	1	4/28/2010
1,2-Dibromo-3-chloropropane	BQL	0.0256	1	4/28/2010
Dibromomethane	BQL	0.00511	1	4/28/2010
1,2-Dibromoethane (EDB)	BQL	0.00511	1	4/28/2010
1,2-Dichlorobenzene	BQL	0.00511	1	4/28/2010
1,3-Dichlorobenzene	BQL	0.00511	1	4/28/2010
1,4-Dichlorobenzene	BQL	0.00511	1	4/28/2010
trans-1,4-Dichloro-2-butene	BQL	0.0256	1	4/28/2010
1,1-Dichloroethane	BQL	0.00511	1	4/28/2010
1,1-Dichloroethene	BQL	0.00511	1	4/28/2010
1,2-Dichloroethane	BQL	0.00511	1	4/28/2010
cis-1,2-Dichloroethene	BQL	0.00511	1	4/28/2010
trans-1,2-dichloroethene	BQL	0.00511	1	4/28/2010
1,2-Dichloropropane	BQL	0.00511	1	4/28/2010
1,3-Dichloropropane	BQL	0.00511	1	4/28/2010
2,2-Dichloropropane	BQL	0.00511	1	4/28/2010
1,1-Dichloropropene	BQL	0.00511	1	4/28/2010
cis-1,3-Dichloropropene	BQL	0.00511	1	4/28/2010
trans-1,3-Dichloropropene	BQL	0.00511	1	4/28/2010
Dichlorodifluoromethane	BQL	0.00511	1	4/28/2010
Diisopropyl ether (DIPE)	BQL	0.00511	1	4/28/2010
Ethylbenzene	BQL	0.00511	1	4/28/2010
Hexachlorobutadiene	BQL	0.00511	1	4/28/2010
2-Hexanone	BQL	0.0128	1	4/28/2010
Iodomethane	BQL	0.00511	1	4/28/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-5 (14-16)
Client Project ID: NCDOT
Lab Sample ID G1037-69-7A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 10:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 6.09 g
%Solids: 80.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00511	1	4/28/2010
4-Isopropyltoluene	BQL	0.00511	1	4/28/2010
Methylene chloride	BQL	0.0205	1	4/28/2010
4-Methyl-2-pentanone	BQL	0.0128	1	4/28/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00511	1	4/28/2010
Naphthalene	BQL	0.00511	1	4/28/2010
n-Propyl benzene	BQL	0.00511	1	4/28/2010
Styrene	BQL	0.00511	1	4/28/2010
1,1,1,2-Tetrachloroethane	BQL	0.00511	1	4/28/2010
1,1,2,2-Tetrachloroethane	BQL	0.00511	1	4/28/2010
Tetrachloroethene	BQL	0.00511	1	4/28/2010
Toluene	BQL	0.00511	1	4/28/2010
1,2,3-Trichlorobenzene	BQL	0.00511	1	4/28/2010
1,2,4-Trichlorobenzene	BQL	0.00511	1	4/28/2010
Trichloroethene	**0.0870**	0.00511	1	4/28/2010
1,1,1-Trichloroethane	BQL	0.00511	1	4/28/2010
1,1,2-Trichloroethane	BQL	0.00511	1	4/28/2010
Trichlorofluoromethane	BQL	0.00511	1	4/28/2010
1,2,3-Trichloropropane	BQL	0.00511	1	4/28/2010
1,2,4-Trimethylbenzene	BQL	0.00511	1	4/28/2010
1,3,5-Trimethylbenzene	BQL	0.00511	1	4/28/2010
Vinyl chloride	BQL	0.00511	1	4/28/2010
m-,p-Xylene	BQL	0.0102	1	4/28/2010
o-Xylene	BQL	0.00511	1	4/28/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0655	131
Toluene-d8	0.05	0.0464	93
4-Bromofluorobenzene	0.05	0.0426	85

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVD

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-6 (12-14)
Client Project ID: NCDOT
Lab Sample ID G1037-69-8A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 10:45
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.88 g
%Solids: 72.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0586	1	4/28/2010
Benzene	BQL	0.00586	1	4/28/2010
Bromobenzene	BQL	0.00586	1	4/28/2010
Bromochloromethane	BQL	0.00586	1	4/28/2010
Bromodichloromethane	BQL	0.00586	1	4/28/2010
Bromoform	BQL	0.00586	1	4/28/2010
Bromomethane	BQL	0.00586	1	4/28/2010
2-Butanone	BQL	0.0293	1	4/28/2010
n-Butylbenzene	BQL	0.00586	1	4/28/2010
sec-Butylbenzene	BQL	0.00586	1	4/28/2010
tert-Butylbenzene	BQL	0.00586	1	4/28/2010
Carbon disulfide	BQL	0.00586	1	4/28/2010
Carbon tetrachloride	BQL	0.00586	1	4/28/2010
Chlorobenzene	BQL	0.00586	1	4/28/2010
Chloroethane	BQL	0.00586	1	4/28/2010
Chloroform	BQL	0.00586	1	4/28/2010
Chloromethane	BQL	0.00586	1	4/28/2010
2-Chlorotoluene	BQL	0.00586	1	4/28/2010
4-Chlorotoluene	BQL	0.00586	1	4/28/2010
Dibromochloromethane	BQL	0.00586	1	4/28/2010
1,2-Dibromo-3-chloropropane	BQL	0.0293	1	4/28/2010
Dibromomethane	BQL	0.00586	1	4/28/2010
1,2-Dibromoethane (EDB)	BQL	0.00586	1	4/28/2010
1,2-Dichlorobenzene	BQL	0.00586	1	4/28/2010
1,3-Dichlorobenzene	BQL	0.00586	1	4/28/2010
1,4-Dichlorobenzene	BQL	0.00586	1	4/28/2010
trans-1,4-Dichloro-2-butene	BQL	0.0293	1	4/28/2010
1,1-Dichloroethane	BQL	0.00586	1	4/28/2010
1,1-Dichloroethene	BQL	0.00586	1	4/28/2010
1,2-Dichloroethane	BQL	0.00586	1	4/28/2010
cis-1,2-Dichloroethene	BQL	0.00586	1	4/28/2010
trans-1,2-dichloroethene	BQL	0.00586	1	4/28/2010
1,2-Dichloropropane	BQL	0.00586	1	4/28/2010
1,3-Dichloropropane	BQL	0.00586	1	4/28/2010
2,2-Dichloropropane	BQL	0.00586	1	4/28/2010
1,1-Dichloropropene	BQL	0.00586	1	4/28/2010
cis-1,3-Dichloropropene	BQL	0.00586	1	4/28/2010
trans-1,3-Dichloropropene	BQL	0.00586	1	4/28/2010
Dichlorodifluoromethane	BQL	0.00586	1	4/28/2010
Diisopropyl ether (DIPE)	BQL	0.00586	1	4/28/2010
Ethylbenzene	BQL	0.00586	1	4/28/2010
Hexachlorobutadiene	BQL	0.00586	1	4/28/2010
2-Hexanone	BQL	0.0147	1	4/28/2010
Iodomethane	BQL	0.00586	1	4/28/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-6 (12-14)
Client Project ID: NCDOT
Lab Sample ID G1037-69-8A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 10:45
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.88 g
%Solids: 72.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00586	1	4/28/2010
4-Isopropyltoluene	BQL	0.00586	1	4/28/2010
Methylene chloride	BQL	0.0235	1	4/28/2010
4-Methyl-2-pentanone	BQL	0.0147	1	4/28/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00586	1	4/28/2010
Naphthalene	BQL	0.00586	1	4/28/2010
n-Propyl benzene	BQL	0.00586	1	4/28/2010
Styrene	BQL	0.00586	1	4/28/2010
1,1,1,2-Tetrachloroethane	BQL	0.00586	1	4/28/2010
1,1,2,2-Tetrachloroethane	BQL	0.00586	1	4/28/2010
Tetrachloroethene	BQL	0.00586	1	4/28/2010
Toluene	BQL	0.00586	1	4/28/2010
1,2,3-Trichlorobenzene	BQL	0.00586	1	4/28/2010
1,2,4-Trichlorobenzene	BQL	0.00586	1	4/28/2010
Trichloroethene	BQL	0.00586	1	4/28/2010
1,1,1-Trichloroethane	BQL	0.00586	1	4/28/2010
1,1,2-Trichloroethane	BQL	0.00586	1	4/28/2010
Trichlorofluoromethane	BQL	0.00586	1	4/28/2010
1,2,3-Trichloropropane	BQL	0.00586	1	4/28/2010
1,2,4-Trimethylbenzene	BQL	0.00586	1	4/28/2010
1,3,5-Trimethylbenzene	BQL	0.00586	1	4/28/2010
Vinyl chloride	BQL	0.00586	1	4/28/2010
m-,p-Xylene	BQL	0.0117	1	4/28/2010
o-Xylene	BQL	0.00586	1	4/28/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0628	126
Toluene-d8	0.05	0.0462	92
4-Bromofluorobenzene	0.05	0.0444	89

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By: [signature]

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-7 (8-10)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-9D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/19/2010 11:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 10.7 g
%Solids: 78.6

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.740	50	4/30/2010
Benzene	BQL	0.0296	50	4/30/2010
Bromobenzene	BQL	0.0296	50	4/30/2010
Bromochloromethane	BQL	0.0296	50	4/30/2010
Bromodichloromethane	BQL	0.0296	50	4/30/2010
Bromoform	BQL	0.0296	50	4/30/2010
Bromomethane	BQL	0.0296	50	4/30/2010
2-Butanone	BQL	0.740	50	4/30/2010
n-Butylbenzene	BQL	0.0296	50	4/30/2010
sec-Butylbenzene	BQL	0.0296	50	4/30/2010
tert-Butylbenzene	BQL	0.0296	50	4/30/2010
Carbon disulfide	BQL	0.0296	50	4/30/2010
Carbon tetrachloride	BQL	0.0296	50	4/30/2010
Chlorobenzene	BQL	0.0296	50	4/30/2010
Chloroethane	BQL	0.0296	50	4/30/2010
Chloroform	BQL	0.0296	50	4/30/2010
Chloromethane	BQL	0.0296	50	4/30/2010
2-Chlorotoluene	BQL	0.0296	50	4/30/2010
4-Chlorotoluene	BQL	0.0296	50	4/30/2010
Dibromochloromethane	BQL	0.0296	50	4/30/2010
1,2-Dibromo-3-chloropropane	BQL	0.148	50	4/30/2010
Dibromomethane	BQL	0.0296	50	4/30/2010
1,2-Dibromoethane (EDB)	BQL	0.0296	50	4/30/2010
1,2-Dichlorobenzene	BQL	0.0296	50	4/30/2010
1,3-Dichlorobenzene	BQL	0.0296	50	4/30/2010
1,4-Dichlorobenzene	BQL	0.0296	50	4/30/2010
trans-1,4-Dichloro-2-butene	BQL	0.148	50	4/30/2010
1,1-Dichloroethane	BQL	0.0296	50	4/30/2010
1,1-Dichloroethene	BQL	0.0296	50	4/30/2010
1,2-Dichloroethane	BQL	0.0296	50	4/30/2010
cis-1,2-Dichloroethene	BQL	0.0296	50	4/30/2010
trans-1,2-dichloroethene	BQL	0.0296	50	4/30/2010
1,2-Dichloropropane	BQL	0.0296	50	4/30/2010
1,3-Dichloropropane	BQL	0.0296	50	4/30/2010
2,2-Dichloropropane	BQL	0.0296	50	4/30/2010
1,1-Dichloropropene	BQL	0.0296	50	4/30/2010
cis-1,3-Dichloropropene	BQL	0.0296	50	4/30/2010
trans-1,3-Dichloropropene	BQL	0.0296	50	4/30/2010
Dichlorodifluoromethane	BQL	0.148	50	4/30/2010
Diisopropyl ether (DIPE)	BQL	0.0296	50	4/30/2010
Ethylbenzene	BQL	0.0296	50	4/30/2010
Hexachlorobutadiene	BQL	0.0296	50	4/30/2010
2-Hexanone	BQL	0.148	50	4/30/2010
Iodomethane	BQL	0.0296	50	4/30/2010
Isopropylbenzene	BQL	0.0296	50	4/30/2010

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-7 (8-10)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-9D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/19/2010 11:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 10.7 g
%Solids: 78.6

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.0296	50	4/30/2010
Methylene chloride	BQL	0.148	50	4/30/2010
4-Methyl-2-pentanone	BQL	0.148	50	4/30/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.0296	50	4/30/2010
Naphthalene	BQL	0.0296	50	4/30/2010
n-Propyl benzene	BQL	0.0296	50	4/30/2010
Styrene	BQL	0.0296	50	4/30/2010
1,1,1,2-Tetrachloroethane	BQL	0.0296	50	4/30/2010
1,1,2,2-Tetrachloroethane	BQL	0.0296	50	4/30/2010
Tetrachloroethene	BQL	0.0296	50	4/30/2010
Toluene	BQL	0.0296	50	4/30/2010
1,2,3-Trichlorobenzene	BQL	0.0296	50	4/30/2010
1,2,4-Trichlorobenzene	BQL	0.0296	50	4/30/2010
Trichloroethene	**0.256**	0.0296	50	4/30/2010
1,1,1-Trichloroethane	BQL	0.0296	50	4/30/2010
1,1,2-Trichloroethane	BQL	0.0296	50	4/30/2010
Trichlorofluoromethane	BQL	0.0296	50	4/30/2010
1,2,3-Trichloropropane	BQL	0.0296	50	4/30/2010
1,2,4-Trimethylbenzene	BQL	0.0296	50	4/30/2010
1,3,5-Trimethylbenzene	BQL	0.0296	50	4/30/2010
Vinyl chloride	BQL	0.0296	50	4/30/2010
m-,p-Xylene	BQL	0.0592	50	4/30/2010
o-Xylene	BQL	0.0296	50	4/30/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0317	105
Toluene-d8	0.03	0.0277	92
4-Bromofluorobenzene	0.03	0.0284	95

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-7 (14-16)
Client Project ID: NCDOT
Lab Sample ID G1037-69-10A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 11:15
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.76 g
%Solids: 85.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0509	1	4/28/2010
Benzene	BQL	0.00509	1	4/28/2010
Bromobenzene	BQL	0.00509	1	4/28/2010
Bromochloromethane	BQL	0.00509	1	4/28/2010
Bromodichloromethane	BQL	0.00509	1	4/28/2010
Bromoform	BQL	0.00509	1	4/28/2010
Bromomethane	BQL	0.00509	1	4/28/2010
2-Butanone	BQL	0.0255	1	4/28/2010
n-Butylbenzene	BQL	0.00509	1	4/28/2010
sec-Butylbenzene	BQL	0.00509	1	4/28/2010
tert-Butylbenzene	BQL	0.00509	1	4/28/2010
Carbon disulfide	BQL	0.00509	1	4/28/2010
Carbon tetrachloride	BQL	0.00509	1	4/28/2010
Chlorobenzene	BQL	0.00509	1	4/28/2010
Chloroethane	BQL	0.00509	1	4/28/2010
Chloroform	BQL	0.00509	1	4/28/2010
Chloromethane	BQL	0.00509	1	4/28/2010
2-Chlorotoluene	BQL	0.00509	1	4/28/2010
4-Chlorotoluene	BQL	0.00509	1	4/28/2010
Dibromochloromethane	BQL	0.00509	1	4/28/2010
1,2-Dibromo-3-chloropropane	BQL	0.0255	1	4/28/2010
Dibromomethane	BQL	0.00509	1	4/28/2010
1,2-Dibromoethane (EDB)	BQL	0.00509	1	4/28/2010
1,2-Dichlorobenzene	BQL	0.00509	1	4/28/2010
1,3-Dichlorobenzene	BQL	0.00509	1	4/28/2010
1,4-Dichlorobenzene	BQL	0.00509	1	4/28/2010
trans-1,4-Dichloro-2-butene	BQL	0.0255	1	4/28/2010
1,1-Dichloroethane	BQL	0.00509	1	4/28/2010
1,1-Dichloroethene	BQL	0.00509	1	4/28/2010
1,2-Dichloroethane	BQL	0.00509	1	4/28/2010
cis-1,2-Dichloroethene	BQL	0.00509	1	4/28/2010
trans-1,2-dichloroethene	BQL	0.00509	1	4/28/2010
1,2-Dichloropropane	BQL	0.00509	1	4/28/2010
1,3-Dichloropropane	BQL	0.00509	1	4/28/2010
2,2-Dichloropropane	BQL	0.00509	1	4/28/2010
1,1-Dichloropropene	BQL	0.00509	1	4/28/2010
cis-1,3-Dichloropropene	BQL	0.00509	1	4/28/2010
trans-1,3-Dichloropropene	BQL	0.00509	1	4/28/2010
Dichlorodifluoromethane	BQL	0.00509	1	4/28/2010
Diisopropyl ether (DIPE)	BQL	0.00509	1	4/28/2010
Ethylbenzene	BQL	0.00509	1	4/28/2010
Hexachlorobutadiene	BQL	0.00509	1	4/28/2010
2-Hexanone	BQL	0.0127	1	4/28/2010
Iodomethane	BQL	0.00509	1	4/28/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-7 (14-16)
Client Project ID: NCDOT
Lab Sample ID G1037-69-10A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 11:15
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.76 g
%Solids: 85.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00509	1	4/28/2010
4-Isopropyltoluene	BQL	0.00509	1	4/28/2010
Methylene chloride	BQL	0.0204	1	4/28/2010
4-Methyl-2-pentanone	BQL	0.0127	1	4/28/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00509	1	4/28/2010
Naphthalene	BQL	0.00509	1	4/28/2010
n-Propyl benzene	BQL	0.00509	1	4/28/2010
Styrene	BQL	0.00509	1	4/28/2010
1,1,1,2-Tetrachloroethane	BQL	0.00509	1	4/28/2010
1,1,2,2-Tetrachloroethane	BQL	0.00509	1	4/28/2010
Tetrachloroethene	BQL	0.00509	1	4/28/2010
Toluene	BQL	0.00509	1	4/28/2010
1,2,3-Trichlorobenzene	BQL	0.00509	1	4/28/2010
1,2,4-Trichlorobenzene	BQL	0.00509	1	4/28/2010
Trichloroethene	**0.0869**	0.00509	1	4/28/2010
1,1,1-Trichloroethane	BQL	0.00509	1	4/28/2010
1,1,2-Trichloroethane	**0.0149**	0.00509	1	4/28/2010
Trichlorofluoromethane	BQL	0.00509	1	4/28/2010
1,2,3-Trichloropropane	BQL	0.00509	1	4/28/2010
1,2,4-Trimethylbenzene	BQL	0.00509	1	4/28/2010
1,3,5-Trimethylbenzene	BQL	0.00509	1	4/28/2010
Vinyl chloride	BQL	0.00509	1	4/28/2010
m-,p-Xylene	BQL	0.0102	1	4/28/2010
o-Xylene	BQL	0.00509	1	4/28/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0633	127
Toluene-d8	0.05	0.0479	96
4-Bromofluorobenzene	0.05	0.045	90

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By:

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-8 (10-12)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-11D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/19/2010 11:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.48 g
%Solids: 74.8

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	6.10	200	4/30/2010
Benzene	BQL	0.244	200	4/30/2010
Bromobenzene	BQL	0.244	200	4/30/2010
Bromochloromethane	BQL	0.244	200	4/30/2010
Bromodichloromethane	BQL	0.244	200	4/30/2010
Bromoform	BQL	0.244	200	4/30/2010
Bromomethane	BQL	0.244	200	4/30/2010
2-Butanone	BQL	6.10	200	4/30/2010
n-Butylbenzene	BQL	0.244	200	4/30/2010
sec-Butylbenzene	BQL	0.244	200	4/30/2010
tert-Butylbenzene	BQL	0.244	200	4/30/2010
Carbon disulfide	BQL	0.244	200	4/30/2010
Carbon tetrachloride	BQL	0.244	200	4/30/2010
Chlorobenzene	BQL	0.244	200	4/30/2010
Chloroethane	BQL	0.244	200	4/30/2010
Chloroform	BQL	0.244	200	4/30/2010
Chloromethane	BQL	0.244	200	4/30/2010
2-Chlorotoluene	BQL	0.244	200	4/30/2010
4-Chlorotoluene	BQL	0.244	200	4/30/2010
Dibromochloromethane	BQL	0.244	200	4/30/2010
1,2-Dibromo-3-chloropropane	BQL	1.22	200	4/30/2010
Dibromomethane	BQL	0.244	200	4/30/2010
1,2-Dibromoethane (EDB)	BQL	0.244	200	4/30/2010
1,2-Dichlorobenzene	BQL	0.244	200	4/30/2010
1,3-Dichlorobenzene	BQL	0.244	200	4/30/2010
1,4-Dichlorobenzene	BQL	0.244	200	4/30/2010
trans-1,4-Dichloro-2-butene	BQL	1.22	200	4/30/2010
1,1-Dichloroethane	BQL	0.244	200	4/30/2010
1,1-Dichloroethene	BQL	0.244	200	4/30/2010
1,2-Dichloroethane	BQL	0.244	200	4/30/2010
cis-1,2-Dichloroethene	BQL	0.244	200	4/30/2010
trans-1,2-dichloroethene	BQL	0.244	200	4/30/2010
1,2-Dichloropropane	BQL	0.244	200	4/30/2010
1,3-Dichloropropane	BQL	0.244	200	4/30/2010
2,2-Dichloropropane	BQL	0.244	200	4/30/2010
1,1-Dichloropropene	BQL	0.244	200	4/30/2010
cis-1,3-Dichloropropene	BQL	0.244	200	4/30/2010
trans-1,3-Dichloropropene	BQL	0.244	200	4/30/2010
Dichlorodifluoromethane	BQL	1.22	200	4/30/2010
Diisopropyl ether (DIPE)	BQL	0.244	200	4/30/2010
Ethylbenzene	BQL	0.244	200	4/30/2010
Hexachlorobutadiene	BQL	0.244	200	4/30/2010
2-Hexanone	BQL	1.22	200	4/30/2010
Iodomethane	BQL	0.244	200	4/30/2010
Isopropylbenzene	BQL	0.244	200	4/30/2010

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-8 (10-12)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-11D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/19/2010 11:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.48 g
%Solids: 74.8

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.244	200	4/30/2010
Methylene chloride	BQL	1.22	200	4/30/2010
4-Methyl-2-pentanone	BQL	1.22	200	4/30/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.244	200	4/30/2010
Naphthalene	BQL	0.244	200	4/30/2010
n-Propyl benzene	BQL	0.244	200	4/30/2010
Styrene	BQL	0.244	200	4/30/2010
1,1,1,2-Tetrachloroethane	BQL	0.244	200	4/30/2010
1,1,2,2-Tetrachloroethane	BQL	0.244	200	4/30/2010
Tetrachloroethene	BQL	0.244	200	4/30/2010
Toluene	BQL	0.244	200	4/30/2010
1,2,3-Trichlorobenzene	BQL	0.244	200	4/30/2010
1,2,4-Trichlorobenzene	BQL	0.244	200	4/30/2010
Trichloroethene	**3.32**	0.244	200	4/30/2010
1,1,1-Trichloroethane	BQL	0.244	200	4/30/2010
1,1,2-Trichloroethane	BQL	0.244	200	4/30/2010
Trichlorofluoromethane	BQL	0.244	200	4/30/2010
1,2,3-Trichloropropane	BQL	0.244	200	4/30/2010
1,2,4-Trimethylbenzene	BQL	0.244	200	4/30/2010
1,3,5-Trimethylbenzene	BQL	0.244	200	4/30/2010
Vinyl chloride	BQL	0.244	200	4/30/2010
m-,p-Xylene	BQL	0.488	200	4/30/2010
o-Xylene	BQL	0.244	200	4/30/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0314	105
Toluene-d8	0.03	0.0275	92
4-Bromofluorobenzene	0.03	0.0281	94

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By: [signature]

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-8 (14-16)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-12D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/19/2010 11:45
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 6.3 g
%Solids: 73.2

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	2.71	100	4/30/2010
Benzene	BQL	0.108	100	4/30/2010
Bromobenzene	BQL	0.108	100	4/30/2010
Bromochloromethane	BQL	0.108	100	4/30/2010
Bromodichloromethane	BQL	0.108	100	4/30/2010
Bromoform	BQL	0.108	100	4/30/2010
Bromomethane	BQL	0.108	100	4/30/2010
2-Butanone	BQL	2.71	100	4/30/2010
n-Butylbenzene	BQL	0.108	100	4/30/2010
sec-Butylbenzene	BQL	0.108	100	4/30/2010
tert-Butylbenzene	BQL	0.108	100	4/30/2010
Carbon disulfide	BQL	0.108	100	4/30/2010
Carbon tetrachloride	BQL	0.108	100	4/30/2010
Chlorobenzene	BQL	0.108	100	4/30/2010
Chloroethane	BQL	0.108	100	4/30/2010
Chloroform	BQL	0.108	100	4/30/2010
Chloromethane	BQL	0.108	100	4/30/2010
2-Chlorotoluene	BQL	0.108	100	4/30/2010
4-Chlorotoluene	BQL	0.108	100	4/30/2010
Dibromochloromethane	BQL	0.108	100	4/30/2010
1,2-Dibromo-3-chloropropane	BQL	0.542	100	4/30/2010
Dibromomethane	BQL	0.108	100	4/30/2010
1,2-Dibromoethane (EDB)	BQL	0.108	100	4/30/2010
1,2-Dichlorobenzene	BQL	0.108	100	4/30/2010
1,3-Dichlorobenzene	BQL	0.108	100	4/30/2010
1,4-Dichlorobenzene	BQL	0.108	100	4/30/2010
trans-1,4-Dichloro-2-butene	BQL	0.542	100	4/30/2010
1,1-Dichloroethane	BQL	0.108	100	4/30/2010
1,1-Dichloroethene	BQL	0.108	100	4/30/2010
1,2-Dichloroethane	BQL	0.108	100	4/30/2010
cis-1,2-Dichloroethene	BQL	0.108	100	4/30/2010
trans-1,2-dichloroethene	BQL	0.108	100	4/30/2010
1,2-Dichloropropane	BQL	0.108	100	4/30/2010
1,3-Dichloropropane	BQL	0.108	100	4/30/2010
2,2-Dichloropropane	BQL	0.108	100	4/30/2010
1,1-Dichloropropene	BQL	0.108	100	4/30/2010
cis-1,3-Dichloropropene	BQL	0.108	100	4/30/2010
trans-1,3-Dichloropropene	BQL	0.108	100	4/30/2010
Dichlorodifluoromethane	BQL	0.542	100	4/30/2010
Diisopropyl ether (DIPE)	BQL	0.108	100	4/30/2010
Ethylbenzene	BQL	0.108	100	4/30/2010
Hexachlorobutadiene	BQL	0.108	100	4/30/2010
2-Hexanone	BQL	0.542	100	4/30/2010
Iodomethane	BQL	0.108	100	4/30/2010
Isopropylbenzene	BQL	0.108	100	4/30/2010

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-8 (14-16)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-12D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/19/2010 11:45
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 6.3 g
%Solids: 73.2

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.108	100	4/30/2010
Methylene chloride	BQL	0.542	100	4/30/2010
4-Methyl-2-pentanone	BQL	0.542	100	4/30/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.108	100	4/30/2010
Naphthalene	BQL	0.108	100	4/30/2010
n-Propyl benzene	BQL	0.108	100	4/30/2010
Styrene	BQL	0.108	100	4/30/2010
1,1,1,2-Tetrachloroethane	BQL	0.108	100	4/30/2010
1,1,2,2-Tetrachloroethane	BQL	0.108	100	4/30/2010
Tetrachloroethene	BQL	0.108	100	4/30/2010
Toluene	BQL	0.108	100	4/30/2010
1,2,3-Trichlorobenzene	BQL	0.108	100	4/30/2010
1,2,4-Trichlorobenzene	BQL	0.108	100	4/30/2010
Trichloroethene	**0.897**	0.108	100	4/30/2010
1,1,1-Trichloroethane	BQL	0.108	100	4/30/2010
1,1,2-Trichloroethane	BQL	0.108	100	4/30/2010
Trichlorofluoromethane	BQL	0.108	100	4/30/2010
1,2,3-Trichloropropane	BQL	0.108	100	4/30/2010
1,2,4-Trimethylbenzene	BQL	0.108	100	4/30/2010
1,3,5-Trimethylbenzene	BQL	0.108	100	4/30/2010
Vinyl chloride	BQL	0.108	100	4/30/2010
m-,p-Xylene	BQL	0.217	100	4/30/2010
o-Xylene	BQL	0.108	100	4/30/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0324	108
Toluene-d8	0.03	0.0287	96
4-Bromofluorobenzene	0.03	0.0281	94

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVD

Reviewed By:

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-8 (18-20)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-13D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/19/2010 12:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 6.09 g
%Solids: 71.8

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	14.3	500	4/30/2010
Benzene	BQL	0.572	500	4/30/2010
Bromobenzene	BQL	0.572	500	4/30/2010
Bromochloromethane	BQL	0.572	500	4/30/2010
Bromodichloromethane	BQL	0.572	500	4/30/2010
Bromoform	BQL	0.572	500	4/30/2010
Bromomethane	BQL	0.572	500	4/30/2010
2-Butanone	BQL	14.3	500	4/30/2010
n-Butylbenzene	BQL	0.572	500	4/30/2010
sec-Butylbenzene	BQL	0.572	500	4/30/2010
tert-Butylbenzene	BQL	0.572	500	4/30/2010
Carbon disulfide	BQL	0.572	500	4/30/2010
Carbon tetrachloride	BQL	0.572	500	4/30/2010
Chlorobenzene	BQL	0.572	500	4/30/2010
Chloroethane	BQL	0.572	500	4/30/2010
Chloroform	BQL	0.572	500	4/30/2010
Chloromethane	BQL	0.572	500	4/30/2010
2-Chlorotoluene	BQL	0.572	500	4/30/2010
4-Chlorotoluene	BQL	0.572	500	4/30/2010
Dibromochloromethane	BQL	0.572	500	4/30/2010
1,2-Dibromo-3-chloropropane	BQL	2.86	500	4/30/2010
Dibromomethane	BQL	0.572	500	4/30/2010
1,2-Dibromoethane (EDB)	BQL	0.572	500	4/30/2010
1,2-Dichlorobenzene	BQL	0.572	500	4/30/2010
1,3-Dichlorobenzene	BQL	0.572	500	4/30/2010
1,4-Dichlorobenzene	BQL	0.572	500	4/30/2010
trans-1,4-Dichloro-2-butene	BQL	2.86	500	4/30/2010
1,1-Dichloroethane	BQL	0.572	500	4/30/2010
1,1-Dichloroethene	BQL	0.572	500	4/30/2010
1,2-Dichloroethane	BQL	0.572	500	4/30/2010
cis-1,2-Dichloroethene	BQL	0.572	500	4/30/2010
trans-1,2-dichloroethene	BQL	0.572	500	4/30/2010
1,2-Dichloropropane	BQL	0.572	500	4/30/2010
1,3-Dichloropropane	BQL	0.572	500	4/30/2010
2,2-Dichloropropane	BQL	0.572	500	4/30/2010
1,1-Dichloropropene	BQL	0.572	500	4/30/2010
cis-1,3-Dichloropropene	BQL	0.572	500	4/30/2010
trans-1,3-Dichloropropene	BQL	0.572	500	4/30/2010
Dichlorodifluoromethane	BQL	2.86	500	4/30/2010
Diisopropyl ether (DIPE)	BQL	0.572	500	4/30/2010
Ethylbenzene	BQL	0.572	500	4/30/2010
Hexachlorobutadiene	BQL	0.572	500	4/30/2010
2-Hexanone	BQL	2.86	500	4/30/2010
Iodomethane	BQL	0.572	500	4/30/2010
Isopropylbenzene	BQL	0.572	500	4/30/2010

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-8 (18-20)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-13D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/19/2010 12:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 6.09 g
%Solids: 71.8

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.572	500	4/30/2010
Methylene chloride	BQL	2.86	500	4/30/2010
4-Methyl-2-pentanone	BQL	2.86	500	4/30/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.572	500	4/30/2010
Naphthalene	BQL	0.572	500	4/30/2010
n-Propyl benzene	BQL	0.572	500	4/30/2010
Styrene	BQL	0.572	500	4/30/2010
1,1,1,2-Tetrachloroethane	BQL	0.572	500	4/30/2010
1,1,2,2-Tetrachloroethane	BQL	0.572	500	4/30/2010
Tetrachloroethene	BQL	0.572	500	4/30/2010
Toluene	BQL	0.572	500	4/30/2010
1,2,3-Trichlorobenzene	BQL	0.572	500	4/30/2010
1,2,4-Trichlorobenzene	BQL	0.572	500	4/30/2010
Trichloroethene	**5.71**	0.572	500	4/30/2010
1,1,1-Trichloroethane	BQL	0.572	500	4/30/2010
1,1,2-Trichloroethane	BQL	0.572	500	4/30/2010
Trichlorofluoromethane	BQL	0.572	500	4/30/2010
1,2,3-Trichloropropane	BQL	0.572	500	4/30/2010
1,2,4-Trimethylbenzene	BQL	0.572	500	4/30/2010
1,3,5-Trimethylbenzene	BQL	0.572	500	4/30/2010
Vinyl chloride	BQL	0.572	500	4/30/2010
m-,p-Xylene	BQL	1.14	500	4/30/2010
o-Xylene	BQL	0.572	500	4/30/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0317	106
Toluene-d8	0.03	0.0281	94
4-Bromofluorobenzene	0.03	0.0283	94

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVD

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-9 (12-14)
Client Project ID: NCDOT
Lab Sample ID G1037-69-14A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 12:15
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.09 g
%Solids: 71.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0688	1	4/28/2010
Benzene	BQL	0.00688	1	4/28/2010
Bromobenzene	BQL	0.00688	1	4/28/2010
Bromochloromethane	BQL	0.00688	1	4/28/2010
Bromodichloromethane	BQL	0.00688	1	4/28/2010
Bromoform	BQL	0.00688	1	4/28/2010
Bromomethane	BQL	0.00688	1	4/28/2010
2-Butanone	BQL	0.0344	1	4/28/2010
n-Butylbenzene	BQL	0.00688	1	4/28/2010
sec-Butylbenzene	BQL	0.00688	1	4/28/2010
tert-Butylbenzene	BQL	0.00688	1	4/28/2010
Carbon disulfide	BQL	0.00688	1	4/28/2010
Carbon tetrachloride	BQL	0.00688	1	4/28/2010
Chlorobenzene	BQL	0.00688	1	4/28/2010
Chloroethane	BQL	0.00688	1	4/28/2010
Chloroform	BQL	0.00688	1	4/28/2010
Chloromethane	BQL	0.00688	1	4/28/2010
2-Chlorotoluene	BQL	0.00688	1	4/28/2010
4-Chlorotoluene	BQL	0.00688	1	4/28/2010
Dibromochloromethane	BQL	0.00688	1	4/28/2010
1,2-Dibromo-3-chloropropane	BQL	0.0344	1	4/28/2010
Dibromomethane	BQL	0.00688	1	4/28/2010
1,2-Dibromoethane (EDB)	BQL	0.00688	1	4/28/2010
1,2-Dichlorobenzene	BQL	0.00688	1	4/28/2010
1,3-Dichlorobenzene	BQL	0.00688	1	4/28/2010
1,4-Dichlorobenzene	BQL	0.00688	1	4/28/2010
trans-1,4-Dichloro-2-butene	BQL	0.0344	1	4/28/2010
1,1-Dichloroethane	BQL	0.00688	1	4/28/2010
1,1-Dichloroethene	BQL	0.00688	1	4/28/2010
1,2-Dichloroethane	BQL	0.00688	1	4/28/2010
cis-1,2-Dichloroethene	BQL	0.00688	1	4/28/2010
trans-1,2-dichloroethene	BQL	0.00688	1	4/28/2010
1,2-Dichloropropane	BQL	0.00688	1	4/28/2010
1,3-Dichloropropane	BQL	0.00688	1	4/28/2010
2,2-Dichloropropane	BQL	0.00688	1	4/28/2010
1,1-Dichloropropene	BQL	0.00688	1	4/28/2010
cis-1,3-Dichloropropene	BQL	0.00688	1	4/28/2010
trans-1,3-Dichloropropene	BQL	0.00688	1	4/28/2010
Dichlorodifluoromethane	BQL	0.00688	1	4/28/2010
Diisopropyl ether (DIPE)	BQL	0.00688	1	4/28/2010
Ethylbenzene	BQL	0.00688	1	4/28/2010
Hexachlorobutadiene	BQL	0.00688	1	4/28/2010
2-Hexanone	BQL	0.0172	1	4/28/2010
Iodomethane	BQL	0.00688	1	4/28/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-9 (12-14)
Client Project ID: NCDOT
Lab Sample ID G1037-69-14A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 12:15
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.09 g
%Solids: 71.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00688	1	4/28/2010
4-Isopropyltoluene	BQL	0.00688	1	4/28/2010
Methylene chloride	BQL	0.0275	1	4/28/2010
4-Methyl-2-pentanone	BQL	0.0172	1	4/28/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00688	1	4/28/2010
Naphthalene	BQL	0.00688	1	4/28/2010
n-Propyl benzene	BQL	0.00688	1	4/28/2010
Styrene	BQL	0.00688	1	4/28/2010
1,1,1,2-Tetrachloroethane	BQL	0.00688	1	4/28/2010
1,1,2,2-Tetrachloroethane	BQL	0.00688	1	4/28/2010
Tetrachloroethene	BQL	0.00688	1	4/28/2010
Toluene	BQL	0.00688	1	4/28/2010
1,2,3-Trichlorobenzene	BQL	0.00688	1	4/28/2010
1,2,4-Trichlorobenzene	BQL	0.00688	1	4/28/2010
Trichloroethene	BQL	0.00688	1	4/28/2010
1,1,1-Trichloroethane	BQL	0.00688	1	4/28/2010
1,1,2-Trichloroethane	BQL	0.00688	1	4/28/2010
Trichlorofluoromethane	BQL	0.00688	1	4/28/2010
1,2,3-Trichloropropane	BQL	0.00688	1	4/28/2010
1,2,4-Trimethylbenzene	BQL	0.00688	1	4/28/2010
1,3,5-Trimethylbenzene	BQL	0.00688	1	4/28/2010
Vinyl chloride	BQL	0.00688	1	4/28/2010
m-,p-Xylene	BQL	0.0138	1	4/28/2010
o-Xylene	BQL	0.00688	1	4/28/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0603	121
Toluene-d8	0.05	0.0475	95
4-Bromofluorobenzene	0.05	0.045	90

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVD

Reviewed By: [signature]

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-10 (8-10)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-15D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/19/2010 12:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.17 g
%Solids: 75.0

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	1.61	50	4/30/2010
Benzene	BQL	0.0644	50	4/30/2010
Bromobenzene	BQL	0.0644	50	4/30/2010
Bromochloromethane	BQL	0.0644	50	4/30/2010
Bromodichloromethane	BQL	0.0644	50	4/30/2010
Bromoform	BQL	0.0644	50	4/30/2010
Bromomethane	BQL	0.0644	50	4/30/2010
2-Butanone	BQL	1.61	50	4/30/2010
n-Butylbenzene	BQL	0.0644	50	4/30/2010
sec-Butylbenzene	BQL	0.0644	50	4/30/2010
tert-Butylbenzene	BQL	0.0644	50	4/30/2010
Carbon disulfide	BQL	0.0644	50	4/30/2010
Carbon tetrachloride	BQL	0.0644	50	4/30/2010
Chlorobenzene	BQL	0.0644	50	4/30/2010
Chloroethane	BQL	0.0644	50	4/30/2010
Chloroform	BQL	0.0644	50	4/30/2010
Chloromethane	BQL	0.0644	50	4/30/2010
2-Chlorotoluene	BQL	0.0644	50	4/30/2010
4-Chlorotoluene	BQL	0.0644	50	4/30/2010
Dibromochloromethane	BQL	0.0644	50	4/30/2010
1,2-Dibromo-3-chloropropane	BQL	0.322	50	4/30/2010
Dibromomethane	BQL	0.0644	50	4/30/2010
1,2-Dibromoethane (EDB)	BQL	0.0644	50	4/30/2010
1,2-Dichlorobenzene	BQL	0.0644	50	4/30/2010
1,3-Dichlorobenzene	BQL	0.0644	50	4/30/2010
1,4-Dichlorobenzene	BQL	0.0644	50	4/30/2010
trans-1,4-Dichloro-2-butene	BQL	0.322	50	4/30/2010
1,1-Dichloroethane	BQL	0.0644	50	4/30/2010
1,1-Dichloroethene	BQL	0.0644	50	4/30/2010
1,2-Dichloroethane	BQL	0.0644	50	4/30/2010
cis-1,2-Dichloroethene	BQL	0.0644	50	4/30/2010
trans-1,2-dichloroethene	BQL	0.0644	50	4/30/2010
1,2-Dichloropropane	BQL	0.0644	50	4/30/2010
1,3-Dichloropropane	BQL	0.0644	50	4/30/2010
2,2-Dichloropropane	BQL	0.0644	50	4/30/2010
1,1-Dichloropropene	BQL	0.0644	50	4/30/2010
cis-1,3-Dichloropropene	BQL	0.0644	50	4/30/2010
trans-1,3-Dichloropropene	BQL	0.0644	50	4/30/2010
Dichlorodifluoromethane	BQL	0.322	50	4/30/2010
Diisopropyl ether (DIPE)	BQL	0.0644	50	4/30/2010
Ethylbenzene	BQL	0.0644	50	4/30/2010
Hexachlorobutadiene	BQL	0.0644	50	4/30/2010
2-Hexanone	BQL	0.322	50	4/30/2010
Iodomethane	BQL	0.0644	50	4/30/2010
Isopropylbenzene	BQL	0.0644	50	4/30/2010

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-10 (8-10)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-15D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/19/2010 12:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.17 g
%Solids: 75.0

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.0644	50	4/30/2010
Methylene chloride	BQL	0.322	50	4/30/2010
4-Methyl-2-pentanone	BQL	0.322	50	4/30/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.0644	50	4/30/2010
Naphthalene	BQL	0.0644	50	4/30/2010
n-Propyl benzene	BQL	0.0644	50	4/30/2010
Styrene	BQL	0.0644	50	4/30/2010
1,1,1,2-Tetrachloroethane	BQL	0.0644	50	4/30/2010
1,1,2,2-Tetrachloroethane	BQL	0.0644	50	4/30/2010
Tetrachloroethene	BQL	0.0644	50	4/30/2010
Toluene	BQL	0.0644	50	4/30/2010
1,2,3-Trichlorobenzene	BQL	0.0644	50	4/30/2010
1,2,4-Trichlorobenzene	BQL	0.0644	50	4/30/2010
Trichloroethene	**0.341**	0.0644	50	4/30/2010
1,1,1-Trichloroethane	BQL	0.0644	50	4/30/2010
1,1,2-Trichloroethane	BQL	0.0644	50	4/30/2010
Trichlorofluoromethane	BQL	0.0644	50	4/30/2010
1,2,3-Trichloropropane	BQL	0.0644	50	4/30/2010
1,2,4-Trimethylbenzene	BQL	0.0644	50	4/30/2010
1,3,5-Trimethylbenzene	BQL	0.0644	50	4/30/2010
Vinyl chloride	BQL	0.0644	50	4/30/2010
m-,p-Xylene	BQL	0.129	50	4/30/2010
o-Xylene	BQL	0.0644	50	4/30/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0343	114
Toluene-d8	0.03	0.0289	96
4-Bromofluorobenzene	0.03	0.0284	95

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: OVO

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-11 (12-14)
Client Project ID: NCDOT
Lab Sample ID G1037-69-16A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 13:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 4.34 g
%Solids: 73.2

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0785	1	4/28/2010
Benzene	BQL	0.00785	1	4/28/2010
Bromobenzene	BQL	0.00785	1	4/28/2010
Bromochloromethane	BQL	0.00785	1	4/28/2010
Bromodichloromethane	BQL	0.00785	1	4/28/2010
Bromoform	BQL	0.00785	1	4/28/2010
Bromomethane	BQL	0.00785	1	4/28/2010
2-Butanone	BQL	0.0392	1	4/28/2010
n-Butylbenzene	BQL	0.00785	1	4/28/2010
sec-Butylbenzene	BQL	0.00785	1	4/28/2010
tert-Butylbenzene	BQL	0.00785	1	4/28/2010
Carbon disulfide	BQL	0.00785	1	4/28/2010
Carbon tetrachloride	BQL	0.00785	1	4/28/2010
Chlorobenzene	BQL	0.00785	1	4/28/2010
Chloroethane	BQL	0.00785	1	4/28/2010
Chloroform	BQL	0.00785	1	4/28/2010
Chloromethane	BQL	0.00785	1	4/28/2010
2-Chlorotoluene	BQL	0.00785	1	4/28/2010
4-Chlorotoluene	BQL	0.00785	1	4/28/2010
Dibromochloromethane	BQL	0.00785	1	4/28/2010
1,2-Dibromo-3-chloropropane	BQL	0.0392	1	4/28/2010
Dibromomethane	BQL	0.00785	1	4/28/2010
1,2-Dibromoethane (EDB)	BQL	0.00785	1	4/28/2010
1,2-Dichlorobenzene	BQL	0.00785	1	4/28/2010
1,3-Dichlorobenzene	BQL	0.00785	1	4/28/2010
1,4-Dichlorobenzene	BQL	0.00785	1	4/28/2010
trans-1,4-Dichloro-2-butene	BQL	0.0392	1	4/28/2010
1,1-Dichloroethane	BQL	0.00785	1	4/28/2010
1,1-Dichloroethene	BQL	0.00785	1	4/28/2010
1,2-Dichloroethane	BQL	0.00785	1	4/28/2010
cis-1,2-Dichloroethene	BQL	0.00785	1	4/28/2010
trans-1,2-dichloroethene	BQL	0.00785	1	4/28/2010
1,2-Dichloropropane	BQL	0.00785	1	4/28/2010
1,3-Dichloropropane	BQL	0.00785	1	4/28/2010
2,2-Dichloropropane	BQL	0.00785	1	4/28/2010
1,1-Dichloropropene	BQL	0.00785	1	4/28/2010
cis-1,3-Dichloropropene	BQL	0.00785	1	4/28/2010
trans-1,3-Dichloropropene	BQL	0.00785	1	4/28/2010
Dichlorodifluoromethane	BQL	0.00785	1	4/28/2010
Diisopropyl ether (DIPE)	BQL	0.00785	1	4/28/2010
Ethylbenzene	BQL	0.00785	1	4/28/2010
Hexachlorobutadiene	BQL	0.00785	1	4/28/2010
2-Hexanone	BQL	0.0196	1	4/28/2010
Iodomethane	BQL	0.00785	1	4/28/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-11 (12-14)
Client Project ID: NCDOT
Lab Sample ID G1037-69-16A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-19-2010 13:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 4.34 g
%Solids: 73.2

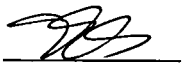
Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00785	1	4/28/2010
4-Isopropyltoluene	BQL	0.00785	1	4/28/2010
Methylene chloride	BQL	0.0314	1	4/28/2010
4-Methyl-2-pentanone	BQL	0.0196	1	4/28/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00785	1	4/28/2010
Naphthalene	BQL	0.00785	1	4/28/2010
n-Propyl benzene	BQL	0.00785	1	4/28/2010
Styrene	BQL	0.00785	1	4/28/2010
1,1,1,2-Tetrachloroethane	BQL	0.00785	1	4/28/2010
1,1,2,2-Tetrachloroethane	BQL	0.00785	1	4/28/2010
Tetrachloroethene	BQL	0.00785	1	4/28/2010
Toluene	BQL	0.00785	1	4/28/2010
1,2,3-Trichlorobenzene	BQL	0.00785	1	4/28/2010
1,2,4-Trichlorobenzene	BQL	0.00785	1	4/28/2010
Trichloroethene	**0.0257**	0.00785	1	4/28/2010
1,1,1-Trichloroethane	BQL	0.00785	1	4/28/2010
1,1,2-Trichloroethane	BQL	0.00785	1	4/28/2010
Trichlorofluoromethane	BQL	0.00785	1	4/28/2010
1,2,3-Trichloropropane	BQL	0.00785	1	4/28/2010
1,2,4-Trimethylbenzene	BQL	0.00785	1	4/28/2010
1,3,5-Trimethylbenzene	BQL	0.00785	1	4/28/2010
Vinyl chloride	BQL	0.00785	1	4/28/2010
m-,p-Xylene	BQL	0.0157	1	4/28/2010
o-Xylene	BQL	0.00785	1	4/28/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.064	128
Toluene-d8	0.05	0.0476	95
4-Bromofluorobenzene	0.05	0.0452	90

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: OVO

Reviewed By: 

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-12 (4-6)
Client Project ID: NCDOT
Lab Sample ID G1037-69-17A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 10:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 4 g
%Solids: 77.5

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0807	1	4/29/2010
Benzene	BQL	0.00807	1	4/29/2010
Bromobenzene	BQL	0.00807	1	4/29/2010
Bromochloromethane	BQL	0.00807	1	4/29/2010
Bromodichloromethane	BQL	0.00807	1	4/29/2010
Bromoform	BQL	0.00807	1	4/29/2010
Bromomethane	BQL	0.00807	1	4/29/2010
2-Butanone	BQL	0.0403	1	4/29/2010
n-Butylbenzene	BQL	0.00807	1	4/29/2010
sec-Butylbenzene	BQL	0.00807	1	4/29/2010
tert-Butylbenzene	BQL	0.00807	1	4/29/2010
Carbon disulfide	BQL	0.00807	1	4/29/2010
Carbon tetrachloride	BQL	0.00807	1	4/29/2010
Chlorobenzene	BQL	0.00807	1	4/29/2010
Chloroethane	BQL	0.00807	1	4/29/2010
Chloroform	BQL	0.00807	1	4/29/2010
Chloromethane	BQL	0.00807	1	4/29/2010
2-Chlorotoluene	BQL	0.00807	1	4/29/2010
4-Chlorotoluene	BQL	0.00807	1	4/29/2010
Dibromochloromethane	BQL	0.00807	1	4/29/2010
1,2-Dibromo-3-chloropropane	BQL	0.0403	1	4/29/2010
Dibromomethane	BQL	0.00807	1	4/29/2010
1,2-Dibromoethane (EDB)	BQL	0.00807	1	4/29/2010
1,2-Dichlorobenzene	BQL	0.00807	1	4/29/2010
1,3-Dichlorobenzene	BQL	0.00807	1	4/29/2010
1,4-Dichlorobenzene	BQL	0.00807	1	4/29/2010
trans-1,4-Dichloro-2-butene	BQL	0.0403	1	4/29/2010
1,1-Dichloroethane	BQL	0.00807	1	4/29/2010
1,1-Dichloroethene	BQL	0.00807	1	4/29/2010
1,2-Dichloroethane	BQL	0.00807	1	4/29/2010
cis-1,2-Dichloroethene	BQL	0.00807	1	4/29/2010
trans-1,2-dichloroethene	BQL	0.00807	1	4/29/2010
1,2-Dichloropropane	BQL	0.00807	1	4/29/2010
1,3-Dichloropropane	BQL	0.00807	1	4/29/2010
2,2-Dichloropropane	BQL	0.00807	1	4/29/2010
1,1-Dichloropropene	BQL	0.00807	1	4/29/2010
cis-1,3-Dichloropropene	BQL	0.00807	1	4/29/2010
trans-1,3-Dichloropropene	BQL	0.00807	1	4/29/2010
Dichlorodifluoromethane	BQL	0.00807	1	4/29/2010
Diisopropyl ether (DIPE)	BQL	0.00807	1	4/29/2010
Ethylbenzene	BQL	0.00807	1	4/29/2010
Hexachlorobutadiene	BQL	0.00807	1	4/29/2010
2-Hexanone	BQL	0.0202	1	4/29/2010
Iodomethane	BQL	0.00807	1	4/29/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-12 (4-6)
Client Project ID: NCDOT
Lab Sample ID G1037-69-17A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 10:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 4 g
%Solids: 77.5

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00807	1	4/29/2010
4-Isopropyltoluene	BQL	0.00807	1	4/29/2010
Methylene chloride	BQL	0.0323	1	4/29/2010
4-Methyl-2-pentanone	BQL	0.0202	1	4/29/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00807	1	4/29/2010
Naphthalene	BQL	0.00807	1	4/29/2010
n-Propyl benzene	BQL	0.00807	1	4/29/2010
Styrene	BQL	0.00807	1	4/29/2010
1,1,1,2-Tetrachloroethane	BQL	0.00807	1	4/29/2010
1,1,2,2-Tetrachloroethane	BQL	0.00807	1	4/29/2010
Tetrachloroethene	BQL	0.00807	1	4/29/2010
Toluene	BQL	0.00807	1	4/29/2010
1,2,3-Trichlorobenzene	BQL	0.00807	1	4/29/2010
1,2,4-Trichlorobenzene	BQL	0.00807	1	4/29/2010
Trichloroethene	**0.0118**	0.00807	1	4/29/2010
1,1,1-Trichloroethane	BQL	0.00807	1	4/29/2010
1,1,2-Trichloroethane	BQL	0.00807	1	4/29/2010
Trichlorofluoromethane	BQL	0.00807	1	4/29/2010
1,2,3-Trichloropropane	BQL	0.00807	1	4/29/2010
1,2,4-Trimethylbenzene	BQL	0.00807	1	4/29/2010
1,3,5-Trimethylbenzene	BQL	0.00807	1	4/29/2010
Vinyl chloride	BQL	0.00807	1	4/29/2010
m-,p-Xylene	BQL	0.0161	1	4/29/2010
o-Xylene	BQL	0.00807	1	4/29/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0614	123
Toluene-d8	0.05	0.0472	94
4-Bromofluorobenzene	0.05	0.0443	89

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By:

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-13 (14-16)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-18D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/20/2010 10:10
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 6.46 g
%Solids: 77.5

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	1.25	50	5/4/2010
Benzene	BQL	0.0500	50	5/4/2010
Bromobenzene	BQL	0.0500	50	5/4/2010
Bromochloromethane	BQL	0.0500	50	5/4/2010
Bromodichloromethane	BQL	0.0500	50	5/4/2010
Bromoform	BQL	0.0500	50	5/4/2010
Bromomethane	BQL	0.0500	50	5/4/2010
2-Butanone	BQL	1.25	50	5/4/2010
n-Butylbenzene	BQL	0.0500	50	5/4/2010
sec-Butylbenzene	BQL	0.0500	50	5/4/2010
tert-Butylbenzene	BQL	0.0500	50	5/4/2010
Carbon disulfide	BQL	0.0500	50	5/4/2010
Carbon tetrachloride	BQL	0.0500	50	5/4/2010
Chlorobenzene	BQL	0.0500	50	5/4/2010
Chloroethane	BQL	0.0500	50	5/4/2010
Chloroform	BQL	0.0500	50	5/4/2010
Chloromethane	BQL	0.0500	50	5/4/2010
2-Chlorotoluene	BQL	0.0500	50	5/4/2010
4-Chlorotoluene	BQL	0.0500	50	5/4/2010
Dibromochloromethane	BQL	0.0500	50	5/4/2010
1,2-Dibromo-3-chloropropane	BQL	0.250	50	5/4/2010
Dibromomethane	BQL	0.0500	50	5/4/2010
1,2-Dibromoethane (EDB)	BQL	0.0500	50	5/4/2010
1,2-Dichlorobenzene	BQL	0.0500	50	5/4/2010
1,3-Dichlorobenzene	BQL	0.0500	50	5/4/2010
1,4-Dichlorobenzene	BQL	0.0500	50	5/4/2010
trans-1,4-Dichloro-2-butene	BQL	0.250	50	5/4/2010
1,1-Dichloroethane	BQL	0.0500	50	5/4/2010
1,1-Dichloroethene	BQL	0.0500	50	5/4/2010
1,2-Dichloroethane	BQL	0.0500	50	5/4/2010
cis-1,2-Dichloroethene	BQL	0.0500	50	5/4/2010
trans-1,2-dichloroethene	BQL	0.0500	50	5/4/2010
1,2-Dichloropropane	BQL	0.0500	50	5/4/2010
1,3-Dichloropropane	BQL	0.0500	50	5/4/2010
2,2-Dichloropropane	BQL	0.0500	50	5/4/2010
1,1-Dichloropropene	BQL	0.0500	50	5/4/2010
cis-1,3-Dichloropropene	BQL	0.0500	50	5/4/2010
trans-1,3-Dichloropropene	BQL	0.0500	50	5/4/2010
Dichlorodifluoromethane	BQL	0.250	50	5/4/2010
Diisopropyl ether (DIPE)	BQL	0.0500	50	5/4/2010
Ethylbenzene	BQL	0.0500	50	5/4/2010
Hexachlorobutadiene	BQL	0.0500	50	5/4/2010
2-Hexanone	BQL	0.250	50	5/4/2010
Iodomethane	BQL	0.0500	50	5/4/2010
Isopropylbenzene	BQL	0.0500	50	5/4/2010

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-13 (14-16)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-18D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/20/2010 10:10
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 6.46 g
%Solids: 77.5

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.0500	50	5/4/2010
Methylene chloride	BQL	0.250	50	5/4/2010
4-Methyl-2-pentanone	BQL	0.250	50	5/4/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.0500	50	5/4/2010
Naphthalene	BQL	0.0500	50	5/4/2010
n-Propyl benzene	BQL	0.0500	50	5/4/2010
Styrene	BQL	0.0500	50	5/4/2010
1,1,1,2-Tetrachloroethane	BQL	0.0500	50	5/4/2010
1,1,2,2-Tetrachloroethane	BQL	0.0500	50	5/4/2010
Tetrachloroethene	BQL	0.0500	50	5/4/2010
Toluene	BQL	0.0500	50	5/4/2010
1,2,3-Trichlorobenzene	BQL	0.0500	50	5/4/2010
1,2,4-Trichlorobenzene	BQL	0.0500	50	5/4/2010
Trichloroethene	**0.255**	0.0500	50	5/4/2010
1,1,1-Trichloroethane	BQL	0.0500	50	5/4/2010
1,1,2-Trichloroethane	BQL	0.0500	50	5/4/2010
Trichlorofluoromethane	BQL	0.0500	50	5/4/2010
1,2,3-Trichloropropane	BQL	0.0500	50	5/4/2010
1,2,4-Trimethylbenzene	BQL	0.0500	50	5/4/2010
1,3,5-Trimethylbenzene	BQL	0.0500	50	5/4/2010
Vinyl chloride	BQL	0.0500	50	5/4/2010
m-,p-Xylene	BQL	0.0999	50	5/4/2010
o-Xylene	BQL	0.0500	50	5/4/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0327	109
Toluene-d8	0.03	0.0284	95
4-Bromofluorobenzene	0.03	0.0295	98

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By:

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-14 (10-12)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-19D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/20/2010 11:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 6.06 g
%Solids: 73.0

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	1.41	50	5/4/2010
Benzene	BQL	0.0565	50	5/4/2010
Bromobenzene	BQL	0.0565	50	5/4/2010
Bromochloromethane	BQL	0.0565	50	5/4/2010
Bromodichloromethane	BQL	0.0565	50	5/4/2010
Bromoform	BQL	0.0565	50	5/4/2010
Bromomethane	BQL	0.0565	50	5/4/2010
2-Butanone	BQL	1.41	50	5/4/2010
n-Butylbenzene	BQL	0.0565	50	5/4/2010
sec-Butylbenzene	BQL	0.0565	50	5/4/2010
tert-Butylbenzene	BQL	0.0565	50	5/4/2010
Carbon disulfide	BQL	0.0565	50	5/4/2010
Carbon tetrachloride	BQL	0.0565	50	5/4/2010
Chlorobenzene	BQL	0.0565	50	5/4/2010
Chloroethane	BQL	0.0565	50	5/4/2010
Chloroform	BQL	0.0565	50	5/4/2010
Chloromethane	BQL	0.0565	50	5/4/2010
2-Chlorotoluene	BQL	0.0565	50	5/4/2010
4-Chlorotoluene	BQL	0.0565	50	5/4/2010
Dibromochloromethane	BQL	0.0565	50	5/4/2010
1,2-Dibromo-3-chloropropane	BQL	0.283	50	5/4/2010
Dibromomethane	BQL	0.0565	50	5/4/2010
1,2-Dibromoethane (EDB)	BQL	0.0565	50	5/4/2010
1,2-Dichlorobenzene	BQL	0.0565	50	5/4/2010
1,3-Dichlorobenzene	BQL	0.0565	50	5/4/2010
1,4-Dichlorobenzene	BQL	0.0565	50	5/4/2010
trans-1,4-Dichloro-2-butene	BQL	0.283	50	5/4/2010
1,1-Dichloroethane	BQL	0.0565	50	5/4/2010
1,1-Dichloroethene	BQL	0.0565	50	5/4/2010
1,2-Dichloroethane	BQL	0.0565	50	5/4/2010
cis-1,2-Dichloroethene	BQL	0.0565	50	5/4/2010
trans-1,2-dichloroethene	BQL	0.0565	50	5/4/2010
1,2-Dichloropropane	BQL	0.0565	50	5/4/2010
1,3-Dichloropropane	BQL	0.0565	50	5/4/2010
2,2-Dichloropropane	BQL	0.0565	50	5/4/2010
1,1-Dichloropropene	BQL	0.0565	50	5/4/2010
cis-1,3-Dichloropropene	BQL	0.0565	50	5/4/2010
trans-1,3-Dichloropropene	BQL	0.0565	50	5/4/2010
Dichlorodifluoromethane	BQL	0.283	50	5/4/2010
Diisopropyl ether (DIPE)	BQL	0.0565	50	5/4/2010
Ethylbenzene	BQL	0.0565	50	5/4/2010
Hexachlorobutadiene	BQL	0.0565	50	5/4/2010
2-Hexanone	BQL	0.283	50	5/4/2010
Iodomethane	BQL	0.0565	50	5/4/2010
Isopropylbenzene	BQL	0.0565	50	5/4/2010

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-14 (10-12)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-19D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/20/2010 11:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 6.06 g
%Solids: 73.0

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.0565	50	5/4/2010
Methylene chloride	BQL	0.283	50	5/4/2010
4-Methyl-2-pentanone	BQL	0.283	50	5/4/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.0565	50	5/4/2010
Naphthalene	BQL	0.0565	50	5/4/2010
n-Propyl benzene	BQL	0.0565	50	5/4/2010
Styrene	BQL	0.0565	50	5/4/2010
1,1,1,2-Tetrachloroethane	BQL	0.0565	50	5/4/2010
1,1,2,2-Tetrachloroethane	BQL	0.0565	50	5/4/2010
Tetrachloroethene	BQL	0.0565	50	5/4/2010
Toluene	BQL	0.0565	50	5/4/2010
1,2,3-Trichlorobenzene	BQL	0.0565	50	5/4/2010
1,2,4-Trichlorobenzene	BQL	0.0565	50	5/4/2010
Trichloroethene	**0.995**	0.0565	50	5/4/2010
1,1,1-Trichloroethane	BQL	0.0565	50	5/4/2010
1,1,2-Trichloroethane	BQL	0.0565	50	5/4/2010
Trichlorofluoromethane	BQL	0.0565	50	5/4/2010
1,2,3-Trichloropropane	BQL	0.0565	50	5/4/2010
1,2,4-Trimethylbenzene	BQL	0.0565	50	5/4/2010
1,3,5-Trimethylbenzene	BQL	0.0565	50	5/4/2010
Vinyl chloride	BQL	0.0565	50	5/4/2010
m-,p-Xylene	BQL	0.113	50	5/4/2010
o-Xylene	BQL	0.0565	50	5/4/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0318	106
Toluene-d8	0.03	0.0274	91
4-Bromofluorobenzene	0.03	0.0288	96

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By:

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-14 (16-18)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-20D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/20/2010 11:10
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 6.5 g
%Solids: 71.0

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	5.41	200	5/4/2010
Benzene	BQL	0.217	200	5/4/2010
Bromobenzene	BQL	0.217	200	5/4/2010
Bromochloromethane	BQL	0.217	200	5/4/2010
Bromodichloromethane	BQL	0.217	200	5/4/2010
Bromoform	BQL	0.217	200	5/4/2010
Bromomethane	BQL	0.217	200	5/4/2010
2-Butanone	BQL	5.41	200	5/4/2010
n-Butylbenzene	BQL	0.217	200	5/4/2010
sec-Butylbenzene	BQL	0.217	200	5/4/2010
tert-Butylbenzene	BQL	0.217	200	5/4/2010
Carbon disulfide	BQL	0.217	200	5/4/2010
Carbon tetrachloride	BQL	0.217	200	5/4/2010
Chlorobenzene	BQL	0.217	200	5/4/2010
Chloroethane	BQL	0.217	200	5/4/2010
Chloroform	BQL	0.217	200	5/4/2010
Chloromethane	BQL	0.217	200	5/4/2010
2-Chlorotoluene	BQL	0.217	200	5/4/2010
4-Chlorotoluene	BQL	0.217	200	5/4/2010
Dibromochloromethane	BQL	0.217	200	5/4/2010
1,2-Dibromo-3-chloropropane	BQL	1.08	200	5/4/2010
Dibromomethane	BQL	0.217	200	5/4/2010
1,2-Dibromoethane (EDB)	BQL	0.217	200	5/4/2010
1,2-Dichlorobenzene	BQL	0.217	200	5/4/2010
1,3-Dichlorobenzene	BQL	0.217	200	5/4/2010
1,4-Dichlorobenzene	BQL	0.217	200	5/4/2010
trans-1,4-Dichloro-2-butene	BQL	1.08	200	5/4/2010
1,1-Dichloroethane	BQL	0.217	200	5/4/2010
1,1-Dichloroethene	BQL	0.217	200	5/4/2010
1,2-Dichloroethane	BQL	0.217	200	5/4/2010
cis-1,2-Dichloroethene	BQL	0.217	200	5/4/2010
trans-1,2-dichloroethene	BQL	0.217	200	5/4/2010
1,2-Dichloropropane	BQL	0.217	200	5/4/2010
1,3-Dichloropropane	BQL	0.217	200	5/4/2010
2,2-Dichloropropane	BQL	0.217	200	5/4/2010
1,1-Dichloropropene	BQL	0.217	200	5/4/2010
cis-1,3-Dichloropropene	BQL	0.217	200	5/4/2010
trans-1,3-Dichloropropene	BQL	0.217	200	5/4/2010
Dichlorodifluoromethane	BQL	1.08	200	5/4/2010
Diisopropyl ether (DIPE)	BQL	0.217	200	5/4/2010
Ethylbenzene	BQL	0.217	200	5/4/2010
Hexachlorobutadiene	BQL	0.217	200	5/4/2010
2-Hexanone	BQL	1.08	200	5/4/2010
Iodomethane	BQL	0.217	200	5/4/2010
Isopropylbenzene	BQL	0.217	200	5/4/2010

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-14 (16-18)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-20D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/20/2010 11:10
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 6.5 g
%Solids: 71.0

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.217	200	5/4/2010
Methylene chloride	BQL	1.08	200	5/4/2010
4-Methyl-2-pentanone	BQL	1.08	200	5/4/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.217	200	5/4/2010
Naphthalene	BQL	0.217	200	5/4/2010
n-Propyl benzene	BQL	0.217	200	5/4/2010
Styrene	BQL	0.217	200	5/4/2010
1,1,1,2-Tetrachloroethane	BQL	0.217	200	5/4/2010
1,1,2,2-Tetrachloroethane	BQL	0.217	200	5/4/2010
Tetrachloroethene	BQL	0.217	200	5/4/2010
Toluene	BQL	0.217	200	5/4/2010
1,2,3-Trichlorobenzene	BQL	0.217	200	5/4/2010
1,2,4-Trichlorobenzene	BQL	0.217	200	5/4/2010
Trichloroethene	**2.89**	0.217	200	5/4/2010
1,1,1-Trichloroethane	BQL	0.217	200	5/4/2010
1,1,2-Trichloroethane	BQL	0.217	200	5/4/2010
Trichlorofluoromethane	BQL	0.217	200	5/4/2010
1,2,3-Trichloropropane	BQL	0.217	200	5/4/2010
1,2,4-Trimethylbenzene	BQL	0.217	200	5/4/2010
1,3,5-Trimethylbenzene	BQL	0.217	200	5/4/2010
Vinyl chloride	BQL	0.217	200	5/4/2010
m-,p-Xylene	BQL	0.433	200	5/4/2010
o-Xylene	BQL	0.217	200	5/4/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0318	106
Toluene-d8	0.03	0.0276	92
4-Bromofluorobenzene	0.03	0.03	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: OVD

Reviewed By: [signature]

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-15 (12-14)
Client Project ID: NCDOT
Lab Sample ID G1037-69-21A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 11:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 6.01 g
%Solids: 82.2

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0505	1	4/29/2010
Benzene	BQL	0.00505	1	4/29/2010
Bromobenzene	BQL	0.00505	1	4/29/2010
Bromochloromethane	BQL	0.00505	1	4/29/2010
Bromodichloromethane	BQL	0.00505	1	4/29/2010
Bromoform	BQL	0.00505	1	4/29/2010
Bromomethane	BQL	0.00505	1	4/29/2010
2-Butanone	BQL	0.0253	1	4/29/2010
n-Butylbenzene	BQL	0.00505	1	4/29/2010
sec-Butylbenzene	BQL	0.00505	1	4/29/2010
tert-Butylbenzene	BQL	0.00505	1	4/29/2010
Carbon disulfide	BQL	0.00505	1	4/29/2010
Carbon tetrachloride	BQL	0.00505	1	4/29/2010
Chlorobenzene	BQL	0.00505	1	4/29/2010
Chloroethane	BQL	0.00505	1	4/29/2010
Chloroform	BQL	0.00505	1	4/29/2010
Chloromethane	BQL	0.00505	1	4/29/2010
2-Chlorotoluene	BQL	0.00505	1	4/29/2010
4-Chlorotoluene	BQL	0.00505	1	4/29/2010
Dibromochloromethane	BQL	0.00505	1	4/29/2010
1,2-Dibromo-3-chloropropane	BQL	0.0253	1	4/29/2010
Dibromomethane	BQL	0.00505	1	4/29/2010
1,2-Dibromoethane (EDB)	BQL	0.00505	1	4/29/2010
1,2-Dichlorobenzene	BQL	0.00505	1	4/29/2010
1,3-Dichlorobenzene	BQL	0.00505	1	4/29/2010
1,4-Dichlorobenzene	BQL	0.00505	1	4/29/2010
trans-1,4-Dichloro-2-butene	BQL	0.0253	1	4/29/2010
1,1-Dichloroethane	BQL	0.00505	1	4/29/2010
1,1-Dichloroethene	BQL	0.00505	1	4/29/2010
1,2-Dichloroethane	BQL	0.00505	1	4/29/2010
cis-1,2-Dichloroethene	BQL	0.00505	1	4/29/2010
trans-1,2-dichloroethene	BQL	0.00505	1	4/29/2010
1,2-Dichloropropane	BQL	0.00505	1	4/29/2010
1,3-Dichloropropane	BQL	0.00505	1	4/29/2010
2,2-Dichloropropane	BQL	0.00505	1	4/29/2010
1,1-Dichloropropene	BQL	0.00505	1	4/29/2010
cis-1,3-Dichloropropene	BQL	0.00505	1	4/29/2010
trans-1,3-Dichloropropene	BQL	0.00505	1	4/29/2010
Dichlorodifluoromethane	BQL	0.00505	1	4/29/2010
Diisopropyl ether (DIPE)	BQL	0.00505	1	4/29/2010
Ethylbenzene	BQL	0.00505	1	4/29/2010
Hexachlorobutadiene	BQL	0.00505	1	4/29/2010
2-Hexanone	BQL	0.0126	1	4/29/2010
Iodomethane	BQL	0.00505	1	4/29/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-15 (12-14)
Client Project ID: NCDOT
Lab Sample ID G1037-69-21A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 11:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 6.01 g
%Solids: 82.2

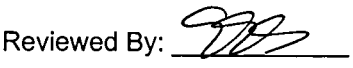
Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00505	1	4/29/2010
4-Isopropyltoluene	BQL	0.00505	1	4/29/2010
Methylene chloride	BQL	0.0202	1	4/29/2010
4-Methyl-2-pentanone	BQL	0.0126	1	4/29/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00505	1	4/29/2010
Naphthalene	BQL	0.00505	1	4/29/2010
n-Propyl benzene	BQL	0.00505	1	4/29/2010
Styrene	BQL	0.00505	1	4/29/2010
1,1,1,2-Tetrachloroethane	BQL	0.00505	1	4/29/2010
1,1,2,2-Tetrachloroethane	BQL	0.00505	1	4/29/2010
Tetrachloroethene	BQL	0.00505	1	4/29/2010
Toluene	BQL	0.00505	1	4/29/2010
1,2,3-Trichlorobenzene	BQL	0.00505	1	4/29/2010
1,2,4-Trichlorobenzene	BQL	0.00505	1	4/29/2010
Trichloroethene	BQL	0.00505	1	4/29/2010
1,1,1-Trichloroethane	BQL	0.00505	1	4/29/2010
1,1,2-Trichloroethane	BQL	0.00505	1	4/29/2010
Trichlorofluoromethane	BQL	0.00505	1	4/29/2010
1,2,3-Trichloropropane	BQL	0.00505	1	4/29/2010
1,2,4-Trimethylbenzene	BQL	0.00505	1	4/29/2010
1,3,5-Trimethylbenzene	BQL	0.00505	1	4/29/2010
Vinyl chloride	BQL	0.00505	1	4/29/2010
m-,p-Xylene	BQL	0.0101	1	4/29/2010
o-Xylene	BQL	0.00505	1	4/29/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0647	129
Toluene-d8	0.05	0.0474	95
4-Bromofluorobenzene	0.05	0.0444	89

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By: 

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-16 (6-8)
Client Project ID: NCDOT
Lab Sample ID G1037-69-22A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 12:20
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 3.42 g
%Solids: 75.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0969	1	4/29/2010
Benzene	BQL	0.00969	1	4/29/2010
Bromobenzene	BQL	0.00969	1	4/29/2010
Bromochloromethane	BQL	0.00969	1	4/29/2010
Bromodichloromethane	BQL	0.00969	1	4/29/2010
Bromoform	BQL	0.00969	1	4/29/2010
Bromomethane	BQL	0.00969	1	4/29/2010
2-Butanone	BQL	0.0485	1	4/29/2010
n-Butylbenzene	BQL	0.00969	1	4/29/2010
sec-Butylbenzene	BQL	0.00969	1	4/29/2010
tert-Butylbenzene	BQL	0.00969	1	4/29/2010
Carbon disulfide	BQL	0.00969	1	4/29/2010
Carbon tetrachloride	BQL	0.00969	1	4/29/2010
Chlorobenzene	BQL	0.00969	1	4/29/2010
Chloroethane	BQL	0.00969	1	4/29/2010
Chloroform	BQL	0.00969	1	4/29/2010
Chloromethane	BQL	0.00969	1	4/29/2010
2-Chlorotoluene	BQL	0.00969	1	4/29/2010
4-Chlorotoluene	BQL	0.00969	1	4/29/2010
Dibromochloromethane	BQL	0.00969	1	4/29/2010
1,2-Dibromo-3-chloropropane	BQL	0.0485	1	4/29/2010
Dibromomethane	BQL	0.00969	1	4/29/2010
1,2-Dibromoethane (EDB)	BQL	0.00969	1	4/29/2010
1,2-Dichlorobenzene	BQL	0.00969	1	4/29/2010
1,3-Dichlorobenzene	BQL	0.00969	1	4/29/2010
1,4-Dichlorobenzene	BQL	0.00969	1	4/29/2010
trans-1,4-Dichloro-2-butene	BQL	0.0485	1	4/29/2010
1,1-Dichloroethane	BQL	0.00969	1	4/29/2010
1,1-Dichloroethene	BQL	0.00969	1	4/29/2010
1,2-Dichloroethane	BQL	0.00969	1	4/29/2010
cis-1,2-Dichloroethene	BQL	0.00969	1	4/29/2010
trans-1,2-dichloroethene	BQL	0.00969	1	4/29/2010
1,2-Dichloropropane	BQL	0.00969	1	4/29/2010
1,3-Dichloropropane	BQL	0.00969	1	4/29/2010
2,2-Dichloropropane	BQL	0.00969	1	4/29/2010
1,1-Dichloropropene	BQL	0.00969	1	4/29/2010
cis-1,3-Dichloropropene	BQL	0.00969	1	4/29/2010
trans-1,3-Dichloropropene	BQL	0.00969	1	4/29/2010
Dichlorodifluoromethane	BQL	0.00969	1	4/29/2010
Diisopropyl ether (DIPE)	BQL	0.00969	1	4/29/2010
Ethylbenzene	BQL	0.00969	1	4/29/2010
Hexachlorobutadiene	BQL	0.00969	1	4/29/2010
2-Hexanone	BQL	0.0242	1	4/29/2010
Iodomethane	BQL	0.00969	1	4/29/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-16 (6-8)
Client Project ID: NCDOT
Lab Sample ID G1037-69-22A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 12:20
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 3.42 g
%Solids: 75.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00969	1	4/29/2010
4-Isopropyltoluene	BQL	0.00969	1	4/29/2010
Methylene chloride	BQL	0.0388	1	4/29/2010
4-Methyl-2-pentanone	BQL	0.0242	1	4/29/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00969	1	4/29/2010
Naphthalene	BQL	0.00969	1	4/29/2010
n-Propyl benzene	BQL	0.00969	1	4/29/2010
Styrene	BQL	0.00969	1	4/29/2010
1,1,1,2-Tetrachloroethane	BQL	0.00969	1	4/29/2010
1,1,2,2-Tetrachloroethane	BQL	0.00969	1	4/29/2010
Tetrachloroethene	BQL	0.00969	1	4/29/2010
Toluene	BQL	0.00969	1	4/29/2010
1,2,3-Trichlorobenzene	BQL	0.00969	1	4/29/2010
1,2,4-Trichlorobenzene	BQL	0.00969	1	4/29/2010
Trichloroethene	BQL	0.00969	1	4/29/2010
1,1,1-Trichloroethane	BQL	0.00969	1	4/29/2010
1,1,2-Trichloroethane	BQL	0.00969	1	4/29/2010
Trichlorofluoromethane	BQL	0.00969	1	4/29/2010
1,2,3-Trichloropropane	BQL	0.00969	1	4/29/2010
1,2,4-Trimethylbenzene	BQL	0.00969	1	4/29/2010
1,3,5-Trimethylbenzene	BQL	0.00969	1	4/29/2010
Vinyl chloride	BQL	0.00969	1	4/29/2010
m-,p-Xylene	BQL	0.0194	1	4/29/2010
o-Xylene	BQL	0.00969	1	4/29/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0636	127
Toluene-d8	0.05	0.0473	95
4-Bromofluorobenzene	0.05	0.0426	85

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: JVO

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-17 (20-22)
Client Project ID: NCDOT
Lab Sample ID G1037-69-23A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 13:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.67 g
%Solids: 77.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0571	1	4/29/2010
Benzene	BQL	0.00571	1	4/29/2010
Bromobenzene	BQL	0.00571	1	4/29/2010
Bromochloromethane	BQL	0.00571	1	4/29/2010
Bromodichloromethane	BQL	0.00571	1	4/29/2010
Bromoform	BQL	0.00571	1	4/29/2010
Bromomethane	BQL	0.00571	1	4/29/2010
2-Butanone	BQL	0.0285	1	4/29/2010
n-Butylbenzene	BQL	0.00571	1	4/29/2010
sec-Butylbenzene	BQL	0.00571	1	4/29/2010
tert-Butylbenzene	BQL	0.00571	1	4/29/2010
Carbon disulfide	BQL	0.00571	1	4/29/2010
Carbon tetrachloride	BQL	0.00571	1	4/29/2010
Chlorobenzene	BQL	0.00571	1	4/29/2010
Chloroethane	BQL	0.00571	1	4/29/2010
Chloroform	BQL	0.00571	1	4/29/2010
Chloromethane	BQL	0.00571	1	4/29/2010
2-Chlorotoluene	BQL	0.00571	1	4/29/2010
4-Chlorotoluene	BQL	0.00571	1	4/29/2010
Dibromochloromethane	BQL	0.00571	1	4/29/2010
1,2-Dibromo-3-chloropropane	BQL	0.0285	1	4/29/2010
Dibromomethane	BQL	0.00571	1	4/29/2010
1,2-Dibromoethane (EDB)	BQL	0.00571	1	4/29/2010
1,2-Dichlorobenzene	BQL	0.00571	1	4/29/2010
1,3-Dichlorobenzene	BQL	0.00571	1	4/29/2010
1,4-Dichlorobenzene	BQL	0.00571	1	4/29/2010
trans-1,4-Dichloro-2-butene	BQL	0.0285	1	4/29/2010
1,1-Dichloroethane	BQL	0.00571	1	4/29/2010
1,1-Dichloroethene	BQL	0.00571	1	4/29/2010
1,2-Dichloroethane	BQL	0.00571	1	4/29/2010
cis-1,2-Dichloroethene	BQL	0.00571	1	4/29/2010
trans-1,2-dichloroethene	BQL	0.00571	1	4/29/2010
1,2-Dichloropropane	BQL	0.00571	1	4/29/2010
1,3-Dichloropropane	BQL	0.00571	1	4/29/2010
2,2-Dichloropropane	BQL	0.00571	1	4/29/2010
1,1-Dichloropropene	BQL	0.00571	1	4/29/2010
cis-1,3-Dichloropropene	BQL	0.00571	1	4/29/2010
trans-1,3-Dichloropropene	BQL	0.00571	1	4/29/2010
Dichlorodifluoromethane	BQL	0.00571	1	4/29/2010
Diisopropyl ether (DIPE)	BQL	0.00571	1	4/29/2010
Ethylbenzene	BQL	0.00571	1	4/29/2010
Hexachlorobutadiene	BQL	0.00571	1	4/29/2010
2-Hexanone	BQL	0.0143	1	4/29/2010
Iodomethane	BQL	0.00571	1	4/29/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-17 (20-22)
Client Project ID: NCDOT
Lab Sample ID G1037-69-23A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 13:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.67 g
%Solids: 77.1

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00571	1	4/29/2010
4-Isopropyltoluene	BQL	0.00571	1	4/29/2010
Methylene chloride	BQL	0.0228	1	4/29/2010
4-Methyl-2-pentanone	BQL	0.0143	1	4/29/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00571	1	4/29/2010
Naphthalene	BQL	0.00571	1	4/29/2010
n-Propyl benzene	BQL	0.00571	1	4/29/2010
Styrene	BQL	0.00571	1	4/29/2010
1,1,1,2-Tetrachloroethane	BQL	0.00571	1	4/29/2010
1,1,2,2-Tetrachloroethane	BQL	0.00571	1	4/29/2010
Tetrachloroethene	BQL	0.00571	1	4/29/2010
Toluene	BQL	0.00571	1	4/29/2010
1,2,3-Trichlorobenzene	BQL	0.00571	1	4/29/2010
1,2,4-Trichlorobenzene	BQL	0.00571	1	4/29/2010
Trichloroethene	BQL	0.00571	1	4/29/2010
1,1,1-Trichloroethane	BQL	0.00571	1	4/29/2010
1,1,2-Trichloroethane	BQL	0.00571	1	4/29/2010
Trichlorofluoromethane	BQL	0.00571	1	4/29/2010
1,2,3-Trichloropropane	BQL	0.00571	1	4/29/2010
1,2,4-Trimethylbenzene	BQL	0.00571	1	4/29/2010
1,3,5-Trimethylbenzene	BQL	0.00571	1	4/29/2010
Vinyl chloride	BQL	0.00571	1	4/29/2010
m-,p-Xylene	BQL	0.0114	1	4/29/2010
o-Xylene	BQL	0.00571	1	4/29/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0639	128
Toluene-d8	0.05	0.0471	94
4-Bromofluorobenzene	0.05	0.0438	88

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: OVO

Reviewed By: [signature]

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-18 (8-10)
Client Project ID: NCDOT
Lab Sample ID G1037-69-24A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 14:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.11 g
%Solids: 73.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0667	1	4/29/2010
Benzene	BQL	0.00667	1	4/29/2010
Bromobenzene	BQL	0.00667	1	4/29/2010
Bromochloromethane	BQL	0.00667	1	4/29/2010
Bromodichloromethane	BQL	0.00667	1	4/29/2010
Bromoform	BQL	0.00667	1	4/29/2010
Bromomethane	BQL	0.00667	1	4/29/2010
2-Butanone	BQL	0.0333	1	4/29/2010
n-Butylbenzene	BQL	0.00667	1	4/29/2010
sec-Butylbenzene	BQL	0.00667	1	4/29/2010
tert-Butylbenzene	BQL	0.00667	1	4/29/2010
Carbon disulfide	BQL	0.00667	1	4/29/2010
Carbon tetrachloride	BQL	0.00667	1	4/29/2010
Chlorobenzene	BQL	0.00667	1	4/29/2010
Chloroethane	BQL	0.00667	1	4/29/2010
Chloroform	BQL	0.00667	1	4/29/2010
Chloromethane	BQL	0.00667	1	4/29/2010
2-Chlorotoluene	BQL	0.00667	1	4/29/2010
4-Chlorotoluene	BQL	0.00667	1	4/29/2010
Dibromochloromethane	BQL	0.00667	1	4/29/2010
1,2-Dibromo-3-chloropropane	BQL	0.0333	1	4/29/2010
Dibromomethane	BQL	0.00667	1	4/29/2010
1,2-Dibromoethane (EDB)	BQL	0.00667	1	4/29/2010
1,2-Dichlorobenzene	BQL	0.00667	1	4/29/2010
1,3-Dichlorobenzene	BQL	0.00667	1	4/29/2010
1,4-Dichlorobenzene	BQL	0.00667	1	4/29/2010
trans-1,4-Dichloro-2-butene	BQL	0.0333	1	4/29/2010
1,1-Dichloroethane	BQL	0.00667	1	4/29/2010
1,1-Dichloroethene	BQL	0.00667	1	4/29/2010
1,2-Dichloroethane	BQL	0.00667	1	4/29/2010
cis-1,2-Dichloroethene	BQL	0.00667	1	4/29/2010
trans-1,2-dichloroethene	BQL	0.00667	1	4/29/2010
1,2-Dichloropropane	BQL	0.00667	1	4/29/2010
1,3-Dichloropropane	BQL	0.00667	1	4/29/2010
2,2-Dichloropropane	BQL	0.00667	1	4/29/2010
1,1-Dichloropropene	BQL	0.00667	1	4/29/2010
cis-1,3-Dichloropropene	BQL	0.00667	1	4/29/2010
trans-1,3-Dichloropropene	BQL	0.00667	1	4/29/2010
Dichlorodifluoromethane	BQL	0.00667	1	4/29/2010
Diisopropyl ether (DIPE)	BQL	0.00667	1	4/29/2010
Ethylbenzene	BQL	0.00667	1	4/29/2010
Hexachlorobutadiene	BQL	0.00667	1	4/29/2010
2-Hexanone	BQL	0.0167	1	4/29/2010
Iodomethane	BQL	0.00667	1	4/29/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-18 (8-10)
Client Project ID: NCDOT
Lab Sample ID G1037-69-24A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 14:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.11 g
%Solids: 73.4

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00667	1	4/29/2010
4-Isopropyltoluene	BQL	0.00667	1	4/29/2010
Methylene chloride	BQL	0.0267	1	4/29/2010
4-Methyl-2-pentanone	BQL	0.0167	1	4/29/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00667	1	4/29/2010
Naphthalene	BQL	0.00667	1	4/29/2010
n-Propyl benzene	BQL	0.00667	1	4/29/2010
Styrene	BQL	0.00667	1	4/29/2010
1,1,1,2-Tetrachloroethane	BQL	0.00667	1	4/29/2010
1,1,2,2-Tetrachloroethane	BQL	0.00667	1	4/29/2010
Tetrachloroethene	BQL	0.00667	1	4/29/2010
Toluene	BQL	0.00667	1	4/29/2010
1,2,3-Trichlorobenzene	BQL	0.00667	1	4/29/2010
1,2,4-Trichlorobenzene	BQL	0.00667	1	4/29/2010
Trichloroethene	BQL	0.00667	1	4/29/2010
1,1,1-Trichloroethane	BQL	0.00667	1	4/29/2010
1,1,2-Trichloroethane	BQL	0.00667	1	4/29/2010
Trichlorofluoromethane	BQL	0.00667	1	4/29/2010
1,2,3-Trichloropropane	BQL	0.00667	1	4/29/2010
1,2,4-Trimethylbenzene	BQL	0.00667	1	4/29/2010
1,3,5-Trimethylbenzene	BQL	0.00667	1	4/29/2010
Vinyl chloride	BQL	0.00667	1	4/29/2010
m-,p-Xylene	BQL	0.0133	1	4/29/2010
o-Xylene	BQL	0.00667	1	4/29/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.064	128
Toluene-d8	0.05	0.047	94
4-Bromofluorobenzene	0.05	0.0431	86

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: OLD

Reviewed By:

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-19 (20-22)
Client Project ID: NCDOT
Lab Sample ID G1037-69-25A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 14:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 4.98 g
%Solids: 70.2

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0715	1	4/29/2010
Benzene	BQL	0.00715	1	4/29/2010
Bromobenzene	BQL	0.00715	1	4/29/2010
Bromochloromethane	BQL	0.00715	1	4/29/2010
Bromodichloromethane	BQL	0.00715	1	4/29/2010
Bromoform	BQL	0.00715	1	4/29/2010
Bromomethane	BQL	0.00715	1	4/29/2010
2-Butanone	BQL	0.0357	1	4/29/2010
n-Butylbenzene	BQL	0.00715	1	4/29/2010
sec-Butylbenzene	BQL	0.00715	1	4/29/2010
tert-Butylbenzene	BQL	0.00715	1	4/29/2010
Carbon disulfide	BQL	0.00715	1	4/29/2010
Carbon tetrachloride	BQL	0.00715	1	4/29/2010
Chlorobenzene	BQL	0.00715	1	4/29/2010
Chloroethane	BQL	0.00715	1	4/29/2010
Chloroform	BQL	0.00715	1	4/29/2010
Chloromethane	BQL	0.00715	1	4/29/2010
2-Chlorotoluene	BQL	0.00715	1	4/29/2010
4-Chlorotoluene	BQL	0.00715	1	4/29/2010
Dibromochloromethane	BQL	0.00715	1	4/29/2010
1,2-Dibromo-3-chloropropane	BQL	0.0357	1	4/29/2010
Dibromomethane	BQL	0.00715	1	4/29/2010
1,2-Dibromoethane (EDB)	BQL	0.00715	1	4/29/2010
1,2-Dichlorobenzene	BQL	0.00715	1	4/29/2010
1,3-Dichlorobenzene	BQL	0.00715	1	4/29/2010
1,4-Dichlorobenzene	BQL	0.00715	1	4/29/2010
trans-1,4-Dichloro-2-butene	BQL	0.0357	1	4/29/2010
1,1-Dichloroethane	BQL	0.00715	1	4/29/2010
1,1-Dichloroethene	BQL	0.00715	1	4/29/2010
1,2-Dichloroethane	BQL	0.00715	1	4/29/2010
cis-1,2-Dichloroethene	BQL	0.00715	1	4/29/2010
trans-1,2-dichloroethene	BQL	0.00715	1	4/29/2010
1,2-Dichloropropane	BQL	0.00715	1	4/29/2010
1,3-Dichloropropane	BQL	0.00715	1	4/29/2010
2,2-Dichloropropane	BQL	0.00715	1	4/29/2010
1,1-Dichloropropene	BQL	0.00715	1	4/29/2010
cis-1,3-Dichloropropene	BQL	0.00715	1	4/29/2010
trans-1,3-Dichloropropene	BQL	0.00715	1	4/29/2010
Dichlorodifluoromethane	BQL	0.00715	1	4/29/2010
Diisopropyl ether (DIPE)	BQL	0.00715	1	4/29/2010
Ethylbenzene	BQL	0.00715	1	4/29/2010
Hexachlorobutadiene	BQL	0.00715	1	4/29/2010
2-Hexanone	BQL	0.0179	1	4/29/2010
Iodomethane	BQL	0.00715	1	4/29/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-19 (20-22)
Client Project ID: NCDOT
Lab Sample ID G1037-69-25A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 14:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 4.98 g
%Solids: 70.2

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00715	1	4/29/2010
4-Isopropyltoluene	BQL	0.00715	1	4/29/2010
Methylene chloride	BQL	0.0286	1	4/29/2010
4-Methyl-2-pentanone	BQL	0.0179	1	4/29/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00715	1	4/29/2010
Naphthalene	BQL	0.00715	1	4/29/2010
n-Propyl benzene	BQL	0.00715	1	4/29/2010
Styrene	BQL	0.00715	1	4/29/2010
1,1,1,2-Tetrachloroethane	BQL	0.00715	1	4/29/2010
1,1,2,2-Tetrachloroethane	BQL	0.00715	1	4/29/2010
Tetrachloroethene	BQL	0.00715	1	4/29/2010
Toluene	**0.00905**	0.00715	1	4/29/2010
1,2,3-Trichlorobenzene	BQL	0.00715	1	4/29/2010
1,2,4-Trichlorobenzene	BQL	0.00715	1	4/29/2010
Trichloroethene	BQL	0.00715	1	4/29/2010
1,1,1-Trichloroethane	BQL	0.00715	1	4/29/2010
1,1,2-Trichloroethane	BQL	0.00715	1	4/29/2010
Trichlorofluoromethane	BQL	0.00715	1	4/29/2010
1,2,3-Trichloropropane	BQL	0.00715	1	4/29/2010
1,2,4-Trimethylbenzene	BQL	0.00715	1	4/29/2010
1,3,5-Trimethylbenzene	BQL	0.00715	1	4/29/2010
Vinyl chloride	BQL	0.00715	1	4/29/2010
m-,p-Xylene	BQL	0.0143	1	4/29/2010
o-Xylene	BQL	0.00715	1	4/29/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0628	126
Toluene-d8	0.05	0.0469	94
4-Bromofluorobenzene	0.05	0.044	88

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: OVO

Reviewed By: 

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-20 (6-8)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-26D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/20/2010 15:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.36 g
%Solids: 69.7

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	1.67	50	5/4/2010
Benzene	BQL	0.0669	50	5/4/2010
Bromobenzene	BQL	0.0669	50	5/4/2010
Bromochloromethane	BQL	0.0669	50	5/4/2010
Bromodichloromethane	BQL	0.0669	50	5/4/2010
Bromoform	BQL	0.0669	50	5/4/2010
Bromomethane	BQL	0.0669	50	5/4/2010
2-Butanone	BQL	1.67	50	5/4/2010
n-Butylbenzene	BQL	0.0669	50	5/4/2010
sec-Butylbenzene	BQL	0.0669	50	5/4/2010
tert-Butylbenzene	BQL	0.0669	50	5/4/2010
Carbon disulfide	BQL	0.0669	50	5/4/2010
Carbon tetrachloride	BQL	0.0669	50	5/4/2010
Chlorobenzene	BQL	0.0669	50	5/4/2010
Chloroethane	BQL	0.0669	50	5/4/2010
Chloroform	BQL	0.0669	50	5/4/2010
Chloromethane	BQL	0.0669	50	5/4/2010
2-Chlorotoluene	BQL	0.0669	50	5/4/2010
4-Chlorotoluene	BQL	0.0669	50	5/4/2010
Dibromochloromethane	BQL	0.0669	50	5/4/2010
1,2-Dibromo-3-chloropropane	BQL	0.334	50	5/4/2010
Dibromomethane	BQL	0.0669	50	5/4/2010
1,2-Dibromoethane (EDB)	BQL	0.0669	50	5/4/2010
1,2-Dichlorobenzene	BQL	0.0669	50	5/4/2010
1,3-Dichlorobenzene	BQL	0.0669	50	5/4/2010
1,4-Dichlorobenzene	BQL	0.0669	50	5/4/2010
trans-1,4-Dichloro-2-butene	BQL	0.334	50	5/4/2010
1,1-Dichloroethane	BQL	0.0669	50	5/4/2010
1,1-Dichloroethene	BQL	0.0669	50	5/4/2010
1,2-Dichloroethane	BQL	0.0669	50	5/4/2010
cis-1,2-Dichloroethene	BQL	0.0669	50	5/4/2010
trans-1,2-dichloroethene	BQL	0.0669	50	5/4/2010
1,2-Dichloropropane	BQL	0.0669	50	5/4/2010
1,3-Dichloropropane	BQL	0.0669	50	5/4/2010
2,2-Dichloropropane	BQL	0.0669	50	5/4/2010
1,1-Dichloropropene	BQL	0.0669	50	5/4/2010
cis-1,3-Dichloropropene	BQL	0.0669	50	5/4/2010
trans-1,3-Dichloropropene	BQL	0.0669	50	5/4/2010
Dichlorodifluoromethane	BQL	0.334	50	5/4/2010
Diisopropyl ether (DIPE)	BQL	0.0669	50	5/4/2010
Ethylbenzene	BQL	0.0669	50	5/4/2010
Hexachlorobutadiene	BQL	0.0669	50	5/4/2010
2-Hexanone	BQL	0.334	50	5/4/2010
Iodomethane	BQL	0.0669	50	5/4/2010
Isopropylbenzene	BQL	0.0669	50	5/4/2010

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-20 (6-8)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-26D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/20/2010 15:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.36 g
%Solids: 69.7

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.0669	50	5/4/2010
Methylene chloride	BQL	0.334	50	5/4/2010
4-Methyl-2-pentanone	BQL	0.334	50	5/4/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.0669	50	5/4/2010
Naphthalene	BQL	0.0669	50	5/4/2010
n-Propyl benzene	BQL	0.0669	50	5/4/2010
Styrene	BQL	0.0669	50	5/4/2010
1,1,1,2-Tetrachloroethane	BQL	0.0669	50	5/4/2010
1,1,2,2-Tetrachloroethane	BQL	0.0669	50	5/4/2010
Tetrachloroethene	**0.625**	0.0669	50	5/4/2010
Toluene	BQL	0.0669	50	5/4/2010
1,2,3-Trichlorobenzene	BQL	0.0669	50	5/4/2010
1,2,4-Trichlorobenzene	BQL	0.0669	50	5/4/2010
Trichloroethene	BQL	0.0669	50	5/4/2010
1,1,1-Trichloroethane	BQL	0.0669	50	5/4/2010
1,1,2-Trichloroethane	BQL	0.0669	50	5/4/2010
Trichlorofluoromethane	BQL	0.0669	50	5/4/2010
1,2,3-Trichloropropane	BQL	0.0669	50	5/4/2010
1,2,4-Trimethylbenzene	BQL	0.0669	50	5/4/2010
1,3,5-Trimethylbenzene	BQL	0.0669	50	5/4/2010
Vinyl chloride	BQL	0.0669	50	5/4/2010
m-,p-Xylene	BQL	0.134	50	5/4/2010
o-Xylene	BQL	0.0669	50	5/4/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0331	110
Toluene-d8	0.03	0.028	93
4-Bromofluorobenzene	0.03	0.0295	98

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By: [signature]

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-20 (12-14)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-27D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/20/2010 15:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 6.03 g
%Solids: 72.4

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	1.43	50	5/4/2010
Benzene	BQL	0.0572	50	5/4/2010
Bromobenzene	BQL	0.0572	50	5/4/2010
Bromochloromethane	BQL	0.0572	50	5/4/2010
Bromodichloromethane	BQL	0.0572	50	5/4/2010
Bromoform	BQL	0.0572	50	5/4/2010
Bromomethane	BQL	0.0572	50	5/4/2010
2-Butanone	BQL	1.43	50	5/4/2010
n-Butylbenzene	BQL	0.0572	50	5/4/2010
sec-Butylbenzene	BQL	0.0572	50	5/4/2010
tert-Butylbenzene	BQL	0.0572	50	5/4/2010
Carbon disulfide	BQL	0.0572	50	5/4/2010
Carbon tetrachloride	BQL	0.0572	50	5/4/2010
Chlorobenzene	BQL	0.0572	50	5/4/2010
Chloroethane	BQL	0.0572	50	5/4/2010
Chloroform	BQL	0.0572	50	5/4/2010
Chloromethane	BQL	0.0572	50	5/4/2010
2-Chlorotoluene	BQL	0.0572	50	5/4/2010
4-Chlorotoluene	BQL	0.0572	50	5/4/2010
Dibromochloromethane	BQL	0.0572	50	5/4/2010
1,2-Dibromo-3-chloropropane	BQL	0.286	50	5/4/2010
Dibromomethane	BQL	0.0572	50	5/4/2010
1,2-Dibromoethane (EDB)	BQL	0.0572	50	5/4/2010
1,2-Dichlorobenzene	BQL	0.0572	50	5/4/2010
1,3-Dichlorobenzene	BQL	0.0572	50	5/4/2010
1,4-Dichlorobenzene	BQL	0.0572	50	5/4/2010
trans-1,4-Dichloro-2-butene	BQL	0.286	50	5/4/2010
1,1-Dichloroethane	BQL	0.0572	50	5/4/2010
1,1-Dichloroethene	BQL	0.0572	50	5/4/2010
1,2-Dichloroethane	BQL	0.0572	50	5/4/2010
cis-1,2-Dichloroethene	BQL	0.0572	50	5/4/2010
trans-1,2-dichloroethene	BQL	0.0572	50	5/4/2010
1,2-Dichloropropane	BQL	0.0572	50	5/4/2010
1,3-Dichloropropane	BQL	0.0572	50	5/4/2010
2,2-Dichloropropane	BQL	0.0572	50	5/4/2010
1,1-Dichloropropene	BQL	0.0572	50	5/4/2010
cis-1,3-Dichloropropene	BQL	0.0572	50	5/4/2010
trans-1,3-Dichloropropene	BQL	0.0572	50	5/4/2010
Dichlorodifluoromethane	BQL	0.286	50	5/4/2010
Diisopropyl ether (DIPE)	BQL	0.0572	50	5/4/2010
Ethylbenzene	BQL	0.0572	50	5/4/2010
Hexachlorobutadiene	BQL	0.0572	50	5/4/2010
2-Hexanone	BQL	0.286	50	5/4/2010
Iodomethane	BQL	0.0572	50	5/4/2010
Isopropylbenzene	BQL	0.0572	50	5/4/2010

Results for Volatiles
by GCMS 8260/5035

Client Sample ID: SB-20 (12-14)
Client Project ID: NCDOT
Lab Sample ID: G1037-69-27D
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 4/20/2010 15:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 6.03 g
%Solids: 72.4

Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.0572	50	5/4/2010
Methylene chloride	BQL	0.286	50	5/4/2010
4-Methyl-2-pentanone	BQL	0.286	50	5/4/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.0572	50	5/4/2010
Naphthalene	BQL	0.0572	50	5/4/2010
n-Propyl benzene	BQL	0.0572	50	5/4/2010
Styrene	BQL	0.0572	50	5/4/2010
1,1,1,2-Tetrachloroethane	BQL	0.0572	50	5/4/2010
1,1,2,2-Tetrachloroethane	BQL	0.0572	50	5/4/2010
Tetrachloroethene	**0.692**	0.0572	50	5/4/2010
Toluene	BQL	0.0572	50	5/4/2010
1,2,3-Trichlorobenzene	BQL	0.0572	50	5/4/2010
1,2,4-Trichlorobenzene	BQL	0.0572	50	5/4/2010
Trichloroethene	BQL	0.0572	50	5/4/2010
1,1,1-Trichloroethane	BQL	0.0572	50	5/4/2010
1,1,2-Trichloroethane	BQL	0.0572	50	5/4/2010
Trichlorofluoromethane	BQL	0.0572	50	5/4/2010
1,2,3-Trichloropropane	BQL	0.0572	50	5/4/2010
1,2,4-Trimethylbenzene	BQL	0.0572	50	5/4/2010
1,3,5-Trimethylbenzene	BQL	0.0572	50	5/4/2010
Vinyl chloride	BQL	0.0572	50	5/4/2010
m-,p-Xylene	BQL	0.114	50	5/4/2010
o-Xylene	BQL	0.0572	50	5/4/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0316	105
Toluene-d8	0.03	0.0276	92
4-Bromofluorobenzene	0.03	0.0286	95

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By: 

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-21 (14-16)
Client Project ID: NCDOT
Lab Sample ID G1037-69-28A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 16:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.36 g
%Solids: 71.5

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0653	1	4/29/2010
Benzene	BQL	0.00653	1	4/29/2010
Bromobenzene	BQL	0.00653	1	4/29/2010
Bromochloromethane	BQL	0.00653	1	4/29/2010
Bromodichloromethane	BQL	0.00653	1	4/29/2010
Bromoform	BQL	0.00653	1	4/29/2010
Bromomethane	BQL	0.00653	1	4/29/2010
2-Butanone	BQL	0.0326	1	4/29/2010
n-Butylbenzene	BQL	0.00653	1	4/29/2010
sec-Butylbenzene	BQL	0.00653	1	4/29/2010
tert-Butylbenzene	BQL	0.00653	1	4/29/2010
Carbon disulfide	BQL	0.00653	1	4/29/2010
Carbon tetrachloride	BQL	0.00653	1	4/29/2010
Chlorobenzene	BQL	0.00653	1	4/29/2010
Chloroethane	BQL	0.00653	1	4/29/2010
Chloroform	BQL	0.00653	1	4/29/2010
Chloromethane	BQL	0.00653	1	4/29/2010
2-Chlorotoluene	BQL	0.00653	1	4/29/2010
4-Chlorotoluene	BQL	0.00653	1	4/29/2010
Dibromochloromethane	BQL	0.00653	1	4/29/2010
1,2-Dibromo-3-chloropropane	BQL	0.0326	1	4/29/2010
Dibromomethane	BQL	0.00653	1	4/29/2010
1,2-Dibromoethane (EDB)	BQL	0.00653	1	4/29/2010
1,2-Dichlorobenzene	BQL	0.00653	1	4/29/2010
1,3-Dichlorobenzene	BQL	0.00653	1	4/29/2010
1,4-Dichlorobenzene	BQL	0.00653	1	4/29/2010
trans-1,4-Dichloro-2-butene	BQL	0.0326	1	4/29/2010
1,1-Dichloroethane	BQL	0.00653	1	4/29/2010
1,1-Dichloroethene	BQL	0.00653	1	4/29/2010
1,2-Dichloroethane	BQL	0.00653	1	4/29/2010
cis-1,2-Dichloroethene	BQL	0.00653	1	4/29/2010
trans-1,2-dichloroethene	BQL	0.00653	1	4/29/2010
1,2-Dichloropropane	BQL	0.00653	1	4/29/2010
1,3-Dichloropropane	BQL	0.00653	1	4/29/2010
2,2-Dichloropropane	BQL	0.00653	1	4/29/2010
1,1-Dichloropropene	BQL	0.00653	1	4/29/2010
cis-1,3-Dichloropropene	BQL	0.00653	1	4/29/2010
trans-1,3-Dichloropropene	BQL	0.00653	1	4/29/2010
Dichlorodifluoromethane	BQL	0.00653	1	4/29/2010
Diisopropyl ether (DIPE)	BQL	0.00653	1	4/29/2010
Ethylbenzene	BQL	0.00653	1	4/29/2010
Hexachlorobutadiene	BQL	0.00653	1	4/29/2010
2-Hexanone	BQL	0.0163	1	4/29/2010
Iodomethane	BQL	0.00653	1	4/29/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-21 (14-16)
Client Project ID: NCDOT
Lab Sample ID G1037-69-28A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 16:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.36 g
%Solids: 71.5

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00653	1	4/29/2010
4-Isopropyltoluene	BQL	0.00653	1	4/29/2010
Methylene chloride	BQL	0.0261	1	4/29/2010
4-Methyl-2-pentanone	BQL	0.0163	1	4/29/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00653	1	4/29/2010
Naphthalene	BQL	0.00653	1	4/29/2010
n-Propyl benzene	BQL	0.00653	1	4/29/2010
Styrene	BQL	0.00653	1	4/29/2010
1,1,1,2-Tetrachloroethane	BQL	0.00653	1	4/29/2010
1,1,2,2-Tetrachloroethane	BQL	0.00653	1	4/29/2010
Tetrachloroethene	BQL	0.00653	1	4/29/2010
Toluene	BQL	0.00653	1	4/29/2010
1,2,3-Trichlorobenzene	BQL	0.00653	1	4/29/2010
1,2,4-Trichlorobenzene	BQL	0.00653	1	4/29/2010
Trichloroethene	BQL	0.00653	1	4/29/2010
1,1,1-Trichloroethane	BQL	0.00653	1	4/29/2010
1,1,2-Trichloroethane	BQL	0.00653	1	4/29/2010
Trichlorofluoromethane	BQL	0.00653	1	4/29/2010
1,2,3-Trichloropropane	BQL	0.00653	1	4/29/2010
1,2,4-Trimethylbenzene	BQL	0.00653	1	4/29/2010
1,3,5-Trimethylbenzene	BQL	0.00653	1	4/29/2010
Vinyl chloride	BQL	0.00653	1	4/29/2010
m-,p-Xylene	BQL	0.0131	1	4/29/2010
o-Xylene	BQL	0.00653	1	4/29/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.064	128
Toluene-d8	0.05	0.0467	93
4-Bromofluorobenzene	0.05	0.0418	84

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-22 (6-8)
Client Project ID: NCDOT
Lab Sample ID G1037-69-29A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 16:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.34 g
%Solids: 73.6

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0635	1	4/29/2010
Benzene	BQL	0.00635	1	4/29/2010
Bromobenzene	BQL	0.00635	1	4/29/2010
Bromochloromethane	BQL	0.00635	1	4/29/2010
Bromodichloromethane	BQL	0.00635	1	4/29/2010
Bromoform	BQL	0.00635	1	4/29/2010
Bromomethane	BQL	0.00635	1	4/29/2010
2-Butanone	BQL	0.0317	1	4/29/2010
n-Butylbenzene	BQL	0.00635	1	4/29/2010
sec-Butylbenzene	**0.0480**	0.00635	1	4/29/2010
tert-Butylbenzene	BQL	0.00635	1	4/29/2010
Carbon disulfide	BQL	0.00635	1	4/29/2010
Carbon tetrachloride	BQL	0.00635	1	4/29/2010
Chlorobenzene	BQL	0.00635	1	4/29/2010
Chloroethane	BQL	0.00635	1	4/29/2010
Chloroform	BQL	0.00635	1	4/29/2010
Chloromethane	BQL	0.00635	1	4/29/2010
2-Chlorotoluene	BQL	0.00635	1	4/29/2010
4-Chlorotoluene	BQL	0.00635	1	4/29/2010
Dibromochloromethane	BQL	0.00635	1	4/29/2010
1,2-Dibromo-3-chloropropane	BQL	0.0317	1	4/29/2010
Dibromomethane	BQL	0.00635	1	4/29/2010
1,2-Dibromoethane (EDB)	BQL	0.00635	1	4/29/2010
1,2-Dichlorobenzene	BQL	0.00635	1	4/29/2010
1,3-Dichlorobenzene	BQL	0.00635	1	4/29/2010
1,4-Dichlorobenzene	BQL	0.00635	1	4/29/2010
trans-1,4-Dichloro-2-butene	BQL	0.0317	1	4/29/2010
1,1-Dichloroethane	BQL	0.00635	1	4/29/2010
1,1-Dichloroethene	BQL	0.00635	1	4/29/2010
1,2-Dichloroethane	BQL	0.00635	1	4/29/2010
cis-1,2-Dichloroethene	BQL	0.00635	1	4/29/2010
trans-1,2-dichloroethene	BQL	0.00635	1	4/29/2010
1,2-Dichloropropane	BQL	0.00635	1	4/29/2010
1,3-Dichloropropane	BQL	0.00635	1	4/29/2010
2,2-Dichloropropane	BQL	0.00635	1	4/29/2010
1,1-Dichloropropene	BQL	0.00635	1	4/29/2010
cis-1,3-Dichloropropene	BQL	0.00635	1	4/29/2010
trans-1,3-Dichloropropene	BQL	0.00635	1	4/29/2010
Dichlorodifluoromethane	BQL	0.00635	1	4/29/2010
Diisopropyl ether (DIPE)	BQL	0.00635	1	4/29/2010
Ethylbenzene	BQL	0.00635	1	4/29/2010
Hexachlorobutadiene	BQL	0.00635	1	4/29/2010
2-Hexanone	BQL	0.0159	1	4/29/2010
Iodomethane	BQL	0.00635	1	4/29/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-22 (6-8)
Client Project ID: NCDOT
Lab Sample ID G1037-69-29A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 16:30
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.34 g
%Solids: 73.6

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	BQL	0.00635	1	4/29/2010
4-Isopropyltoluene	BQL	0.00635	1	4/29/2010
Methylene chloride	BQL	0.0254	1	4/29/2010
4-Methyl-2-pentanone	BQL	0.0159	1	4/29/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00635	1	4/29/2010
Naphthalene	BQL	0.00635	1	4/29/2010
n-Propyl benzene	BQL	0.00635	1	4/29/2010
Styrene	BQL	0.00635	1	4/29/2010
1,1,1,2-Tetrachloroethane	BQL	0.00635	1	4/29/2010
1,1,2,2-Tetrachloroethane	BQL	0.00635	1	4/29/2010
Tetrachloroethene	BQL	0.00635	1	4/29/2010
Toluene	BQL	0.00635	1	4/29/2010
1,2,3-Trichlorobenzene	BQL	0.00635	1	4/29/2010
1,2,4-Trichlorobenzene	BQL	0.00635	1	4/29/2010
Trichloroethene	BQL	0.00635	1	4/29/2010
1,1,1-Trichloroethane	BQL	0.00635	1	4/29/2010
1,1,2-Trichloroethane	BQL	0.00635	1	4/29/2010
Trichlorofluoromethane	BQL	0.00635	1	4/29/2010
1,2,3-Trichloropropane	BQL	0.00635	1	4/29/2010
1,2,4-Trimethylbenzene	BQL	0.00635	1	4/29/2010
1,3,5-Trimethylbenzene	BQL	0.00635	1	4/29/2010
Vinyl chloride	BQL	0.00635	1	4/29/2010
m-,p-Xylene	BQL	0.0127	1	4/29/2010
o-Xylene	BQL	0.00635	1	4/29/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0618	124
Toluene-d8	0.05	0.0499	100
4-Bromofluorobenzene	0.05	0.0481	96

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVS

Reviewed By: _____

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-22 (10-12)
Client Project ID: NCDOT
Lab Sample ID G1037-69-30A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 17:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.53 g
%Solids: 75.5

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	0.0599	1	4/29/2010
Benzene	BQL	0.00599	1	4/29/2010
Bromobenzene	BQL	0.00599	1	4/29/2010
Bromochloromethane	BQL	0.00599	1	4/29/2010
Bromodichloromethane	BQL	0.00599	1	4/29/2010
Bromoform	BQL	0.00599	1	4/29/2010
Bromomethane	BQL	0.00599	1	4/29/2010
2-Butanone	BQL	0.0300	1	4/29/2010
n-Butylbenzene	BQL	0.00599	1	4/29/2010
sec-Butylbenzene	**0.0285**	0.00599	1	4/29/2010
tert-Butylbenzene	BQL	0.00599	1	4/29/2010
Carbon disulfide	BQL	0.00599	1	4/29/2010
Carbon tetrachloride	BQL	0.00599	1	4/29/2010
Chlorobenzene	BQL	0.00599	1	4/29/2010
Chloroethane	BQL	0.00599	1	4/29/2010
Chloroform	BQL	0.00599	1	4/29/2010
Chloromethane	BQL	0.00599	1	4/29/2010
2-Chlorotoluene	BQL	0.00599	1	4/29/2010
4-Chlorotoluene	BQL	0.00599	1	4/29/2010
Dibromochloromethane	BQL	0.00599	1	4/29/2010
1,2-Dibromo-3-chloropropane	BQL	0.0300	1	4/29/2010
Dibromomethane	BQL	0.00599	1	4/29/2010
1,2-Dibromoethane (EDB)	BQL	0.00599	1	4/29/2010
1,2-Dichlorobenzene	BQL	0.00599	1	4/29/2010
1,3-Dichlorobenzene	BQL	0.00599	1	4/29/2010
1,4-Dichlorobenzene	BQL	0.00599	1	4/29/2010
trans-1,4-Dichloro-2-butene	BQL	0.0300	1	4/29/2010
1,1-Dichloroethane	BQL	0.00599	1	4/29/2010
1,1-Dichloroethene	BQL	0.00599	1	4/29/2010
1,2-Dichloroethane	BQL	0.00599	1	4/29/2010
cis-1,2-Dichloroethene	BQL	0.00599	1	4/29/2010
trans-1,2-dichloroethene	BQL	0.00599	1	4/29/2010
1,2-Dichloropropane	BQL	0.00599	1	4/29/2010
1,3-Dichloropropane	BQL	0.00599	1	4/29/2010
2,2-Dichloropropane	BQL	0.00599	1	4/29/2010
1,1-Dichloropropene	BQL	0.00599	1	4/29/2010
cis-1,3-Dichloropropene	BQL	0.00599	1	4/29/2010
trans-1,3-Dichloropropene	BQL	0.00599	1	4/29/2010
Dichlorodifluoromethane	BQL	0.00599	1	4/29/2010
Diisopropyl ether (DIPE)	BQL	0.00599	1	4/29/2010
Ethylbenzene	BQL	0.00599	1	4/29/2010
Hexachlorobutadiene	BQL	0.00599	1	4/29/2010
2-Hexanone	BQL	0.0150	1	4/29/2010
Iodomethane	BQL	0.00599	1	4/29/2010

Results for Volatiles
by GCMS 8260-5035

Client Sample ID: SB-22 (10-12)
Client Project ID: NCDOT
Lab Sample ID G1037-69-30A
Lab Project ID: G1037-69
Report Basis: Dry Weight

Analyzed By: CLP
Date Collected: 04-20-2010 17:00
Date Received: 4/23/2010
Matrix: Soil
Sample Amount: 5.53 g
%Solids: 75.5

Report Name Compound	Result MG/KG	Quantitation Limit MG/KG	Dilution Factor	Date Analyzed
Isopropylbenzene	**0.00745**	0.00599	1	4/29/2010
4-Isopropyltoluene	BQL	0.00599	1	4/29/2010
Methylene chloride	BQL	0.0240	1	4/29/2010
4-Methyl-2-pentanone	BQL	0.0150	1	4/29/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00599	1	4/29/2010
Naphthalene	**0.0234**	0.00599	1	4/29/2010
n-Propyl benzene	BQL	0.00599	1	4/29/2010
Styrene	BQL	0.00599	1	4/29/2010
1,1,1,2-Tetrachloroethane	BQL	0.00599	1	4/29/2010
1,1,2,2-Tetrachloroethane	BQL	0.00599	1	4/29/2010
Tetrachloroethene	BQL	0.00599	1	4/29/2010
Toluene	BQL	0.00599	1	4/29/2010
1,2,3-Trichlorobenzene	BQL	0.00599	1	4/29/2010
1,2,4-Trichlorobenzene	BQL	0.00599	1	4/29/2010
Trichloroethene	**0.00950**	0.00599	1	4/29/2010
1,1,1-Trichloroethane	BQL	0.00599	1	4/29/2010
1,1,2-Trichloroethane	BQL	0.00599	1	4/29/2010
Trichlorofluoromethane	BQL	0.00599	1	4/29/2010
1,2,3-Trichloropropane	BQL	0.00599	1	4/29/2010
1,2,4-Trimethylbenzene	BQL	0.00599	1	4/29/2010
1,3,5-Trimethylbenzene	BQL	0.00599	1	4/29/2010
Vinyl chloride	BQL	0.00599	1	4/29/2010
m-,p-Xylene	BQL	0.0120	1	4/29/2010
o-Xylene	BQL	0.00599	1	4/29/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.05	0.0702	140
Toluene-d8	0.05	0.0482	96
4-Bromofluorobenzene	0.05	0.0441	88

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By:

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(1)

CLIENT: AECOM
CONTACT: M. Dail PHONE NO:
PROJECT: NCDOT SITE/PWSID# :
REPORTS TO: M. Dail EMAIL: Michael.dail@aecom.com
INVOICE TO: QUOTE #:
P.O. #:

SGS Reference #: G1037-69

page 1 of 3

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used	Analysis Required (3) 8260	REMARKS/ LOC ID
	SB-1 (8-10)	4/19/10	0900	S	5	G		X	
	SB-2 (10-12)		0915	S	5	G		X	
	SB-3 (6-8)		0930	S	5	G		X	
	SB-4 (4-6)		0945	S	5	G		X	
	SB-4 ~~(12-18)~~ 12-14		1000	S	5	G		X	
	SB-4 (20-22)		1015	S	5	G		X	
	SB-5 (14-16)		1030	S	5	G		X	RS-10
	SB-6 (12-14)		~~1000~~ 1045	S	5	G		X	
	SB-7 (8-10)		~~1130~~ 1100	S	5	G		X	
	SB-7 (14-16)		1115	S	5	G		X	NO sample

SGS North America, Inc.

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
MDH	4/22/10	0900	
Relinquished By: (2)	Date	Time	Received By:
	4/23/10	1010	
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:

(4)

DOD Project? YES NO
Cooler ID _____

Special Deliverable Requirements:

Requested Turnaround Time and-or Special Instructions:

Samples Received Cold? (YES) NO
Cooler TB
Temperature °C: 5.2, 5.3 oc

Chain of Custody Seal: (Circle)
INTACT BROKEN (ABSENT)

200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
550 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

SGS Environmental Services Inc.
CHAIN OF CUSTODY RECORD

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(1)

CLIENT: AECOM

CONTACT: M. Dail PHONE NO:

PROJECT: NCDOT SITE/PWSID# :

REPORTS TO: EMAIL: michael.dail@aecom.com

INVOICE TO: QUOTE #:

P.O. #:

SGS Reference #:

page 2 of 3

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used	Analysis Required (3) 8260	REMARKS/ LOC ID
	SB-8 (10-12)	4/19/10	1130	S	5	G		X	
	SB-8 (14-16)	4/19/10	1145	S	5	G		X	
	SB-8 (18-20)	4/19/10	1200	S	5	G		X	RS-11
	SB-9 (12-14)	4/19/10	1215	S	5	G		X	
	SB-10 (8-10)	4/19/10	1230	S	5	G		X	
	SB-11 (12-14	14/19/10	1330	S	5	G		X	
	SB-12 (4-6)	4/20/10	1000	S	5	G		X	
	SB-13 (14-16)	↓	1010	S	5	G		X	
	SB-14 (10-12)		1100	S	5	G		X	RS-12
	SB-14 (16-18)	↓	1110	S	5	G		X	

SGS NORTH AMERICA, INC.

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
MD	4/22/10	0920	
Relinquished By: (2)	Date	Time	Received By:
	4/23/10	1010	
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:

(4)

DOD Project? YES NO

Cooler ID _____

Special Deliverable Requirements:

Requested Turnaround Time and-or Special Instructions:

Samples Received Cold? (YES) NO

Cooler TB

Temperature °C: 5.2, 5.3°C

Chain of Custody Seal: (Circle)

INTACT BROKEN (ABSENT)

❑ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
❑ 550 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

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(1)
CLIENT: AECOM
CONTACT: M. Dail PHONE NO:
PROJECT: NCDOT SITE/PWSID# :
REPORTS TO: EMAIL: Michael.dail@aecom.com
INVOICE TO: QUOTE #:
P.O. #:

SGS Reference #:

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used	Analysis Required (3) 8260	REMARKS/ LOC ID
	SB-15 (12-14)	4/20/10	1130	S	5	G		X	
	SB-16 (6-8)		1220	S	5	G		X	
	SB-17 (20-22)		1300	S	5	G		X	
	SB-18 (8-10)		1400	S	5	G		X	
	SB-19 (20-22)		1430	S	5	G		X	
	SB-20 (6-8)		1500	S	5	G		X	RS-13
	SB-20 (12-14)		1530	S	5	G		X	
	SB-21 (14-16)		1600	S	5	G		X	
	SB-22 (6-8)		1630	S	5	G		X	
	SB-22 (10-12)		1700	S	5	G		X	NO sample

(5)

Collected/Relinquished By:(1)	Date 4/22/10	Time 0900	Received By:
Relinquished By: (2)	Date 4/23/10	Time 1010	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:

(4)
DOD Project? YES NO
Cooler ID _____
Special Deliverable Requirements:
Requested Turnaround Time and-or Special Instructions:

Samples Received Cold? YES NO
Cooler TB
Temperature °C: 5.2, 5.3°C

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

SGS North America, Inc.

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White - Retained by Lab
Pink - Retained by Client

SGS

Matt Brennan
AECOM
8540 Colonnade Center Drive
Raleigh, NC 27615

Report Number: G1037-70

Client Project: NCDOT-Pittsboro

Dear Matt Brennan,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America, Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America, Inc.

Barbara Hager May 17-2010

Project Manager
Barbara Hager

Date

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

May 11, 2010

Barbara A. Hager
SGS North America, Inc.
5500 Business Dr.
Willmington NC 28405

TEL: (910) 350-1903
FAX:

RE: G1037-70

Dear Barbara A. Hager: Order No: 1005450

Analytical Environmental Services, Inc. received 21 samples on 5/6/2010 10:40:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:
-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/09-06/30/10.
-North Carolina Certification number 562 for analysis of Surface Water, Groundwater, Effluent, effective until 12/31/10.
-South Carolina Environmental Laboratory Certification number 98016002 effective until 12/31/10.
South Carolina Environmental Laboratory Certification number 98016003 effective until 6/30/10.

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

James Forrest
Project Manager

100 5450

CHAIN OF CUSTODY RECORD
SGS Environmental Services Inc.

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CLIENT: **SGS Wilmington**
CONTACT: **Barbara Hager** PHONE NO: **910.350.1903**
PROJECT: G1037-70 SITE/PWSID#:
REPORTS TO: **barbara.hager@sgs.com**
INVOICE TO: QUOTE #:
P.O. NUMBER: G1037-70

SGS Reference #: **G1037-70**

page 1 of 3

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	Preserv. Used / SAMPLE TYPE C = COMP G = GRAB	HCl / 8260	REMARKS
	G1037-70-1	4/26/2010	1350	water	3	grab	✱	
	G1037-70-2	4/26/2010	1330	water	3	grab	✱	
	G1037-70-3	4/26/2010	1435	water	3	grab	✱	
	G1037-70-4	4/26/2010	1550	water	3	grab	✱	
	G1037-70-5	4/26/2010	1445	water	3	grab	✱	
	G1037-70-6	4/26/2010	1635	water	3	grab	✱	
	G1037-70-7	4/26/2010	1710	water	3	grab	✱	
	G1037-70-8	4/27/2010	0	water	3	grab	✱	
	G1037-70-9	4/27/2010	1120	water	3	grab	✱	
	G1037-70-10	4/27/2010	1230	water	3	grab	✱	

Collected/Relinquished By: (1)	Date	Time	Received By:	Shipping Carrier: / Shipping Ticket No: — Samples Received Cold? YES NO / Temperature °C:
Relinquished By: (2)	Date 5/5/10	Time 14:18	Received By: 5/6/10	Special Deliverable Requirements: — Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT
Relinquished By: (3)	Date	Time	Received By: 10:40	Requested Turnaround Time and-or Special Instructions:
Relinquished By: (4)	Date	Time	Received For Laboratory By: F	Summary Report + Excel EDD * short holding time *

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3180 Peger Road **Fairbanks, AK 99701** Tel: (907) 474-8656 Fax: (907) 474-9685
5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

CHAIN OF CUSTODY RECORD
SGS Environmental Services Inc.

1005450

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CLIENT: **SGS Wilmington**
CONTACT: **Barbara Hager** PHONE NO: **910.350.1903**

PROJECT: G1037-70 SITE/PWSID#:

REPORTS TO: **barbara.hager@sgs.com**

INVOICE TO: QUOTE #:
P.O. NUMBER: G1037-70

SGS Reference #: **G1037-70**

page 2 of 3

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	Preserv. Used / SAMPLE TYPE C = COMP G = GRAB	HCl / 8260	REMARKS
	G1037-70-11	4/27/2010	1605	water	3	grab	✠	
	G1037-70-12	4/27/2010	1550	water	3	grab	✠	
	G1037-70-13	4/27/2010	1458	water	3	grab	✠	
	G1037-70-14	4/27/2010	1515	water	3	grab	✠	
	G1037-70-15	4/27/2010	1235	water	3	grab	✠	
	G1037-70-16	4/27/2010	1055	water	3	grab	✠	
	G1037-70-17	4/27/2010	1155	water	3	grab	✠	
	G1037-70-18	4/27/2010	1050	water	3	grab	✠	
	G1037-70-19	4/27/2010	955	water	3	grab	✠	
	G1037-70-20	4/27/2010	1000	water	3	grab	✠	

Collected/Relinquished By: (1)	Date	Time	Received By:	Shipping Carrier: / Shipping Ticket No: — Samples Received Cold? YES NO / Temperature °C:
Relinquished By: (2)	Date 5/5/10	Time 14:18	Received By:	Special Deliverable Requirements: — Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT
Relinquished By: (3)	Date 5/6/10	Time 10:40	Received By:	Requested Turnaround Time and-or Special Instructions:
Relinquished By: (4)	Date	Time	Received For Laboratory By:	

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SGS Environmental Services Inc.

100 5450

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CLIENT: **SGS Wilmington**
CONTACT: **Barbara Hager** PHONE NO: **910.350.1903**
PROJECT: G1037-70 SITE/PWSID#:
REPORTS TO: **barbara.hager@sgs.com**
INVOICE TO: QUOTE #:
P.O. NUMBER: G1037-70

SGS Reference #: G1037-70

page 3 of 3

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS NM	Preserv. Used	SAMPLE TYPE C = COMP G = GRAB	HCl 8260	REMARKS
	G1037-70-21	4/27/2010	0	water	2		grab	X	Trip Blank

Collected/Relinquished By: (1)	Date	Time	Received By:	Shipping Carrier:	Samples Received Cold? YES NO
				Shipping Ticket No:	Temperature °C:
Relinquished By: (2)	Date 5/5/10	Time 14:18	Received By:	Special Deliverable Requirements:	Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT
Relinquished By: (3)	Date 5/6/10	Time 10:40	Received By:	Requested Turnaround Time and-or Special Instructions:	
Relinquished By: (4)	Date	Time	Received For Laboratory By:		

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5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

Analytical Environmental Services, Inc

Date: 13-May-10

Client: SGS North America, Inc.
Project: G1037-70
Lab ID: 1005450

Case Narrative

Sample Receiving Nonconformance:

One vial was received broken for each of samples 1005450-004A and -016A. The laboratory proceeded with analysis using the remaining vials for each samples.

Volatile Organic Compounds Analysis by Method 8260B:

Percent recoveries for the internal standard compounds Pentafluorobenzene and 1,4-Dichlorobenzene-d4 on samples 1005450-004A, -005A, -006A, -007A, -008A,-010A, -011A, -012A, -013A, -014A, -015A, -016A, -017A, -018A, -019A, and -020A were outside control limits biased low due to suspected matrix interference.

Percent recovery for the internal standard compound Pentafluorobenzene on sample 1005450-002A was outside control limits biased low due to suspected matrix interference.

Analytical Environmental Services, Inc 48MW-2 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-1
Project Name:	G1037-70	**Collection Date:**	4/26/2010 1:50:00 PM
Lab ID:	1005450-001	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 14:37	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 14:37	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 14:37	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 14:37	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 14:37	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 14:37	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 14:37	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 14:37	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 14:37	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/09/2010 14:37	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 14:37	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 14:37	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48MW-2 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-1
Project Name:	G1037-70	**Collection Date:**	4/26/2010 1:50:00 PM
Lab ID:	1005450-001	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 14:37	JT
cis-1,2-Dichloroethene	BRL		0.35	5.0	ug/L	129176	1	05/09/2010 14:37	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 14:37	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/09/2010 14:37	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/09/2010 14:37	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 14:37	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/09/2010 14:37	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 14:37	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 14:37	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 14:37	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 14:37	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/09/2010 14:37	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Tetrachloroethene	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 14:37	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 14:37	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/09/2010 14:37	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/09/2010 14:37	JT
Trichloroethene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 14:37	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/09/2010 14:37	JT
Surr: 4-Bromofluorobenzene	78.6		0	60.1-127	%REC	129176	1	05/09/2010 14:37	JT
Surr: Dibromofluoromethane	100		0	79.6-126	%REC	129176	1	05/09/2010 14:37	JT
Surr: Toluene-d8	86.4		0	78-116	%REC	129176	1	05/09/2010 14:37	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48 DW-1 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-2
Project Name:	G1037-70	**Collection Date:**	4/26/2010 1:30:00 PM
Lab ID:	1005450-002	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**				
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 15:06	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 15:06	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 15:06	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 15:06	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 15:06	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 15:06	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 15:06	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 15:06	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 15:06	JT
Acetone	21	J	5.0	50	ug/L	129176	1	05/09/2010 15:06	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 15:06	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 15:06	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48DW-1 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-2
Project Name:	G1037-70	**Collection Date:**	4/26/2010 1:30:00 PM
Lab ID:	1005450-002	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 15:06	JT
cis-1,2-Dichloroethene	BRL		0.35	5.0	ug/L	129176	1	05/09/2010 15:06	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 15:06	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/09/2010 15:06	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/09/2010 15:06	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 15:06	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/09/2010 15:06	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 15:06	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 15:06	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 15:06	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 15:06	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/09/2010 15:06	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Tetrachloroethene	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 15:06	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 15:06	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/09/2010 15:06	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/09/2010 15:06	JT
Trichloroethene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 15:06	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/09/2010 15:06	JT
Surr: 4-Bromofluorobenzene	78.3		0	60.1-127	%REC	129176	1	05/09/2010 15:06	JT
Surr: Dibromofluoromethane	106		0	79.6-126	%REC	129176	1	05/09/2010 15:06	JT
Surr: Toluene-d8	86.3		0	78-116	%REC	129176	1	05/09/2010 15:06	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48mw-3 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-3
Project Name:	G1037-70	**Collection Date:**	4/26/2010 2:35:00 PM
Lab ID:	1005450-003	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,1,1-Trichloroethane	2.0	J	0.094	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,1-Dichloroethane	6.5		0.29	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,1-Dichloroethene	7.1		0.30	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 15:34	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 15:34	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 15:34	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 15:34	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 15:34	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 15:34	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 15:34	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 15:34	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 15:34	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/09/2010 15:34	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 15:34	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 15:34	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48 MW-3 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-3
Project Name:	G1037-70	**Collection Date:**	4/26/2010 2:35:00 PM
Lab ID:	1005450-003	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 15:34	JT
cis-1,2-Dichloroethene	BRL		0.35	5.0	ug/L	129176	1	05/09/2010 15:34	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 15:34	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/09/2010 15:34	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/09/2010 15:34	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 15:34	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/09/2010 15:34	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 15:34	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 15:34	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 15:34	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 15:34	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/09/2010 15:34	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Tetrachloroethene	5.0		0.51	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 15:34	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 15:34	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/09/2010 15:34	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/09/2010 15:34	JT
Trichloroethene	3.5	J	0.23	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 15:34	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/09/2010 15:34	JT
Surr: 4-Bromofluorobenzene	75.8		0	60.1-127	%REC	129176	1	05/09/2010 15:34	JT
Surr: Dibromofluoromethane	103		0	79.6-126	%REC	129176	1	05/09/2010 15:34	JT
Surr: Toluene-d8	87.4		0	78-116	%REC	129176	1	05/09/2010 15:34	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48mW-4R **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-4
Project Name:	G1037-70	**Collection Date:**	4/26/2010 3:50:00 PM
Lab ID:	1005450-004	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 16:03	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 16:03	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 16:03	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 16:03	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 16:03	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 16:03	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 16:03	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 16:03	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 16:03	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/09/2010 16:03	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 16:03	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 16:03	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48-MW-4R **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-4
Project Name:	G1037-70	**Collection Date:**	4/26/2010 3:50:00 PM
Lab ID:	1005450-004	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 16:03	JT
cis-1,2-Dichloroethene	BRL		0.35	5.0	ug/L	129176	1	05/09/2010 16:03	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 16:03	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/09/2010 16:03	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/09/2010 16:03	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 16:03	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/09/2010 16:03	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 16:03	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 16:03	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 16:03	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 16:03	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/09/2010 16:03	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Tetrachloroethene	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 16:03	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 16:03	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/09/2010 16:03	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/09/2010 16:03	JT
Trichloroethene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 16:03	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/09/2010 16:03	JT
Surr: 4-Bromofluorobenzene	75.8		0	60.1-127	%REC	129176	1	05/09/2010 16:03	JT
Surr: Dibromofluoromethane	106		0	79.6-126	%REC	129176	1	05/09/2010 16:03	JT
Surr: Toluene-d8	87.3		0	78-116	%REC	129176	1	05/09/2010 16:03	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48 PW-a **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-5
Project Name:	G1037-70	**Collection Date:**	4/26/2010 2:45:00 PM
Lab ID:	1005450-005	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 16:32	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 16:32	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 16:32	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 16:32	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 16:32	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 16:32	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 16:32	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 16:32	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 16:32	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/09/2010 16:32	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 16:32	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 16:32	JT

Qualifiers:

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

Analytical Environmental Services, Inc 4Y PW-2 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-5
Project Name:	G1037-70	**Collection Date:**	4/26/2010 2:45:00 PM
Lab ID:	1005450-005	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 16:32	JT
cis-1,2-Dichloroethene	BRL		0.35	5.0	ug/L	129176	1	05/09/2010 16:32	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 16:32	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/09/2010 16:32	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/09/2010 16:32	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 16:32	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/09/2010 16:32	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 16:32	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 16:32	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 16:32	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 16:32	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/09/2010 16:32	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Tetrachloroethene	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 16:32	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 16:32	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/09/2010 16:32	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/09/2010 16:32	JT
Trichloroethene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 16:32	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/09/2010 16:32	JT
Surr: 4-Bromofluorobenzene	76.5		0	60.1-127	%REC	129176	1	05/09/2010 16:32	JT
Surr: Dibromofluoromethane	106		0	79.6-126	%REC	129176	1	05/09/2010 16:32	JT
Surr: Toluene-d8	88.4		0	78-116	%REC	129176	1	05/09/2010 16:32	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48SW-01 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-6
Project Name:	G1037-70	**Collection Date:**	4/26/2010 4:35:00 PM
Lab ID:	1005450-006	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 17:01	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 17:01	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 17:01	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 17:01	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 17:01	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 17:01	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 17:01	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 17:01	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 17:01	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/09/2010 17:01	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 17:01	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 17:01	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48-SW01 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-6
Project Name:	G1037-70	**Collection Date:**	4/26/2010 4:35:00 PM
Lab ID:	1005450-006	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 17:01	JT
cis-1,2-Dichloroethene	BRL		0.35	5.0	ug/L	129176	1	05/09/2010 17:01	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 17:01	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/09/2010 17:01	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/09/2010 17:01	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 17:01	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/09/2010 17:01	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 17:01	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 17:01	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 17:01	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 17:01	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/09/2010 17:01	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Tetrachloroethene	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 17:01	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 17:01	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/09/2010 17:01	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/09/2010 17:01	JT
Trichloroethene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 17:01	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/09/2010 17:01	JT
Surr: 4-Bromofluorobenzene	75.8		0	60.1-127	%REC	129176	1	05/09/2010 17:01	JT
Surr: Dibromofluoromethane	106		0	79.6-126	%REC	129176	1	05/09/2010 17:01	JT
Surr: Toluene-d8	90.3		0	78-116	%REC	129176	1	05/09/2010 17:01	JT

Qualifiers:

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

Analytical Environmental Services, Inc EB01-042610 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-7
Project Name:	G1037-70	**Collection Date:**	4/26/2010 5:10:00 PM
Lab ID:	1005450-007	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 17:29	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 17:29	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 17:29	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 17:29	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 17:29	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 17:29	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 17:29	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 17:29	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 17:29	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/09/2010 17:29	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 17:29	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 17:29	JT

Qualifiers:

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

Analytical Environmental Services, Inc EB01-042610 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-7
Project Name:	G1037-70	**Collection Date:**	4/26/2010 5:10:00 PM
Lab ID:	1005450-007	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 17:29	JT
cis-1,2-Dichloroethene	BRL		0.35	5.0	ug/L	129176	1	05/09/2010 17:29	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 17:29	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/09/2010 17:29	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/09/2010 17:29	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 17:29	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/09/2010 17:29	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 17:29	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 17:29	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 17:29	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 17:29	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/09/2010 17:29	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Tetrachloroethene	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 17:29	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 17:29	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/09/2010 17:29	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/09/2010 17:29	JT
Trichloroethene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 17:29	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/09/2010 17:29	JT
Surr: 4-Bromofluorobenzene	76.1		0	60.1-127	%REC	129176	1	05/09/2010 17:29	JT
Surr: Dibromofluoromethane	105		0	79.6-126	%REC	129176	1	05/09/2010 17:29	JT
Surr: Toluene-d8	88.2		0	78-116	%REC	129176	1	05/09/2010 17:29	JT

Qualifiers:

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

Analytical Environmental Services, Inc DUP-1 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-8
Project Name:	G1037-70	**Collection Date:**	4/27/2010
Lab ID:	1005450-008	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 17:58	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 17:58	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 17:58	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 17:58	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 17:58	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 17:58	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 17:58	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 17:58	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 17:58	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/09/2010 17:58	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 17:58	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 17:58	JT

Qualifiers:

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

Analytical Environmental Services, Inc DUP-1 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-8
Project Name:	G1037-70	**Collection Date:**	4/27/2010
Lab ID:	1005450-008	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 17:58	JT
cis-1,2-Dichloroethene	BRL		0.35	5.0	ug/L	129176	1	05/09/2010 17:58	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 17:58	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/09/2010 17:58	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/09/2010 17:58	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 17:58	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/09/2010 17:58	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 17:58	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 17:58	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 17:58	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 17:58	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/09/2010 17:58	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Tetrachloroethene	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 17:58	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 17:58	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/09/2010 17:58	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/09/2010 17:58	JT
Trichloroethene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 17:58	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/09/2010 17:58	JT
Surr: 4-Bromofluorobenzene	75.2		0	60.1-127	%REC	129176	1	05/09/2010 17:58	JT
Surr: Dibromofluoromethane	106		0	79.6-126	%REC	129176	1	05/09/2010 17:58	JT
Surr: Toluene-d8	88.7		0	78-116	%REC	129176	1	05/09/2010 17:58	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48DW-1B **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-9
Project Name:	G1037-70	**Collection Date:**	4/27/2010 11:20:00 AM
Lab ID:	1005450-009	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 19:52	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 19:52	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 19:52	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 19:52	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 19:52	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 19:52	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 19:52	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 19:52	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 19:52	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/09/2010 19:52	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 19:52	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 19:52	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48 DW-1B **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-9
Project Name:	G1037-70	**Collection Date:**	4/27/2010 11:20:00 AM
Lab ID:	1005450-009	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 19:52	JT
cis-1,2-Dichloroethene	BRL		0.35	5.0	ug/L	129176	1	05/09/2010 19:52	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 19:52	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/09/2010 19:52	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/09/2010 19:52	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 19:52	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/09/2010 19:52	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 19:52	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 19:52	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 19:52	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 19:52	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/09/2010 19:52	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Tetrachloroethene	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 19:52	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 19:52	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/09/2010 19:52	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/09/2010 19:52	JT
Trichloroethene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 19:52	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/09/2010 19:52	JT
Surr: 4-Bromofluorobenzene	75.2		0	60.1-127	%REC	129176	1	05/09/2010 19:52	JT
Surr: Dibromofluoromethane	102		0	79.6-126	%REC	129176	1	05/09/2010 19:52	JT
Surr: Toluene-d8	86.1		0	78-116	%REC	129176	1	05/09/2010 19:52	JT

Qualifiers:

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

Analytical Environmental Services, Inc EB-02 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-10
Project Name:	G1037-70	**Collection Date:**	4/27/2010 12:30:00 PM
Lab ID:	1005450-010	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**				
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 20:19	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 20:19	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 20:19	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 20:19	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 20:19	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 20:19	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 20:19	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 20:19	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 20:19	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/09/2010 20:19	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 20:19	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 20:19	JT

Qualifiers:

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

Analytical Environmental Services, Inc EB-02 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-10
Project Name:	G1037-70	**Collection Date:**	4/27/2010 12:30:00 PM
Lab ID:	1005450-010	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**				
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 20:19	JT
cis-1,2-Dichloroethene	BRL		0.35	5.0	ug/L	129176	1	05/09/2010 20:19	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 20:19	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/09/2010 20:19	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/09/2010 20:19	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 20:19	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/09/2010 20:19	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 20:19	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 20:19	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 20:19	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 20:19	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/09/2010 20:19	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Tetrachloroethene	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 20:19	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 20:19	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/09/2010 20:19	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/09/2010 20:19	JT
Trichloroethene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 20:19	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/09/2010 20:19	JT
Surr: 4-Bromofluorobenzene	74.7		0	60.1-127	%REC	129176	1	05/09/2010 20:19	JT
Surr: Dibromofluoromethane	108		0	79.6-126	%REC	129176	1	05/09/2010 20:19	JT
Surr: Toluene-d8	90.2		0	78-116	%REC	129176	1	05/09/2010 20:19	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48 MW-14 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-11
Project Name:	G1037-70	**Collection Date:**	4/27/2010 4:05:00 PM
Lab ID:	1005450-011	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**				
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 20:48	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 20:48	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 20:48	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 20:48	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 20:48	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 20:48	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 20:48	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 20:48	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 20:48	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/09/2010 20:48	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 20:48	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 20:48	JT

Qualifiers:

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

Analytical Environmental Services, Inc 4YMW-14 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-11
Project Name:	G1037-70	**Collection Date:**	4/27/2010 4:05:00 PM
Lab ID:	1005450-011	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 20:48	JT
cis-1,2-Dichloroethene	BRL		0.35	5.0	ug/L	129176	1	05/09/2010 20:48	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 20:48	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/09/2010 20:48	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/09/2010 20:48	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 20:48	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/09/2010 20:48	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 20:48	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 20:48	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 20:48	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 20:48	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/09/2010 20:48	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Tetrachloroethene	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 20:48	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 20:48	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/09/2010 20:48	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/09/2010 20:48	JT
Trichloroethene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 20:48	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/09/2010 20:48	JT
Surr: 4-Bromofluorobenzene	74.7		0	60.1-127	%REC	129176	1	05/09/2010 20:48	JT
Surr: Dibromofluoromethane	110		0	79.6-126	%REC	129176	1	05/09/2010 20:48	JT
Surr: Toluene-d8	90.7		0	78-116	%REC	129176	1	05/09/2010 20:48	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48 MW-13 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-12
Project Name:	G1037-70	**Collection Date:**	4/27/2010 3:50:00 PM
Lab ID:	1005450-012	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 21:17	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 21:17	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 21:17	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 21:17	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 21:17	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 21:17	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 21:17	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 21:17	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 21:17	JT
Acetone	9.8	J	5.0	50	ug/L	129176	1	05/09/2010 21:17	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 21:17	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 21:17	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48 MW-13 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-12
Project Name:	G1037-70	**Collection Date:**	4/27/2010 3:50:00 PM
Lab ID:	1005450-012	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 21:17	JT
cis-1,2-Dichloroethene	BRL		0.35	5.0	ug/L	129176	1	05/09/2010 21:17	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 21:17	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/09/2010 21:17	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/09/2010 21:17	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 21:17	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/09/2010 21:17	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 21:17	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 21:17	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 21:17	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 21:17	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/09/2010 21:17	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Tetrachloroethene	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 21:17	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 21:17	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/09/2010 21:17	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/09/2010 21:17	JT
Trichloroethene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 21:17	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/09/2010 21:17	JT
Surr: 4-Bromofluorobenzene	76.9		0	60.1-127	%REC	129176	1	05/09/2010 21:17	JT
Surr: Dibromofluoromethane	110		0	79.6-126	%REC	129176	1	05/09/2010 21:17	JT
Surr: Toluene-d8	87.5		0	78-116	%REC	129176	1	05/09/2010 21:17	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48 DW 4 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-13
Project Name:	G1037-70	**Collection Date:**	4/27/2010 2:58:00 PM
Lab ID:	1005450-013	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 21:45	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 21:45	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 21:45	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 21:45	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 21:45	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 21:45	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 21:45	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 21:45	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 21:45	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/09/2010 21:45	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 21:45	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 21:45	JT

Qualifiers:

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

Analytical Environmental Services, Inc 4R DW-4 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-13
Project Name:	G1037-70	**Collection Date:**	4/27/2010 2:58:00 PM
Lab ID:	1005450-013	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					**(SW5030B)**				
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 21:45	JT
cis-1,2-Dichloroethene	BRL		0.35	5.0	ug/L	129176	1	05/09/2010 21:45	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 21:45	JT
Ethylbenzene	0.46	J	0.19	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/09/2010 21:45	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/09/2010 21:45	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 21:45	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/09/2010 21:45	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 21:45	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 21:45	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 21:45	JT
o-Xylene	3.0	J	0.11	5.0	ug/L	129176	1	05/09/2010 21:45	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/09/2010 21:45	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Tetrachloroethene	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 21:45	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 21:45	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/09/2010 21:45	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/09/2010 21:45	JT
Trichloroethene	2.2	J	0.23	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 21:45	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/09/2010 21:45	JT
Surr: 4-Bromofluorobenzene	82.4		0	60.1-127	%REC	129176	1	05/09/2010 21:45	JT
Surr: Dibromofluoromethane	108		0	79.6-126	%REC	129176	1	05/09/2010 21:45	JT
Surr: Toluene-d8	88.3		0	78-116	%REC	129176	1	05/09/2010 21:45	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48MW-15 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-14
Project Name:	G1037-70	**Collection Date:**	4/27/2010 3:15:00 PM
Lab ID:	1005450-014	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,1-Dichloroethane	3.0	J	0.29	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,1-Dichloroethene	9.6		0.30	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 22:14	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 22:14	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 22:14	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 22:14	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 22:14	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 22:14	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 22:14	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 22:14	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 22:14	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/09/2010 22:14	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 22:14	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 22:14	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48mw-15 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-14
Project Name:	G1037-70	**Collection Date:**	4/27/2010 3:15:00 PM
Lab ID:	1005450-014	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 22:14	JT
cis-1,2-Dichloroethene	3.4	J	0.35	5.0	ug/L	129176	1	05/09/2010 22:14	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 22:14	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/09/2010 22:14	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/09/2010 22:14	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 22:14	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/09/2010 22:14	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 22:14	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 22:14	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 22:14	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 22:14	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/09/2010 22:14	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Tetrachloroethene	3.5	J	0.51	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 22:14	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 22:14	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/09/2010 22:14	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/09/2010 22:14	JT
Trichloroethene	15		0.23	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 22:14	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/09/2010 22:14	JT
Surr: 4-Bromofluorobenzene	75.5		0	60.1-127	%REC	129176	1	05/09/2010 22:14	JT
Surr: Dibromofluoromethane	112		0	79.6-126	%REC	129176	1	05/09/2010 22:14	JT
Surr: Toluene-d8	88.9		0	78-116	%REC	129176	1	05/09/2010 22:14	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48 DW-3 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-15
Project Name:	G1037-70	**Collection Date:**	4/27/2010 12:35:00 PM
Lab ID:	1005450-015	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 22:43	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 22:43	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 22:43	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 22:43	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 22:43	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 22:43	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 22:43	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 22:43	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 22:43	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/09/2010 22:43	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 22:43	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 22:43	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48DW-3 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-15
Project Name:	G1037-70	**Collection Date:**	4/27/2010 12:35:00 PM
Lab ID:	1005450-015	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 22:43	JT
cis-1,2-Dichloroethene	BRL		0.35	5.0	ug/L	129176	1	05/09/2010 22:43	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 22:43	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/09/2010 22:43	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/09/2010 22:43	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 22:43	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/09/2010 22:43	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 22:43	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 22:43	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 22:43	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 22:43	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/09/2010 22:43	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Tetrachloroethene	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 22:43	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 22:43	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/09/2010 22:43	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/09/2010 22:43	JT
Trichloroethene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 22:43	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/09/2010 22:43	JT
Surr: 4-Bromofluorobenzene	73.5		0	60.1-127	%REC	129176	1	05/09/2010 22:43	JT
Surr: Dibromofluoromethane	109		0	79.6-126	%REC	129176	1	05/09/2010 22:43	JT
Surr: Toluene-d8	89.8		0	78-116	%REC	129176	1	05/09/2010 22:43	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48mw-10 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-16
Project Name:	G1037-70	**Collection Date:**	4/27/2010 10:55:00 AM
Lab ID:	1005450-016	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 23:12	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 23:12	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 23:12	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 23:12	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 23:12	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 23:12	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 23:12	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 23:12	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 23:12	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/09/2010 23:12	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 23:12	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 23:12	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 23:12	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 23:12	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 23:12	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 23:12	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 23:12	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 23:12	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 23:12	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 23:12	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 23:12	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48 MW-5 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-17
Project Name:	G1037-70	**Collection Date:**	4/27/2010 11:55:00 AM
Lab ID:	1005450-017	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,3,5-Trimethylbenzene	2.6	J	0.18	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 23:41	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/09/2010 23:41	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/09/2010 23:41	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/09/2010 23:41	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 23:41	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/09/2010 23:41	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/09/2010 23:41	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 23:41	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/09/2010 23:41	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/09/2010 23:41	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/09/2010 23:41	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/09/2010 23:41	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48mw-5 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-17
Project Name:	G1037-70	**Collection Date:**	4/27/2010 11:55:00 AM
Lab ID:	1005450-017	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 23:41	JT
cis-1,2-Dichloroethene	BRL		0.35	5.0	ug/L	129176	1	05/09/2010 23:41	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/09/2010 23:41	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/09/2010 23:41	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/09/2010 23:41	JT
Isopropylbenzene	1.9	J	0.19	5.0	ug/L	129176	1	05/09/2010 23:41	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/09/2010 23:41	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/09/2010 23:41	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/09/2010 23:41	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/09/2010 23:41	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/09/2010 23:41	JT
sec-Butylbenzene	2.7	J	0.28	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/09/2010 23:41	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Tetrachloroethene	BRL		0.51	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/09/2010 23:41	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/09/2010 23:41	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/09/2010 23:41	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/09/2010 23:41	JT
Trichloroethene	BRL		0.23	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/09/2010 23:41	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/09/2010 23:41	JT
Surr: 4-Bromofluorobenzene	79.5		0	60.1-127	%REC	129176	1	05/09/2010 23:41	JT
Surr: Dibromofluoromethane	110		0	79.6-126	%REC	129176	1	05/09/2010 23:41	JT
Surr: Toluene-d8	89.1		0	78-116	%REC	129176	1	05/09/2010 23:41	JT

Qualifiers:

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

Analytical Environmental Services, Inc 4R MW-1 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-18
Project Name:	G1037-70	**Collection Date:**	4/27/2010 10:50:00 AM
Lab ID:	1005450-018	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B					(SW5030B)				
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,1,1-Trichloroethane	10		0.094	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,1-Dichloroethane	4.7	J	0.29	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,1-Dichloroethene	48		0.30	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/10/2010 00:09	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/10/2010 00:09	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/10/2010 00:09	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/10/2010 00:09	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/10/2010 00:09	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/10/2010 00:09	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/10/2010 00:09	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/10/2010 00:09	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/10/2010 00:09	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/10/2010 00:09	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/10/2010 00:09	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/10/2010 00:09	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48mw-1 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-18
Project Name:	G1037-70	**Collection Date:**	4/27/2010 10:50:00 AM
Lab ID:	1005450-018	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/10/2010 00:09	JT
cis-1,2-Dichloroethene	3.4	J	0.35	5.0	ug/L	129176	1	05/10/2010 00:09	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/10/2010 00:09	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/10/2010 00:09	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/10/2010 00:09	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/10/2010 00:09	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/10/2010 00:09	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/10/2010 00:09	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/10/2010 00:09	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/10/2010 00:09	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/10/2010 00:09	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/10/2010 00:09	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Tetrachloroethene	9.5		0.51	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/10/2010 00:09	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/10/2010 00:09	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/10/2010 00:09	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/10/2010 00:09	JT
Trichloroethene	150		0.23	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/10/2010 00:09	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/10/2010 00:09	JT
Surr: 4-Bromofluorobenzene	76.3		0	60.1-127	%REC	129176	1	05/10/2010 00:09	JT
Surr: Dibromofluoromethane	113		0	79.6-126	%REC	129176	1	05/10/2010 00:09	JT
Surr: Toluene-d8	92.3		0	78-116	%REC	129176	1	05/10/2010 00:09	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48DW-2 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-19
Project Name:	G1037-70	**Collection Date:**	4/27/2010 9:55:00 AM
Lab ID:	1005450-019	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,1,1-Trichloroethane	4.9	J	0.094	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,1-Dichloroethane	5.7		0.29	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,1-Dichloroethene	22		0.30	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/10/2010 00:37	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/10/2010 00:37	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/10/2010 00:37	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/10/2010 00:37	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/10/2010 00:37	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/10/2010 00:37	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/10/2010 00:37	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/10/2010 00:37	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/10/2010 00:37	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/10/2010 00:37	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/10/2010 00:37	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/10/2010 00:37	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48DW-2 **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-19
Project Name:	G1037-70	**Collection Date:**	4/27/2010 9:55:00 AM
Lab ID:	1005450-019	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/10/2010 00:37	JT
cis-1,2-Dichloroethene	7.4		0.35	5.0	ug/L	129176	1	05/10/2010 00:37	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/10/2010 00:37	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/10/2010 00:37	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/10/2010 00:37	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/10/2010 00:37	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/10/2010 00:37	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/10/2010 00:37	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/10/2010 00:37	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/10/2010 00:37	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/10/2010 00:37	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/10/2010 00:37	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Tetrachloroethene	BRL		0.51	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/10/2010 00:37	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/10/2010 00:37	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/10/2010 00:37	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/10/2010 00:37	JT
Trichloroethene	42		0.23	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/10/2010 00:37	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/10/2010 00:37	JT
Surr: 4-Bromofluorobenzene	77.7		0	60.1-127	%REC	129176	1	05/10/2010 00:37	JT
Surr: Dibromofluoromethane	111		0	79.6-126	%REC	129176	1	05/10/2010 00:37	JT
Surr: Toluene-d8	92.9		0	78-116	%REC	129176	1	05/10/2010 00:37	JT

Qualifiers:

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

Analytical Environmental Services, Inc 45 MW-11R **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-20
Project Name:	G1037-70	**Collection Date:**	4/27/2010 10:00:00 AM
Lab ID:	1005450-020	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129176	1	05/10/2010 01:06	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129176	1	05/10/2010 01:06	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129176	1	05/10/2010 01:06	JT
2-Butanone	BRL		1.7	50	ug/L	129176	1	05/10/2010 01:06	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/10/2010 01:06	JT
2-Hexanone	BRL		0.61	10	ug/L	129176	1	05/10/2010 01:06	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129176	1	05/10/2010 01:06	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129176	1	05/10/2010 01:06	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129176	1	05/10/2010 01:06	JT
Acetone	BRL		5.0	50	ug/L	129176	1	05/10/2010 01:06	JT
Benzene	BRL		0.21	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Bromoform	BRL		0.70	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Bromomethane	BRL		0.49	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Chloroethane	BRL		0.39	10	ug/L	129176	1	05/10/2010 01:06	JT
Chloroform	BRL		0.30	5.0	ug/L	129176	1	05/10/2010 01:06	JT

Qualifiers:

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

Analytical Environmental Services, Inc 48 MW-11R **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-20
Project Name:	G1037-70	**Collection Date:**	4/27/2010 10:00:00 AM
Lab ID:	1005450-020	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
Chloromethane	BRL		0.41	10	ug/L	129176	1	05/10/2010 01:06	JT
cis-1,2-Dichloroethene	BRL		0.35	5.0	ug/L	129176	1	05/10/2010 01:06	JT
cis-1,3-Dichloropropene	BRL		0.74	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Dibromochloromethane	BRL		0.28	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Dibromomethane	BRL		0.37	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Dichlorodifluoromethane	BRL		0.41	10	ug/L	129176	1	05/10/2010 01:06	JT
Ethylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Hexachlorobutadiene	BRL		0.93	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Iodomethane	BRL		0.33	10	ug/L	129176	1	05/10/2010 01:06	JT
Isopropyl ether	BRL		0.78	10	ug/L	129176	1	05/10/2010 01:06	JT
Isopropylbenzene	BRL		0.19	5.0	ug/L	129176	1	05/10/2010 01:06	JT
m,p-Xylene	BRL		0.25	10	ug/L	129176	1	05/10/2010 01:06	JT
Methyl tert-butyl ether	BRL		0.37	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Methylene chloride	BRL		0.36	5.0	ug/L	129176	1	05/10/2010 01:06	JT
n-Butylbenzene	BRL		0.22	5.0	ug/L	129176	1	05/10/2010 01:06	JT
n-Propylbenzene	BRL		0.23	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Naphthalene	BRL		0.28	5.0	ug/L	129176	1	05/10/2010 01:06	JT
o-Xylene	BRL		0.11	5.0	ug/L	129176	1	05/10/2010 01:06	JT
sec-Butylbenzene	BRL		0.28	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Styrene	BRL		0.10	5.0	ug/L	129176	1	05/10/2010 01:06	JT
tert-Butylbenzene	BRL		0.24	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Tetrachloroethene	BRL		0.51	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Toluene	BRL		0.26	5.0	ug/L	129176	1	05/10/2010 01:06	JT
trans-1,2-Dichloroethene	BRL		0.43	5.0	ug/L	129176	1	05/10/2010 01:06	JT
trans-1,3-Dichloropropene	BRL		0.58	5.0	ug/L	129176	1	05/10/2010 01:06	JT
trans-1,4-Dichloro-2-butene	BRL		3.1	10	ug/L	129176	1	05/10/2010 01:06	JT
Trichloroethene	2.0	J	0.23	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Trichlorofluoromethane	BRL		0.31	5.0	ug/L	129176	1	05/10/2010 01:06	JT
Vinyl chloride	BRL		0.38	2.0	ug/L	129176	1	05/10/2010 01:06	JT
Surr: 4-Bromofluorobenzene	73.8		0	60.1-127	%REC	129176	1	05/10/2010 01:06	JT
Surr: Dibromofluoromethane	110		0	79.6-126	%REC	129176	1	05/10/2010 01:06	JT
Surr: Toluene-d8	89.3		0	78-116	%REC	129176	1	05/10/2010 01:06	JT

Qualifiers:

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

Analytical Environmental Services, Inc TRIP Blank **Date:** 11-May-10

Client:	SGS North America, Inc.	**Client Sample ID:**	G1037-70-21
Project Name:	G1037-70	**Collection Date:**	4/27/2010
Lab ID:	1005450-021	**Matrix:**	Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260B				(SW5030B)					
1,1,1,2-Tetrachloroethane	BRL		0.37	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,1,1-Trichloroethane	BRL		0.094	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,1,2,2-Tetrachloroethane	BRL		0.51	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,1,2-Trichloroethane	BRL		0.33	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,1-Dichloroethane	BRL		0.29	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,1-Dichloroethene	BRL		0.30	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,1-Dichloropropene	BRL		0.49	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,2,3-Trichlorobenzene	BRL		0.43	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,2,3-Trichloropropane	BRL		0.32	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,2,4-Trichlorobenzene	BRL		0.46	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,2,4-Trimethylbenzene	BRL		0.34	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,2-Dibromo-3-chloropropane	BRL		0.31	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,2-Dibromoethane	BRL		0.29	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,2-Dichlorobenzene	BRL		0.36	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,2-Dichloroethane	BRL		0.16	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,2-Dichloropropane	BRL		0.48	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,3,5-Trimethylbenzene	BRL		0.18	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,3-Dichlorobenzene	BRL		0.24	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,3-Dichloropropane	BRL		0.32	5.0	ug/L	129148	1	05/10/2010 17:35	JT
1,4-Dichlorobenzene	BRL		0.32	5.0	ug/L	129148	1	05/10/2010 17:35	JT
2,2-Dichloropropane	BRL		0.38	5.0	ug/L	129148	1	05/10/2010 17:35	JT
2-Butanone	BRL		1.7	50	ug/L	129148	1	05/10/2010 17:35	JT
2-Chlorotoluene	BRL		0.27	5.0	ug/L	129148	1	05/10/2010 17:35	JT
2-Hexanone	BRL		0.61	10	ug/L	129148	1	05/10/2010 17:35	JT
4-Chlorotoluene	BRL		0.27	5.0	ug/L	129148	1	05/10/2010 17:35	JT
4-Isopropyltoluene	BRL		0.26	5.0	ug/L	129148	1	05/10/2010 17:35	JT
4-Methyl-2-pentanone	BRL		0.39	10	ug/L	129148	1	05/10/2010 17:35	JT
Acetone	21	J	5.0	50	ug/L	129148	1	05/10/2010 17:35	JT
Benzene	BRL		0.21	5.0	ug/L	129148	1	05/10/2010 17:35	JT
Bromobenzene	BRL		0.28	5.0	ug/L	129148	1	05/10/2010 17:35	JT
Bromochloromethane	BRL		0.66	5.0	ug/L	129148	1	05/10/2010 17:35	JT
Bromodichloromethane	BRL		0.22	5.0	ug/L	129148	1	05/10/2010 17:35	JT
Bromoform	BRL		0.70	5.0	ug/L	129148	1	05/10/2010 17:35	JT
Bromomethane	BRL		0.49	5.0	ug/L	129148	1	05/10/2010 17:35	JT
Carbon disulfide	BRL		0.41	5.0	ug/L	129148	1	05/10/2010 17:35	JT
Carbon tetrachloride	BRL		0.25	5.0	ug/L	129148	1	05/10/2010 17:35	JT
Chlorobenzene	BRL		0.11	5.0	ug/L	129148	1	05/10/2010 17:35	JT
Chloroethane	BRL		0.39	10	ug/L	129148	1	05/10/2010 17:35	JT
Chloroform	BRL		0.30	5.0	ug/L	129148	1	05/10/2010 17:35	JT

Qualifiers:

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

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client SGS Work Order Number 1005450

Checklist completed by Signature 5/6/10 Date 5/7/10

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

Shipping container/cooler in good condition?	Yes ✓	No __	Not Present __
Custody seals intact on shipping container/cooler?	Yes __	No __	Not Present ✓
Custody seals intact on sample bottles?	Yes __	No __	Not Present ✓
Container/Temp Blank temperature in compliance? (4°C±2)*	Yes ✓	No __	

Cooler #1 3.7C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present?	Yes ✓	No __
Chain of custody signed when relinquished and received?	Yes ✓	No __
Chain of custody agrees with sample labels?	Yes ✓	No __
Samples in proper container/bottle?	Yes ✓	No __
Sample containers intact?	Yes __	No ✓
Sufficient sample volume for indicated test?	Yes ✓	No __
All samples received within holding time?	Yes ✓	No __
Was TAT marked on the COC?	Yes __	No ✓
Proceed with Standard TAT as per project history?	Yes ✓	No __ Not Applicable __
Water - VOA vials have zero headspace?	No VOA vials submitted __	Yes ✓ No __
Water - pH acceptable upon receipt?	Yes ✓	No __ Not Applicable __

Adjusted? _____ Checked by _____

Sample Condition: Good __ Other(Explain) two broken vials

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

See Case Narrative for resolution of the Non-Conformance.

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

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

Analytical Environmental Services, Inc

Date: 11-May-10

Client: SGS North America, Inc.
Project: G1037-70
Lab Order: 1005450

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1005450-001A	G1037-70-1	4/26/2010 1:50:00PM	Aqueous	TCL VOLATILE ORGANICS		05/07/2010	05/07/2010
1005450-001A	G1037-70-1	4/26/2010 1:50:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/07/2010	05/07/2010
1005450-001A	G1037-70-1	4/26/2010 1:50:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-002A	G1037-70-2	4/26/2010 1:30:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/07/2010	05/07/2010
1005450-002A	G1037-70-2	4/26/2010 1:30:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-003A	G1037-70-3	4/26/2010 2:35:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/07/2010	05/07/2010
1005450-003A	G1037-70-3	4/26/2010 2:35:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-004A	G1037-70-4	4/26/2010 3:50:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/07/2010	05/07/2010
1005450-004A	G1037-70-4	4/26/2010 3:50:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-005A	G1037-70-5	4/26/2010 2:45:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/07/2010	05/07/2010
1005450-005A	G1037-70-5	4/26/2010 2:45:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-006A	G1037-70-6	4/26/2010 4:35:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/07/2010	05/07/2010
1005450-006A	G1037-70-6	4/26/2010 4:35:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-007A	G1037-70-7	4/26/2010 5:10:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/07/2010	05/07/2010
1005450-007A	G1037-70-7	4/26/2010 5:10:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-008A	G1037-70-8	4/27/2010 12:00:00AM	Aqueous	Volatile Organic Compounds by GC/MS		05/07/2010	05/07/2010
1005450-008A	G1037-70-8	4/27/2010 12:00:00AM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-009A	G1037-70-9	4/27/2010 11:20:00AM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-010A	G1037-70-10	4/27/2010 12:30:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-011A	G1037-70-11	4/27/2010 4:05:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-012A	G1037-70-12	4/27/2010 3:50:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-013A	G1037-70-13	4/27/2010 2:58:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-014A	G1037-70-14	4/27/2010 3:15:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-015A	G1037-70-15	4/27/2010 12:35:00PM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-016A	G1037-70-16	4/27/2010 10:55:00AM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-017A	G1037-70-17	4/27/2010 11:55:00AM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/09/2010
1005450-018A	G1037-70-18	4/27/2010 10:50:00AM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/10/2010
1005450-019A	G1037-70-19	4/27/2010 9:55:00AM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/10/2010
1005450-020A	G1037-70-20	4/27/2010 10:00:00AM	Aqueous	Volatile Organic Compounds by GC/MS		05/09/2010	05/10/2010

Client: SGS North America, Inc.
Project: G1037-70
Lab Order: 1005450

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1005450-021A	G1037-70-21	4/27/2010 12:00:00AM	Aqueous	Volatile Organic Compounds by GC/MS		05/08/2010	05/10/2010

Client: SGS North America, Inc.
Project Name: G1037-70
Workorder: 1005450

ANALYTICAL QC SUMMARY REPORT

BatchID: 129148

Sample ID: **MB-129148** Client ID: Units: **ug/L** Prep Date: **05/08/2010** Run No: **171295**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **129148** Analysis Date: **05/08/2010** Seq No: **3557472**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Chlorotoluene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	
4-Chlorotoluene	BRL	5.0	0	0	0	0	0	0	0	0	
4-Isopropyltoluene	BRL	5.0	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

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

Client: SGS North America, Inc.
Project Name: G1037-70
Workorder: 1005450

ANALYTICAL QC SUMMARY REPORT

BatchID: 129148

Sample ID: **MB-129148** Client ID: Units: **ug/L** Prep Date: **05/08/2010** Run No: **171295**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **129148** Analysis Date: **05/08/2010** Seq No: **3557472**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acetone	BRL	50	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	
cis-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	10	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	4.020	5.0	0	0	0	0	0	0	0	0	J
Iodomethane	BRL	10	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	10	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
n-Butylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
n-Propylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	

Qualifiers:

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

Client: SGS North America, Inc.
Project Name: G1037-70
Workorder: 1005450

ANALYTICAL QC SUMMARY REPORT

BatchID: 129148

Sample ID: **MB-129148** Client ID: Units: **ug/L** Prep Date: **05/08/2010** Run No: **171295**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **129148** Analysis Date: **05/08/2010** Seq No: **3557472**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Naphthalene	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
sec-Butylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
tert-Butylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,4-Dichloro-2-butene	BRL	10	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	46.64	0	50	0	93.3	60.1	127	0	0	0	
Surr: Dibromofluoromethane	55.60	0	50	0	111	79.6	126	0	0	0	
Surr: Toluene-d8	45.61	0	50	0	91.2	78	116	0	0	0	

Sample ID: **MB-129148** Client ID: Units: **ug/L** Prep Date: **05/08/2010** Run No: **171416**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **129148** Analysis Date: **05/10/2010** Seq No: **3560411**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Isopropyl ether	BRL	10	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	44.49	0	50	0	89	60.1	127	0	0	0	
Surr: Dibromofluoromethane	60.31	0	50	0	121	79.6	126	0	0	0	
Surr: Toluene-d8	51.02	0	50	0	102	78	116	0	0	0	

Qualifiers:

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

Client: SGS North America, Inc.
Project Name: G1037-70
Workorder: 1005450

ANALYTICAL QC SUMMARY REPORT

BatchID: 129148

Sample ID: **LCS-129148** Client ID:
SampleType: LCS TestCode: **Volatile Organic Compounds by GC/MS SW8260B**
Units: **ug/L** Prep Date: **05/08/2010** Run No: **171295**
BatchID: **129148** Analysis Date: **05/08/2010** Seq No: **3557470**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	48.61	5.0	50	0	97.2	61.4	146	0	0	0	
Benzene	46.97	5.0	50	0	93.9	72.8	131	0	0	0	
Chlorobenzene	45.94	5.0	50	0	91.9	76	123	0	0	0	
Toluene	48.78	5.0	50	0	97.6	74.7	128	0	0	0	
Trichloroethene	56.98	5.0	50	0	114	74.4	130	0	0	0	
Surr: 4-Bromofluorobenzene	52.49	0	50	0	105	60.1	127	0	0	0	
Surr: Dibromofluoromethane	57.19	0	50	0	114	79.6	126	0	0	0	
Surr: Toluene-d8	53.11	0	50	0	106	78	116	0	0	0	

Sample ID: **1005016-007AMS** Client ID:
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B**
Units: **ug/L** Prep Date: **05/08/2010** Run No: **171295**
BatchID: **129148** Analysis Date: **05/08/2010** Seq No: **3557631**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	7676	500	5000	0	154	48.8	172	0	0	0	
Benzene	5035	500	5000	0	101	64.5	143	0	0	0	
Chlorobenzene	4573	500	5000	0	91.5	74.5	129	0	0	0	
Toluene	4967	500	5000	0	99.3	62	145	0	0	0	
Trichloroethene	5997	500	5000	829.0	103	70.3	140	0	0	0	
Surr: 4-Bromofluorobenzene	4577	0	5000	0	91.5	60.1	127	0	0	0	
Surr: Dibromofluoromethane	5443	0	5000	0	109	79.6	126	0	0	0	
Surr: Toluene-d8	4660	0	5000	0	93.2	78	116	0	0	0	

Sample ID: **1005016-007AMSD** Client ID:
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B**
Units: **ug/L** Prep Date: **05/08/2010** Run No: **171295**
BatchID: **129148** Analysis Date: **05/08/2010** Seq No: **3557632**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	7611	500	5000	0	152	48.8	172	7676	0.85	21.6	
Benzene	4828	500	5000	0	96.6	64.5	143	5035	4.2	18.3	

Qualifiers:

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

Client: SGS North America, Inc.
Project Name: G1037-70
Workorder: 1005450

ANALYTICAL QC SUMMARY REPORT

BatchID: 129148

Sample ID: **1005016-007AMSD** Client ID:
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B**
Units: **ug/L** Prep Date: **05/08/2010** Run No: **171295**
BatchID: **129148** Analysis Date: **05/08/2010** Seq No: **3557632**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	4779	500	5000	0	95.6	74.5	129	4573	4.41	19.2	
Toluene	4875	500	5000	0	97.5	62	145	4967	1.87	21.2	
Trichloroethene	5948	500	5000	829.0	102	70.3	140	5997	0.82	20.3	
Surr: 4-Bromofluorobenzene	4646	0	5000	0	92.9	60.1	127	4577	0	0	
Surr: Dibromofluoromethane	5523	0	5000	0	110	79.6	126	5443	0	0	
Surr: Toluene-d8	4609	0	5000	0	92.2	78	116	4660	0	0	

SGS North America, Inc.

Qualifiers:

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

Client: SGS North America, Inc.
Project Name: G1037-70
Workorder: 1005450

ANALYTICAL QC SUMMARY REPORT

BatchID: 129176

Sample ID: **MB-129176** Client ID: Units: **ug/L** Prep Date: **05/09/2010** Run No: **171307**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B** BatchID: **129176** Analysis Date: **05/09/2010** Seq No: **3557837**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachlorocthanc	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,1-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2,2-Tetrachloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1,2-Trichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
1,1-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,3-Trichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2,4-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromo-3-chloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dibromoethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloroethane	BRL	5.0	0	0	0	0	0	0	0	0	
1,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,3,5-Trimethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
1,3-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
1,4-Dichlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
2,2-Dichloropropane	BRL	5.0	0	0	0	0	0	0	0	0	
2-Butanone	BRL	50	0	0	0	0	0	0	0	0	
2-Chlorotoluene	BRL	5.0	0	0	0	0	0	0	0	0	
2-Hexanone	BRL	10	0	0	0	0	0	0	0	0	
4-Chlorotoluene	BRL	5.0	0	0	0	0	0	0	0	0	
4-Isopropyltoluene	BRL	5.0	0	0	0	0	0	0	0	0	
4-Methyl-2-pentanone	BRL	10	0	0	0	0	0	0	0	0	

Qualifiers:

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

Client: SGS North America, Inc.
Project Name: G1037-70
Workorder: 1005450

ANALYTICAL QC SUMMARY REPORT

BatchID: 129176

Sample ID: **MB-129176** Client ID:
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B**
Units: **ug/L** Prep Date: **05/09/2010** Run No: **171307**
BatchID: **129176** Analysis Date: **05/09/2010** Seq No: **3557837**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acetone	BRL	50	0	0	0	0	0	0	0	0	
Benzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Bromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromodichloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Bromoform	BRL	5.0	0	0	0	0	0	0	0	0	
Bromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon disulfide	BRL	5.0	0	0	0	0	0	0	0	0	
Carbon tetrachloride	BRL	5.0	0	0	0	0	0	0	0	0	
Chlorobenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Chloroethane	BRL	10	0	0	0	0	0	0	0	0	
Chloroform	BRL	5.0	0	0	0	0	0	0	0	0	
Chloromethane	BRL	10	0	0	0	0	0	0	0	0	
cis-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
cis-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromochloromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dibromomethane	BRL	5.0	0	0	0	0	0	0	0	0	
Dichlorodifluoromethane	BRL	10	0	0	0	0	0	0	0	0	
Ethylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Hexachlorobutadiene	BRL	5.0	0	0	0	0	0	0	0	0	
Iodomethane	BRL	10	0	0	0	0	0	0	0	0	
Isopropyl ether	BRL	10	0	0	0	0	0	0	0	0	
Isopropylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
m,p-Xylene	BRL	10	0	0	0	0	0	0	0	0	
Methyl tert-butyl ether	BRL	5.0	0	0	0	0	0	0	0	0	
Methylene chloride	BRL	5.0	0	0	0	0	0	0	0	0	
n-Butylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	

Qualifiers:

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

Client: SGS North America, Inc.
Project Name: G1037-70
Workorder: 1005450

ANALYTICAL QC SUMMARY REPORT

BatchID: 129176

Sample ID: **MB-129176** Client ID:
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260B**
Units: **ug/L** Prep Date: **05/09/2010** Run No: **171307**
BatchID: **129176** Analysis Date: **05/09/2010** Seq No: **3557837**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
n-Propylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Naphthalene	BRL	5.0	0	0	0	0	0	0	0	0	
o-Xylene	BRL	5.0	0	0	0	0	0	0	0	0	
sec-Butylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Styrene	BRL	5.0	0	0	0	0	0	0	0	0	
tert-Butylbenzene	BRL	5.0	0	0	0	0	0	0	0	0	
Tetrachloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Toluene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,2-Dichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,3-Dichloropropene	BRL	5.0	0	0	0	0	0	0	0	0	
trans-1,4-Dichloro-2-butene	BRL	10	0	0	0	0	0	0	0	0	
Trichloroethene	BRL	5.0	0	0	0	0	0	0	0	0	
Trichlorofluoromethane	BRL	5.0	0	0	0	0	0	0	0	0	
Vinyl chloride	BRL	2.0	0	0	0	0	0	0	0	0	
Surr: 4-Bromofluorobenzene	40.12	0	50	0	80.2	60.1	127	0	0	0	
Surr: Dibromofluoromethane	51.80	0	50	0	104	79.6	126	0	0	0	
Surr: Toluene-d8	42.58	0	50	0	85.2	78	116	0	0	0	

Sample ID: **LCS-129176** Client ID:
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B**
Units: **ug/L** Prep Date: **05/09/2010** Run No: **171307**
BatchID: **129176** Analysis Date: **05/09/2010** Seq No: **3557846**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	50.85	5.0	50	0	102	61.4	146	0	0	0	
Benzene	57.35	5.0	50	0	115	72.8	131	0	0	0	
Chlorobenzene	52.80	5.0	50	0	106	76	123	0	0	0	
Toluene	56.31	5.0	50	0	113	74.7	128	0	0	0	
Trichloroethene	57.09	5.0	50	0	114	74.4	130	0	0	0	
Surr: 4-Bromofluorobenzene	53.46	0	50	0	107	60.1	127	0	0	0	

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

Client: SGS North America, Inc.
Project Name: G1037-70
Workorder: 1005450

ANALYTICAL QC SUMMARY REPORT

BatchID: 129176

Sample ID: **LCS-129176** Client ID:
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B**
Units: **ug/L** Prep Date: **05/09/2010** Run No: **171307**
BatchID: **129176** Analysis Date: **05/09/2010** Seq No: **3557846**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	50.04	0	50	0	100	79.6	126	0	0	0	
Surr: Toluene-d8	53.41	0	50	0	107	78	116	0	0	0	

Sample ID: **1005450-009AMS** Client ID: **G1037-70-9**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260B**
Units: **ug/L** Prep Date: **05/09/2010** Run No: **171307**
BatchID: **129176** Analysis Date: **05/09/2010** Seq No: **3557847**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	54.92	5.0	50	0	110	48.8	172	0	0	0	
Benzene	57.53	5.0	50	0	115	64.5	143	0	0	0	
Chlorobenzene	53.57	5.0	50	0	107	74.5	129	0	0	0	
Toluene	58.44	5.0	50	0	117	62	145	0	0	0	
Trichloroethene	52.73	5.0	50	0	105	70.3	140	0	0	0	
Surr: 4-Bromofluorobenzene	52.35	0	50	0	105	60.1	127	0	0	0	
Surr: Dibromofluoromethane	50.88	0	50	0	102	79.6	126	0	0	0	
Surr: Toluene-d8	52.23	0	50	0	104	78	116	0	0	0	

Sample ID: **1005450-009AMSD** Client ID: **G1037-70-9**
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260B**
Units: **ug/L** Prep Date: **05/09/2010** Run No: **171307**
BatchID: **129176** Analysis Date: **05/09/2010** Seq No: **3557848**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	51.41	5.0	50	0	103	48.8	172	54.92	6.6	21.6	
Benzene	54.89	5.0	50	0	110	64.5	143	57.53	4.7	18.3	
Chlorobenzene	53.39	5.0	50	0	107	74.5	129	53.57	0.337	19.2	
Toluene	54.12	5.0	50	0	108	62	145	58.44	7.68	21.2	
Trichloroethene	51.43	5.0	50	0	103	70.3	140	52.73	2.5	20.3	
Surr: 4-Bromofluorobenzene	52.86	0	50	0	106	60.1	127	52.35	0	0	
Surr: Dibromofluoromethane	48.36	0	50	0	96.7	79.6	126	50.88	0	0	
Surr: Toluene-d8	48.82	0	50	0	97.6	78	116	52.23	0	0	

Qualifiers:

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

SGS Environmental Services Inc.
CHAIN OF CUSTODY RECORD

Locations Nationwide
- Alaska
- New Jersey
- North Carolina
- West Virginia
- Maryland
- New York
- Ohio

www.us.sgs.com

(1)
CLIENT: AECOM
CONTACT: MATT BRENNAN PHONE NO: 919-872-6600
PROJECT: NCDOT-PITTSBORO SITE/PWSID#: 34613.3.13
REPORTS TO: MATT BRENNAN EMAIL: MATTHEW.BRENNAN@AECOM.COM
INVOICE TO: Chris Peoples QUOTE #: NCDOT WBS:# 34613.3.13 P.O. #:

SGS Reference #: G1037-70

page 1 of 2

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C=COMP G=GRAB MI=Multi Incremental Samples	Preservatives Used: HCl; Analysis Required (3): VOCs 8260B	REMARKS/ LOC ID
1	48MW-2	4/26/10	1350	GW	3	G	3	
2	48DW-1	4/26/10	1330	GW	3	G	3	
3	48MW-3	4/26/10	1435	GW	3	G	3	
4	48MW-4R	4/26/10	1550	GW	3	G	3	
5	48PW-2	4/26/10	1445	GW	3	C	3	
6	48SW-01	4/26/10	1635	W	3	G	3	
7	EB01-042610	4/16/14	1710	W	3	G	3	
8	DUP-1	4/27/10	—	GW	3	G	3	
9	48DW-1B	4/27/10	1420	GW	3	G	3	
10	EB-02	4/27/10	1230	—	3	G	3	

SGS North America, Inc.

(5)

	Date	Time	
Collected/Relinquished By:(1)	4/28/10	910	Received By: Nathan Beaudry
Relinquished By: (2)	4/28/10	1406	Received By:
Relinquished By: (3)	4/29/10	10:00	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:

(4)
DOD Project? YES (NO)
Cooler ID _____
Special Deliverable Requirements:

Requested Turnaround Time and-or Special Instructions:
Invoice to: Chris Peoples, NCDOT Materials and Testing Unit, 1801 Blue Ridge Rd, Raleigh, NC 27607 NCDOT WBS:# 34613.3.13

Samples Received Cold? (YES) NO
Cooler TB
Temperature °C: 2.0 . _____

Chain of Custody Seal: (Circle)
INTACT BROKEN (ABSENT)

200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
550 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

SGS Environmental Services Inc.
CHAIN OF CUSTODY RECORD

Locations Nationwide
- Alaska
- New Jersey
- North Carolina
- West Virginia
- Maryland
- New York
- Ohio

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(1)
CLIENT: Aecom
CONTACT: Matt. Brennan PHONE NO: 919-872-6600
PROJECT: NCDOT - Pittsboro SITE/PWSID#: 34613.3.13
REPORTS TO: EMAIL:
Matt Brennan Matthew.Brennan@aecom.com
INVOICE TO: QUOTE #: NCDOT WBS#
Chris Peoples P.O. #: 34613.3.13

SGS Reference #: G1037-70 page 2 of 2

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used: HCl; Analysis Required (3): VOCs 8260B	REMARKS/ LOC ID
11	48MW-14	4/27/10	1605	GW	3	G	X	
12	48MW-13	4/27/10	1550			G	X	
13	48DW-4		1458				X	
14	48MW-15		1515				X	
15	48DW-3		1235				X	
16	48MW-10		1055				X	
17	48MW-5		1155				X	
18	48MW-1		1050				X	
19	48DW-2		0955				X	
20	48MW-11R	↓	1000	↓	↓	↓	X	

(5)

	Date	Time	Received By:
Collected/Relinquished By:(1)	4/28/10	920	Nathan Beaudry
Relinquished By: (2)	4/28/10	1400	Received By:
Relinquished By: (3)	4/29/10	1000	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:

(4)
DOD Project? YES NO
Cooler ID _____
Special Deliverable Requirements:
Requested Turnarpund Time and-or Special Instructions:
Invoice to Chris Peoples NCDOT
34613.3.13
Samples Received Cold? YES NO
Cooler TB
Temperature°C: 2.0 . _____
Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

SGS North America, Inc.

200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
550 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

Matt Brennan
AECOM
8540 Colonnade Center Drive
Raleigh, NC 27615

Report Number: G1037-82

Client Project: NCDOT Pittsboro #6-48

Dear Matt Brennan,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America, Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America, Inc.

Barbara Hager July 16.2010
Project Manager (Date)
Barbara Hager

List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:
1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.
2) Uncertainty for all reported data is less than or equal to 30 percent.

MI34.021808.4

Results for Volatiles
by GCMS 8260

Client Sample ID: 48MW17
Client Project ID: NCDOT Pittsboro #6-48
Lab Sample ID: G1037-82-1A
Lab Project ID: G1037-82

Analyzed By: DVO
Date Collected: 7/9/2010 11:30
Date Received: 7/12/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result MG/L	Quantitation Limit MG/L	Dilution Factor	Date Analyzed
Acetone	BQL	0.0250	1	7/13/2010
Benzene	BQL	0.00100	1	7/13/2010
Bromobenzene	BQL	0.00100	1	7/13/2010
Bromochloromethane	BQL	0.00100	1	7/13/2010
Bromodichloromethane	BQL	0.00100	1	7/13/2010
Bromoform	BQL	0.00100	1	7/13/2010
Bromomethane	BQL	0.00100	1	7/13/2010
2-Butanone	BQL	0.0250	1	7/13/2010
n-Butylbenzene	BQL	0.00100	1	7/13/2010
sec-Butylbenzene	BQL	0.00100	1	7/13/2010
tert-Butylbenzene	BQL	0.00100	1	7/13/2010
Carbon disulfide	BQL	0.00100	1	7/13/2010
Carbon tetrachloride	BQL	0.00100	1	7/13/2010
Chlorobenzene	BQL	0.00100	1	7/13/2010
Chloroethane	BQL	0.00100	1	7/13/2010
Chloroform	BQL	0.00100	1	7/13/2010
Chloromethane	BQL	0.00100	1	7/13/2010
2-Chlorotoluene	BQL	0.00100	1	7/13/2010
4-Chlorotoluene	BQL	0.00100	1	7/13/2010
Dibromochloromethane	BQL	0.00100	1	7/13/2010
1,2-Dibromo-3-chloropropane	BQL	0.00500	1	7/13/2010
Dibromomethane	BQL	0.00100	1	7/13/2010
1,2-Dibromoethane (EDB)	BQL	0.00100	1	7/13/2010
1,2-Dichlorobenzene	BQL	0.00100	1	7/13/2010
1,3-Dichlorobenzene	BQL	0.00100	1	7/13/2010
1,4-Dichlorobenzene	BQL	0.00100	1	7/13/2010
trans-1,4-Dichloro-2-butene	BQL	0.00500	1	7/13/2010
1,1-Dichloroethane	BQL	0.00100	1	7/13/2010
1,1-Dichloroethene	BQL	0.00100	1	7/13/2010
1,2-Dichloroethane	BQL	0.00100	1	7/13/2010
cis-1,2-Dichloroethene	BQL	0.00100	1	7/13/2010
trans-1,2-dichloroethene	BQL	0.00100	1	7/13/2010
1,2-Dichloropropane	BQL	0.00100	1	7/13/2010
1,3-Dichloropropane	BQL	0.00100	1	7/13/2010
2,2-Dichloropropane	BQL	0.00100	1	7/13/2010
1,1-Dichloropropene	BQL	0.00100	1	7/13/2010
cis-1,3-Dichloropropene	BQL	0.00100	1	7/13/2010
trans-1,3-Dichloropropene	BQL	0.00100	1	7/13/2010
Dichlorodifluoromethane	BQL	0.00500	1	7/13/2010
Diisopropyl ether (DIPE)	BQL	0.00100	1	7/13/2010
Ethylbenzene	BQL	0.00100	1	7/13/2010
Hexachlorobutadiene	BQL	0.00100	1	7/13/2010
2-Hexanone	BQL	0.00500	1	7/13/2010
Iodomethane	BQL	0.00100	1	7/13/2010
Isopropylbenzene	BQL	0.00100	1	7/13/2010

Results for Volatiles
by GCMS 8260

Client Sample ID: 48MW17
Client Project ID: NCDOT Pittsboro #6-48
Lab Sample ID: G1037-82-1A
Lab Project ID: G1037-82

Analyzed By: DVO
Date Collected: 7/9/2010 11:30
Date Received: 7/12/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result MG/L	Quantitation Limit MG/L	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.00100	1	7/13/2010
Methylene chloride	BQL	0.00500	1	7/13/2010
4-Methyl-2-pentanone	BQL	0.00500	1	7/13/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00100	1	7/13/2010
Naphthalene	BQL	0.00100	1	7/13/2010
n-Propyl benzene	BQL	0.00100	1	7/13/2010
Styrene	BQL	0.00100	1	7/13/2010
1,1,1,2-Tetrachloroethane	BQL	0.00100	1	7/13/2010
1,1,2,2-Tetrachloroethane	BQL	0.00100	1	7/13/2010
Tetrachloroethene	BQL	0.00100	1	7/13/2010
Toluene	BQL	0.00100	1	7/13/2010
1,2,3-Trichlorobenzene	BQL	0.00100	1	7/13/2010
1,2,4-Trichlorobenzene	BQL	0.00100	1	7/13/2010
Trichloroethene	BQL	0.00100	1	7/13/2010
1,1,1-Trichloroethane	BQL	0.00100	1	7/13/2010
1,1,2-Trichloroethane	BQL	0.00100	1	7/13/2010
Trichlorofluoromethane	BQL	0.00100	1	7/13/2010
1,2,3-Trichloropropane	BQL	0.00100	1	7/13/2010
1,2,4-Trimethylbenzene	BQL	0.00100	1	7/13/2010
1,3,5-Trimethylbenzene	BQL	0.00100	1	7/13/2010
Vinyl chloride	BQL	0.00100	1	7/13/2010
m-,p-Xylene	BQL	0.00200	1	7/13/2010
o-Xylene	BQL	0.00100	1	7/13/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0293	98
Toluene-d8	0.03	0.0301	101
4-Bromofluorobenzene	0.03	0.03	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By:

Results for Volatiles
by GCMS 8260

Client Sample ID: 48MW-16
Client Project ID: NCDOT Pittsboro #6-48
Lab Sample ID: G1037-82-2A
Lab Project ID: G1037-82

Analyzed By: DVO
Date Collected: 7/9/2010 12:35
Date Received: 7/12/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result MG/L	Quantitation Limit MG/L	Dilution Factor	Date Analyzed
Acetone	BQL	2.00	80	7/13/2010
Benzene	BQL	0.0800	80	7/13/2010
Bromobenzene	BQL	0.0800	80	7/13/2010
Bromochloromethane	BQL	0.0800	80	7/13/2010
Bromodichloromethane	BQL	0.0800	80	7/13/2010
Bromoform	BQL	0.0800	80	7/13/2010
Bromomethane	BQL	0.0800	80	7/13/2010
2-Butanone	BQL	2.00	80	7/13/2010
n-Butylbenzene	BQL	0.0800	80	7/13/2010
sec-Butylbenzene	BQL	0.0800	80	7/13/2010
tert-Butylbenzene	BQL	0.0800	80	7/13/2010
Carbon disulfide	BQL	0.0800	80	7/13/2010
Carbon tetrachloride	BQL	0.0800	80	7/13/2010
Chlorobenzene	BQL	0.0800	80	7/13/2010
Chloroethane	BQL	0.0800	80	7/13/2010
Chloroform	BQL	0.0800	80	7/13/2010
Chloromethane	BQL	0.0800	80	7/13/2010
2-Chlorotoluene	BQL	0.0800	80	7/13/2010
4-Chlorotoluene	BQL	0.0800	80	7/13/2010
Dibromochloromethane	BQL	0.0800	80	7/13/2010
1,2-Dibromo-3-chloropropane	BQL	0.400	80	7/13/2010
Dibromomethane	BQL	0.0800	80	7/13/2010
1,2-Dibromoethane (EDB)	BQL	0.0800	80	7/13/2010
1,2-Dichlorobenzene	BQL	0.0800	80	7/13/2010
1,3-Dichlorobenzene	BQL	0.0800	80	7/13/2010
1,4-Dichlorobenzene	BQL	0.0800	80	7/13/2010
trans-1,4-Dichloro-2-butene	BQL	0.400	80	7/13/2010
1,1-Dichloroethane	BQL	0.0800	80	7/13/2010
1,1-Dichloroethene	**0.0848**	0.0800	80	7/13/2010
1,2-Dichloroethane	BQL	0.0800	80	7/13/2010
cis-1,2-Dichloroethene	BQL	0.0800	80	7/13/2010
trans-1,2-dichloroethene	BQL	0.0800	80	7/13/2010
1,2-Dichloropropane	BQL	0.0800	80	7/13/2010
1,3-Dichloropropane	BQL	0.0800	80	7/13/2010
2,2-Dichloropropane	BQL	0.0800	80	7/13/2010
1,1-Dichloropropene	BQL	0.0800	80	7/13/2010
cis-1,3-Dichloropropene	BQL	0.0800	80	7/13/2010
trans-1,3-Dichloropropene	BQL	0.0800	80	7/13/2010
Dichlorodifluoromethane	BQL	0.400	80	7/13/2010
Diisopropyl ether (DIPE)	BQL	0.0800	80	7/13/2010
Ethylbenzene	BQL	0.0800	80	7/13/2010
Hexachlorobutadiene	BQL	0.0800	80	7/13/2010
2-Hexanone	BQL	0.400	80	7/13/2010
Iodomethane	BQL	0.0800	80	7/13/2010
Isopropylbenzene	BQL	0.0800	80	7/13/2010

Results for Volatiles
by GCMS 8260

Client Sample ID: 48MW-16
Client Project ID: NCDOT Pittsboro #6-48
Lab Sample ID: G1037-82-2A
Lab Project ID: G1037-82

Analyzed By: DVO
Date Collected: 7/9/2010 12:35
Date Received: 7/12/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result MG/L	Quantitation Limit MG/L	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.0800	80	7/13/2010
Methylene chloride	BQL	0.400	80	7/13/2010
4-Methyl-2-pentanone	BQL	0.400	80	7/13/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.0800	80	7/13/2010
Naphthalene	BQL	0.0800	80	7/13/2010
n-Propyl benzene	BQL	0.0800	80	7/13/2010
Styrene	BQL	0.0800	80	7/13/2010
1,1,1,2-Tetrachloroethane	BQL	0.0800	80	7/13/2010
1,1,2,2-Tetrachloroethane	BQL	0.0800	80	7/13/2010
Tetrachloroethene	BQL	0.0800	80	7/13/2010
Toluene	BQL	0.0800	80	7/13/2010
1,2,3-Trichlorobenzene	BQL	0.0800	80	7/13/2010
1,2,4-Trichlorobenzene	BQL	0.0800	80	7/13/2010
Trichloroethene	**1.06**	0.0800	80	7/13/2010
1,1,1-Trichloroethane	BQL	0.0800	80	7/13/2010
1,1,2-Trichloroethane	BQL	0.0800	80	7/13/2010
Trichlorofluoromethane	BQL	0.0800	80	7/13/2010
1,2,3-Trichloropropane	BQL	0.0800	80	7/13/2010
1,2,4-Trimethylbenzene	BQL	0.0800	80	7/13/2010
1,3,5-Trimethylbenzene	BQL	0.0800	80	7/13/2010
Vinyl chloride	BQL	0.0800	80	7/13/2010
m-,p-Xylene	BQL	0.160	80	7/13/2010
o-Xylene	BQL	0.0800	80	7/13/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0301	100
Toluene-d8	0.03	0.03	100
4-Bromofluorobenzene	0.03	0.0303	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By: [signature]

Results for Volatiles
by GCMS 8260

Client Sample ID: 48DW5 (60 ft Bls)
Client Project ID: NCDOT Pittsboro #6-48
Lab Sample ID: G1037-82-3A
Lab Project ID: G1037-82

Analyzed By: DVO
Date Collected: 7/9/2010 13:00
Date Received: 7/12/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result MG/L	Quantitation Limit MG/L	Dilution Factor	Date Analyzed
Acetone	BQL	0.500	20	7/13/2010
Benzene	BQL	0.0200	20	7/13/2010
Bromobenzene	BQL	0.0200	20	7/13/2010
Bromochloromethane	BQL	0.0200	20	7/13/2010
Bromodichloromethane	BQL	0.0200	20	7/13/2010
Bromoform	BQL	0.0200	20	7/13/2010
Bromomethane	BQL	0.0200	20	7/13/2010
2-Butanone	BQL	0.500	20	7/13/2010
n-Butylbenzene	BQL	0.0200	20	7/13/2010
sec-Butylbenzene	BQL	0.0200	20	7/13/2010
tert-Butylbenzene	BQL	0.0200	20	7/13/2010
Carbon disulfide	BQL	0.0200	20	7/13/2010
Carbon tetrachloride	BQL	0.0200	20	7/13/2010
Chlorobenzene	BQL	0.0200	20	7/13/2010
Chloroethane	BQL	0.0200	20	7/13/2010
Chloroform	BQL	0.0200	20	7/13/2010
Chloromethane	BQL	0.0200	20	7/13/2010
2-Chlorotoluene	BQL	0.0200	20	7/13/2010
4-Chlorotoluene	BQL	0.0200	20	7/13/2010
Dibromochloromethane	BQL	0.0200	20	7/13/2010
1,2-Dibromo-3-chloropropane	BQL	0.100	20	7/13/2010
Dibromomethane	BQL	0.0200	20	7/13/2010
1,2-Dibromoethane (EDB)	BQL	0.0200	20	7/13/2010
1,2-Dichlorobenzene	BQL	0.0200	20	7/13/2010
1,3-Dichlorobenzene	BQL	0.0200	20	7/13/2010
1,4-Dichlorobenzene	BQL	0.0200	20	7/13/2010
trans-1,4-Dichloro-2-butene	BQL	0.100	20	7/13/2010
1,1-Dichloroethane	BQL	0.0200	20	7/13/2010
1,1-Dichloroethene	**0.0302**	0.0200	20	7/13/2010
1,2-Dichloroethane	BQL	0.0200	20	7/13/2010
cis-1,2-Dichloroethene	BQL	0.0200	20	7/13/2010
trans-1,2-dichloroethene	BQL	0.0200	20	7/13/2010
1,2-Dichloropropane	BQL	0.0200	20	7/13/2010
1,3-Dichloropropane	BQL	0.0200	20	7/13/2010
2,2-Dichloropropane	BQL	0.0200	20	7/13/2010
1,1-Dichloropropene	BQL	0.0200	20	7/13/2010
cis-1,3-Dichloropropene	BQL	0.0200	20	7/13/2010
trans-1,3-Dichloropropene	BQL	0.0200	20	7/13/2010
Dichlorodifluoromethane	BQL	0.100	20	7/13/2010
Diisopropyl ether (DIPE)	BQL	0.0200	20	7/13/2010
Ethylbenzene	BQL	0.0200	20	7/13/2010
Hexachlorobutadiene	BQL	0.0200	20	7/13/2010
2-Hexanone	BQL	0.100	20	7/13/2010
Iodomethane	BQL	0.0200	20	7/13/2010
Isopropylbenzene	BQL	0.0200	20	7/13/2010

Results for Volatiles
by GCMS 8260

Client Sample ID: 48DW5 (60 ft Bls)
Client Project ID: NCDOT Pittsboro #6-48
Lab Sample ID: G1037-82-3A
Lab Project ID: G1037-82

Analyzed By: DVO
Date Collected: 7/9/2010 13:00
Date Received: 7/12/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result MG/L	Quantitation Limit MG/L	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.0200	20	7/13/2010
Methylene chloride	BQL	0.100	20	7/13/2010
4-Methyl-2-pentanone	BQL	0.100	20	7/13/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.0200	20	7/13/2010
Naphthalene	BQL	0.0200	20	7/13/2010
n-Propyl benzene	BQL	0.0200	20	7/13/2010
Styrene	BQL	0.0200	20	7/13/2010
1,1,1,2-Tetrachloroethane	BQL	0.0200	20	7/13/2010
1,1,2,2-Tetrachloroethane	BQL	0.0200	20	7/13/2010
Tetrachloroethene	BQL	0.0200	20	7/13/2010
Toluene	BQL	0.0200	20	7/13/2010
1,2,3-Trichlorobenzene	BQL	0.0200	20	7/13/2010
1,2,4-Trichlorobenzene	BQL	0.0200	20	7/13/2010
Trichloroethene	**0.313**	0.0200	20	7/13/2010
1,1,1-Trichloroethane	BQL	0.0200	20	7/13/2010
1,1,2-Trichloroethane	BQL	0.0200	20	7/13/2010
Trichlorofluoromethane	BQL	0.0200	20	7/13/2010
1,2,3-Trichloropropane	BQL	0.0200	20	7/13/2010
1,2,4-Trimethylbenzene	BQL	0.0200	20	7/13/2010
1,3,5-Trimethylbenzene	BQL	0.0200	20	7/13/2010
Vinyl chloride	BQL	0.0200	20	7/13/2010
m-,p-Xylene	BQL	0.0400	20	7/13/2010
o-Xylene	BQL	0.0200	20	7/13/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0299	100
Toluene-d8	0.03	0.0309	103
4-Bromofluorobenzene	0.03	0.0301	100

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By:

Results for Volatiles
by GCMS 8260

Client Sample ID: 48DW5 (80 ft Bls)
Client Project ID: NCDOT Pittsboro #6-48
Lab Sample ID: G1037-82-4A
Lab Project ID: G1037-82

Analyzed By: DVO
Date Collected: 7/9/2010 13:10
Date Received: 7/12/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result MG/L	Quantitation Limit MG/L	Dilution Factor	Date Analyzed
Acetone	BQL	0.500	20	7/13/2010
Benzene	BQL	0.0200	20	7/13/2010
Bromobenzene	BQL	0.0200	20	7/13/2010
Bromochloromethane	BQL	0.0200	20	7/13/2010
Bromodichloromethane	BQL	0.0200	20	7/13/2010
Bromoform	BQL	0.0200	20	7/13/2010
Bromomethane	BQL	0.0200	20	7/13/2010
2-Butanone	BQL	0.500	20	7/13/2010
n-Butylbenzene	BQL	0.0200	20	7/13/2010
sec-Butylbenzene	BQL	0.0200	20	7/13/2010
tert-Butylbenzene	BQL	0.0200	20	7/13/2010
Carbon disulfide	BQL	0.0200	20	7/13/2010
Carbon tetrachloride	BQL	0.0200	20	7/13/2010
Chlorobenzene	BQL	0.0200	20	7/13/2010
Chloroethane	BQL	0.0200	20	7/13/2010
Chloroform	BQL	0.0200	20	7/13/2010
Chloromethane	BQL	0.0200	20	7/13/2010
2-Chlorotoluene	BQL	0.0200	20	7/13/2010
4-Chlorotoluene	BQL	0.0200	20	7/13/2010
Dibromochloromethane	BQL	0.0200	20	7/13/2010
1,2-Dibromo-3-chloropropane	BQL	0.100	20	7/13/2010
Dibromomethane	BQL	0.0200	20	7/13/2010
1,2-Dibromoethane (EDB)	BQL	0.0200	20	7/13/2010
1,2-Dichlorobenzene	BQL	0.0200	20	7/13/2010
1,3-Dichlorobenzene	BQL	0.0200	20	7/13/2010
1,4-Dichlorobenzene	BQL	0.0200	20	7/13/2010
trans-1,4-Dichloro-2-butene	BQL	0.100	20	7/13/2010
1,1-Dichloroethane	BQL	0.0200	20	7/13/2010
1,1-Dichloroethene	**0.0274**	0.0200	20	7/13/2010
1,2-Dichloroethane	BQL	0.0200	20	7/13/2010
cis-1,2-Dichloroethene	BQL	0.0200	20	7/13/2010
trans-1,2-dichloroethene	BQL	0.0200	20	7/13/2010
1,2-Dichloropropane	BQL	0.0200	20	7/13/2010
1,3-Dichloropropane	BQL	0.0200	20	7/13/2010
2,2-Dichloropropane	BQL	0.0200	20	7/13/2010
1,1-Dichloropropene	BQL	0.0200	20	7/13/2010
cis-1,3-Dichloropropene	BQL	0.0200	20	7/13/2010
trans-1,3-Dichloropropene	BQL	0.0200	20	7/13/2010
Dichlorodifluoromethane	BQL	0.100	20	7/13/2010
Diisopropyl ether (DIPE)	BQL	0.0200	20	7/13/2010
Ethylbenzene	BQL	0.0200	20	7/13/2010
Hexachlorobutadiene	BQL	0.0200	20	7/13/2010
2-Hexanone	BQL	0.100	20	7/13/2010
Iodomethane	BQL	0.0200	20	7/13/2010
Isopropylbenzene	BQL	0.0200	20	7/13/2010

Results for Volatiles
by GCMS 8260

Client Sample ID: 48DW5 (80 ft Bls)
Client Project ID: NCDOT Pittsboro #6-48
Lab Sample ID: G1037-82-4A
Lab Project ID: G1037-82

Analyzed By: DVO
Date Collected: 7/9/2010 13:10
Date Received: 7/12/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result MG/L	Quantitation Limit MG/L	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.0200	20	7/13/2010
Methylene chloride	BQL	0.100	20	7/13/2010
4-Methyl-2-pentanone	BQL	0.100	20	7/13/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.0200	20	7/13/2010
Naphthalene	BQL	0.0200	20	7/13/2010
n-Propyl benzene	BQL	0.0200	20	7/13/2010
Styrene	BQL	0.0200	20	7/13/2010
1,1,1,2-Tetrachloroethane	BQL	0.0200	20	7/13/2010
1,1,2,2-Tetrachloroethane	BQL	0.0200	20	7/13/2010
Tetrachloroethene	BQL	0.0200	20	7/13/2010
Toluene	BQL	0.0200	20	7/13/2010
1,2,3-Trichlorobenzene	BQL	0.0200	20	7/13/2010
1,2,4-Trichlorobenzene	BQL	0.0200	20	7/13/2010
Trichloroethene	**0.283**	0.0200	20	7/13/2010
1,1,1-Trichloroethane	BQL	0.0200	20	7/13/2010
1,1,2-Trichloroethane	BQL	0.0200	20	7/13/2010
Trichlorofluoromethane	BQL	0.0200	20	7/13/2010
1,2,3-Trichloropropane	BQL	0.0200	20	7/13/2010
1,2,4-Trimethylbenzene	BQL	0.0200	20	7/13/2010
1,3,5-Trimethylbenzene	BQL	0.0200	20	7/13/2010
Vinyl chloride	BQL	0.0200	20	7/13/2010
m-,p-Xylene	BQL	0.0400	20	7/13/2010
o-Xylene	BQL	0.0200	20	7/13/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0297	99
Toluene-d8	0.03	0.0305	102
4-Bromofluorobenzene	0.03	0.0302	101

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVD

Reviewed By:

Results for Volatiles
by GCMS 8260

Client Sample ID: 48DW5 (100 ft Bls)
Client Project ID: NCDOT Pittsboro #6-48
Lab Sample ID: G1037-82-5A
Lab Project ID: G1037-82

Analyzed By: DVO
Date Collected: 7/9/2010 13:20
Date Received: 7/12/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result MG/L	Quantitation Limit MG/L	Dilution Factor	Date Analyzed
Acetone	BQL	0.500	20	7/13/2010
Benzene	BQL	0.0200	20	7/13/2010
Bromobenzene	BQL	0.0200	20	7/13/2010
Bromochloromethane	BQL	0.0200	20	7/13/2010
Bromodichloromethane	BQL	0.0200	20	7/13/2010
Bromoform	BQL	0.0200	20	7/13/2010
Bromomethane	BQL	0.0200	20	7/13/2010
2-Butanone	BQL	0.500	20	7/13/2010
n-Butylbenzene	BQL	0.0200	20	7/13/2010
sec-Butylbenzene	BQL	0.0200	20	7/13/2010
tert-Butylbenzene	BQL	0.0200	20	7/13/2010
Carbon disulfide	BQL	0.0200	20	7/13/2010
Carbon tetrachloride	BQL	0.0200	20	7/13/2010
Chlorobenzene	BQL	0.0200	20	7/13/2010
Chloroethane	BQL	0.0200	20	7/13/2010
Chloroform	BQL	0.0200	20	7/13/2010
Chloromethane	BQL	0.0200	20	7/13/2010
2-Chlorotoluene	BQL	0.0200	20	7/13/2010
4-Chlorotoluene	BQL	0.0200	20	7/13/2010
Dibromochloromethane	BQL	0.0200	20	7/13/2010
1,2-Dibromo-3-chloropropane	BQL	0.100	20	7/13/2010
Dibromomethane	BQL	0.0200	20	7/13/2010
1,2-Dibromoethane (EDB)	BQL	0.0200	20	7/13/2010
1,2-Dichlorobenzene	BQL	0.0200	20	7/13/2010
1,3-Dichlorobenzene	BQL	0.0200	20	7/13/2010
1,4-Dichlorobenzene	BQL	0.0200	20	7/13/2010
trans-1,4-Dichloro-2-butene	BQL	0.100	20	7/13/2010
1,1-Dichloroethane	BQL	0.0200	20	7/13/2010
1,1-Dichloroethene	**0.0282**	0.0200	20	7/13/2010
1,2-Dichloroethane	BQL	0.0200	20	7/13/2010
cis-1,2-Dichloroethene	BQL	0.0200	20	7/13/2010
trans-1,2-dichloroethene	BQL	0.0200	20	7/13/2010
1,2-Dichloropropane	BQL	0.0200	20	7/13/2010
1,3-Dichloropropane	BQL	0.0200	20	7/13/2010
2,2-Dichloropropane	BQL	0.0200	20	7/13/2010
1,1-Dichloropropene	BQL	0.0200	20	7/13/2010
cis-1,3-Dichloropropene	BQL	0.0200	20	7/13/2010
trans-1,3-Dichloropropene	BQL	0.0200	20	7/13/2010
Dichlorodifluoromethane	BQL	0.100	20	7/13/2010
Diisopropyl ether (DIPE)	BQL	0.0200	20	7/13/2010
Ethylbenzene	BQL	0.0200	20	7/13/2010
Hexachlorobutadiene	BQL	0.0200	20	7/13/2010
2-Hexanone	BQL	0.100	20	7/13/2010
Iodomethane	BQL	0.0200	20	7/13/2010
Isopropylbenzene	BQL	0.0200	20	7/13/2010

Results for Volatiles
by GCMS 8260

Client Sample ID: 48DW5 (100 ft Bls)
Client Project ID: NCDOT Pittsboro #6-48
Lab Sample ID: G1037-82-5A
Lab Project ID: G1037-82

Analyzed By: DVO
Date Collected: 7/9/2010 13:20
Date Received: 7/12/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result MG/L	Quantitation Limit MG/L	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.0200	20	7/13/2010
Methylene chloride	BQL	0.100	20	7/13/2010
4-Methyl-2-pentanone	BQL	0.100	20	7/13/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.0200	20	7/13/2010
Naphthalene	BQL	0.0200	20	7/13/2010
n-Propyl benzene	BQL	0.0200	20	7/13/2010
Styrene	BQL	0.0200	20	7/13/2010
1,1,1,2-Tetrachloroethane	BQL	0.0200	20	7/13/2010
1,1,2,2-Tetrachloroethane	BQL	0.0200	20	7/13/2010
Tetrachloroethene	BQL	0.0200	20	7/13/2010
Toluene	BQL	0.0200	20	7/13/2010
1,2,3-Trichlorobenzene	BQL	0.0200	20	7/13/2010
1,2,4-Trichlorobenzene	BQL	0.0200	20	7/13/2010
Trichloroethene	**0.356**	0.0200	20	7/13/2010
1,1,1-Trichloroethane	BQL	0.0200	20	7/13/2010
1,1,2-Trichloroethane	BQL	0.0200	20	7/13/2010
Trichlorofluoromethane	BQL	0.0200	20	7/13/2010
1,2,3-Trichloropropane	BQL	0.0200	20	7/13/2010
1,2,4-Trimethylbenzene	BQL	0.0200	20	7/13/2010
1,3,5-Trimethylbenzene	BQL	0.0200	20	7/13/2010
Vinyl chloride	BQL	0.0200	20	7/13/2010
m-,p-Xylene	BQL	0.0400	20	7/13/2010
o-Xylene	BQL	0.0200	20	7/13/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0306	102
Toluene-d8	0.03	0.0305	102
4-Bromofluorobenzene	0.03	0.0309	103

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By: _____

Results for Volatiles
by GCMS 8260

Client Sample ID: Trip Blank
Client Project ID: NCDOT Pittsboro #6-48
Lab Sample ID: G1037-82-6A
Lab Project ID: G1037-82

Analyzed By: DVO
Date Collected: 7/9/2010 0:00
Date Received: 7/12/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result MG/L	Quantitation Limit MG/L	Dilution Factor	Date Analyzed
Acetone	BQL	0.0250	1	7/13/2010
Benzene	BQL	0.00100	1	7/13/2010
Bromobenzene	BQL	0.00100	1	7/13/2010
Bromochloromethane	BQL	0.00100	1	7/13/2010
Bromodichloromethane	BQL	0.00100	1	7/13/2010
Bromoform	BQL	0.00100	1	7/13/2010
Bromomethane	BQL	0.00100	1	7/13/2010
2-Butanone	BQL	0.0250	1	7/13/2010
n-Butylbenzene	BQL	0.00100	1	7/13/2010
sec-Butylbenzene	BQL	0.00100	1	7/13/2010
tert-Butylbenzene	BQL	0.00100	1	7/13/2010
Carbon disulfide	BQL	0.00100	1	7/13/2010
Carbon tetrachloride	BQL	0.00100	1	7/13/2010
Chlorobenzene	BQL	0.00100	1	7/13/2010
Chloroethane	BQL	0.00100	1	7/13/2010
Chloroform	BQL	0.00100	1	7/13/2010
Chloromethane	BQL	0.00100	1	7/13/2010
2-Chlorotoluene	BQL	0.00100	1	7/13/2010
4-Chlorotoluene	BQL	0.00100	1	7/13/2010
Dibromochloromethane	BQL	0.00100	1	7/13/2010
1,2-Dibromo-3-chloropropane	BQL	0.00500	1	7/13/2010
Dibromomethane	BQL	0.00100	1	7/13/2010
1,2-Dibromoethane (EDB)	BQL	0.00100	1	7/13/2010
1,2-Dichlorobenzene	BQL	0.00100	1	7/13/2010
1,3-Dichlorobenzene	BQL	0.00100	1	7/13/2010
1,4-Dichlorobenzene	BQL	0.00100	1	7/13/2010
trans-1,4-Dichloro-2-butene	BQL	0.00500	1	7/13/2010
1,1-Dichloroethane	BQL	0.00100	1	7/13/2010
1,1-Dichloroethene	BQL	0.00100	1	7/13/2010
1,2-Dichloroethane	BQL	0.00100	1	7/13/2010
cis-1,2-Dichloroethene	BQL	0.00100	1	7/13/2010
trans-1,2-dichloroethene	BQL	0.00100	1	7/13/2010
1,2-Dichloropropane	BQL	0.00100	1	7/13/2010
1,3-Dichloropropane	BQL	0.00100	1	7/13/2010
2,2-Dichloropropane	BQL	0.00100	1	7/13/2010
1,1-Dichloropropene	BQL	0.00100	1	7/13/2010
cis-1,3-Dichloropropene	BQL	0.00100	1	7/13/2010
trans-1,3-Dichloropropene	BQL	0.00100	1	7/13/2010
Dichlorodifluoromethane	BQL	0.00500	1	7/13/2010
Diisopropyl ether (DIPE)	BQL	0.00100	1	7/13/2010
Ethylbenzene	BQL	0.00100	1	7/13/2010
Hexachlorobutadiene	BQL	0.00100	1	7/13/2010
2-Hexanone	BQL	0.00500	1	7/13/2010
Iodomethane	BQL	0.00100	1	7/13/2010
Isopropylbenzene	BQL	0.00100	1	7/13/2010

Results for Volatiles
by GCMS 8260

Client Sample ID: Trip Blank
Client Project ID: NCDOT Pittsboro #6-48
Lab Sample ID: G1037-82-6A
Lab Project ID: G1037-82

Analyzed By: DVO
Date Collected: 7/9/2010 0:00
Date Received: 7/12/2010
Matrix: Water
Sample Amount: 5 mL

Compound	Result MG/L	Quantitation Limit MG/L	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	0.00100	1	7/13/2010
Methylene chloride	BQL	0.00500	1	7/13/2010
4-Methyl-2-pentanone	BQL	0.00500	1	7/13/2010
Methyl-tert-butyl ether (MTBE)	BQL	0.00100	1	7/13/2010
Naphthalene	BQL	0.00100	1	7/13/2010
n-Propyl benzene	BQL	0.00100	1	7/13/2010
Styrene	BQL	0.00100	1	7/13/2010
1,1,1,2-Tetrachloroethane	BQL	0.00100	1	7/13/2010
1,1,2,2-Tetrachloroethane	BQL	0.00100	1	7/13/2010
Tetrachloroethene	BQL	0.00100	1	7/13/2010
Toluene	BQL	0.00100	1	7/13/2010
1,2,3-Trichlorobenzene	BQL	0.00100	1	7/13/2010
1,2,4-Trichlorobenzene	BQL	0.00100	1	7/13/2010
Trichloroethene	BQL	0.00100	1	7/13/2010
1,1,1-Trichloroethane	BQL	0.00100	1	7/13/2010
1,1,2-Trichloroethane	BQL	0.00100	1	7/13/2010
Trichlorofluoromethane	BQL	0.00100	1	7/13/2010
1,2,3-Trichloropropane	BQL	0.00100	1	7/13/2010
1,2,4-Trimethylbenzene	BQL	0.00100	1	7/13/2010
1,3,5-Trimethylbenzene	BQL	0.00100	1	7/13/2010
Vinyl chloride	BQL	0.00100	1	7/13/2010
m-,p-Xylene	BQL	0.00200	1	7/13/2010
o-Xylene	BQL	0.00100	1	7/13/2010

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	0.03	0.0294	98
Toluene-d8	0.03	0.0306	102
4-Bromofluorobenzene	0.03	0.0293	98

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: DVO

Reviewed By:

AECOM

CHAIN OF CUSTODY RECORD

G1037-82

Client/Project Name: NCDOT Pittsboro #6-48	Project Location: Pittsboro, NC
Project Number: 60154105.6	Field Logbook No.: 1
Sampler (Print Name)/(Affiliation): D. Babineau/Aecom	Chain of Custody Tape Nos.: N/A
Signature:	Send Results/Report to: Matt.Brennen@Aecom.com
	TAT: Standard

Analysis Requested: 8260B

Container Type	Preservation
P – Plastic	1 – HCl, 4°
A – Amber Glass	2 – H2SO4, 4°
G – Clear Glass	3 – HNO3, 4°
V – VOA Vial	4 – NaOH, 4°
O – Other	5 – NaOH/ZnAc, 4°
E – Encore	6 – Na2S2O3, 4°
	7 – 4°

Matrix Codes:

DW – Drinking Water	S – Soil
WW – Wastewater	SL – Sludge
GW – Groundwater	SD – Sediment
SW – Surface Water	SO – Solid
ST – Storm Water	A – Air
W – Water	L – Liquid
	P – Product

Field Sample No./Identification	Date	Time	COMP	GRAB	Sample Container (Size/Mat'l)	Matrix	Preserv.	Field Filtered	8260B	Lab I.D.	Remarks
48MW-17	7/9/10	1130		X	VOA	GW	HCl	N/A	3		Bill To NCDOT #34613.1
48MW-16		1235		X					3		
48DW5 (60 ft BLS)		1300		X					3		
48DW5 (80 ft BLS)		1310		X					3		
48DW5 (100 ft BLS)		1320		X					3		
TRIP Blank		—	—		VOA	—	—	—	2		

Relinquished by: (Print Name)/(Affiliation) D. Babineau/Aecom Signature:	Date: 7/9/10 Time: 16:20	Received by: (Print Name)/(Affiliation) Adam Phillips/SGS Signature:	Date: 7/9/10 Time: 16:20
Relinquished by: (Print Name)/(Affiliation) Adam Phillips/SGS Signature:	Date: 7/9/10 Time: 17:30	Received by: (Print Name)/(Affiliation) Signature:	Date: Time:
Relinquished by: (Print Name)/(Affiliation) Signature:	Date: 7/10/10 Time: 9:50	Received by: (Print Name)/(Affiliation) Signature:	Date: 7/12/10 Time: 0800

Analytical Laboratory (Destination): SGS Labs

Sample Shipped Via: UPS FedEx Courier Other

Temp blank: Yes No

1.3 °C N/A custody seal

Serial No. № 0081

Q:\GRAPHICS\FORMS\Chain of Custody (COC)\Chain-of-Custody_AECOM Environment_09.doc

SGS North America, Inc.

N.C. Certification #481