



January 17, 2011

Mr. Perry Gaughan  
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U. S. Environmental Protection Agency, Region 4  
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**Subject: Final Removal Assessment Report  
Liberty Fibers Site  
EPA Contract No. EP-W-05-054 (START III, Region 4)  
Technical Direction Document No. TTEMI-05-003-0041**

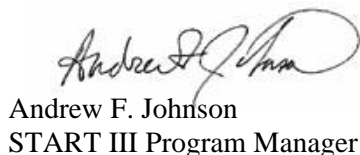
Dear Mr. Gaughan:

The Tetra Tech EM Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) is submitting the final removal assessment report for the Liberty Fibers Site in Lowland, Hamblen County, Tennessee. This report summarizes field activities conducted at the site from January 18 through 22, 2010.

Please call me (Paul Prys) at 678-775-3106 or Sandra Harrigan at (678) 775-3088 if you have any questions or comments regarding this submittal.



Paul Prys  
START III Site Manager



Andrew F. Johnson  
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Enclosures

cc: Katrina Jones, EPA Project Officer  
Angel Reed, START III Document Control Coordinator

**FINAL  
REMOVAL ASSESSMENT**

**LIBERTY FIBERS SITE  
LOWLAND, HAMBLEN COUNTY, TENNESSEE**

**Revision 0**

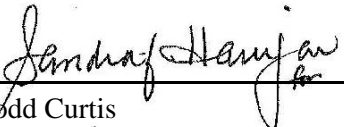
**Prepared for**

**U.S. ENVIRONMENTAL PROTECTION AGENCY  
Region 4  
Atlanta, Georgia 30303**



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Date Prepared	:	January 17, 2011
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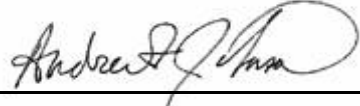
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1	ENVIROPROBE SERVICE, INC., GEOPHYSICAL INVESTIGATION REPORT, DATED JANUARY 29, 2010
2	RESOLUTIONS INC AIR MONITORING RESULTS

## 1.0 INTRODUCTION

This Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) removal assessment report has been prepared under Technical Direction Document (TDD) Number (No.) TTEMI-05-003-0041, which the U.S. Environmental Protection Agency, Region 4 (EPA) assigned to the Tetra Tech EM Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) under Contract No. EP-W-05-054. The overall scope of this TDD, monitored by EPA On-Scene Coordinator (OSC) Perry Gaughan, was to conduct a removal assessment (RA) at the Liberty Fibers site to determine the presence and nature of contamination and to assess and evaluate the need for a removal action.

Activities conducted at the Liberty Fibers site included the following.

- Providing written and photographic documentation of RA activities
- Collecting multimedia samples, including waste, wastewater, soil, sediment, and bulk samples for analysis of polychlorinated biphenyls (PCBs), total Resource Conservation and Recovery Act (RCRA) metals, anions, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and asbestos
- Conducting a geophysical investigation in an attempt to identify the locations of possible buried PCB transformers
- Conducting air monitoring to ensure site safety
- Preparing sampling and chain-of-custody documentations
- Assessing the need for a removal action

Tetra Tech used information gathered during the investigation to prepare this RA report, which is organized as follows:

- Section 2.0 describes the site background and previous investigations
- Section 3.0 discusses the removal assessment activities including sampling activities and deviations from the sampling and analysis plan (SAP)
- Section 4.0 discusses the analytical methodology, data validation, and analytical results
- Section 5.0 discusses the RA summary and conclusions
- Figures are provided in Appendix A, analytical data summary tables are provided in Appendix B, the photographic log is provided in Appendix C, the field logbooks are provided in Appendix D, the data validation reports are provided in Appendix E, the laboratory analytical data packages are provided in Appendix F, and a table of witnesses is provided in Appendix G. Attachment 1 presents the Enviroprobe, Inc. geophysical investigation report dated January 29, 2010 and Attachment 2 presents a copy of the Resolution, Inc. air monitoring results sheets.



## 2.0 SITE BACKGROUND AND PREVIOUS INVESTIGATIONS

The Liberty Fibers site is a former rayon fiber manufacturer located in Lowland, Hamblen County, Tennessee (see Figure 1 in Appendix A). According to a briefing memorandum prepared by the Tennessee Department of Environment and Conservation (TDEC), Liberty Fibers filed for bankruptcy in September 2005. A&E Salvage Company (formerly J&N Salvage Company) bought the salvage rights to the Liberty Fibers property in October 2006. The salvage rights include all equipment and materials located on the property and the option to purchase the property.

In September 2006, TDEC, in coordination with EPA, conducted a site visit in response to a tip TDEC received about demolition and the presence of hazardous materials, including polychlorinated biphenyls (PCB) on site. During the site visit, TDEC observed approximately 24 transformers and 80 capacitors labeled as containing PCBs. Also in September 2006, the commissioner of TDEC received a letter from the Mayor of Hamblen County expressing his concern about the potential for the release of on-site PCBs, asbestos, and other chemicals during the ongoing salvage operation. During a discussion in October 2006 among EPA personnel, A&E Salvage Company personnel, a Liberty Fibers representative, the court-appointed trustee, and TDEC personnel, A&E Salvage Company acknowledged ownership of the PCB equipment, and said that the company would accept full legal responsibility for proper removal and disposal of the PCB equipment in compliance with appropriate regulations.

A&E Salvage Company submitted a plan to EPA in January 2007 for sampling and removing all transformers and capacitors located on site. A&E Salvage Company contracted SD Myers to sample the dormant on-site transformers and capacitors for analysis of PCBs. The energized PCB units could not be sampled until Morristown Utilities ran new service to the site so that existing PCB energized units could be de-energized and removed from service for disposal. SD Meyers sampled 39 transformers, of which 16 were found to contain or were contaminated with PCBs; 23 transformers did not contain PCBs. A&E Salvage Company contracted Booher Industrial Company, based in Jasper, Georgia, to remove and dispose of the PCB transformers. However, EPA later informed A&E Salvage Company that Booher Industrial Company was not an EPA-approved commercial storage and disposal facility for PCB-regulated waste.

In March 2007, A&E Salvage Company met with IPI Business and Morristown Utilities, when the City of Morristown decided to annex the Liberty Fibers site and include the site as part of its Urban Growth Boundaries. As a result, the City of Morristown would be responsible for providing utility services, including power and water, to the Liberty Fibers site.

In March 2008, the EPA RCRA and Oil Pollution Act (OPA) Enforcement and Compliance Branch contacted the Emergency Response and Remediation Branch (ERRB) about conducting a removal assessment of the facility. EPA OSC Steve Spurlin contacted the EPA and TDEC representatives involved with the facility to discuss the site and review documentation. OSC Spurlin, supported by Tetra Tech, as well as representatives from TDEC, EPA Asbestos, EPA RCRA, and EPA Toxic Substances Control Act (TSCA) Enforcement programs, conducted a site visit on March 20 and 21, 2008. EPA and Tetra Tech were joined by Mr. Mark Sawyer, a local investor in A&E Salvage Company, and Mr. Tom Montgomery, a former employee of Liberty Fibers Corporation. During the site visit, EPA and Tetra Tech observed several drums, totes, and tanks; bags labeled as “asbestos containing material”; a 50,000-gallon sulfuric acid tank containing approximately 8 inches of product; known and suspected PCB containing articles and oils; suspected asbestos-containing material (ACM); and discolored soil throughout the property. In addition, Mr. Montgomery identified an on-site concrete vault that contained six 10,000-gallon tanks used to store carbon disulfide, an extremely flammable chemical used in manufacturing rayon (see Figure 2 in Appendix A). The vault is typically filled with water, submerging the tanks, to reduce the risk of fire and explosion. Mr. Montgomery also identified a leak in the western wall of the vault, as a result of which the tanks were only half-way submerged.

Soil, surface water, and waste samples were collected during the March 2008 site visit. A grab surface soil sample (LF-SS-01) collected from the soil directly beneath the leak in the western wall of the carbon disulfide tank vault contained 0.927 milligrams per kilogram (mg/kg) of carbon disulfide. A composite surface soil sample (LF-SS-02), collected from a ditch where TDEC personnel had observed two transformers during a previous visit, contained 0.362 mg/kg of the PCB Aroclor 1260. A surface water sample (LF-SW-01), collected from the ditch, contained 2,480 micrograms per liter (µg/L) of the PCB Aroclor 1260. A waste sample, collected from oil-soaked saw dust located within a non-permitted PCB storage area, contained 380 mg/kg of the PCB Aroclor 1260.

In December 2009, EPA OSC Gaughan, Tetra Tech personnel, and TDEC personnel conducted another site visit with Mr. Sawyer. During the site visit, Mr. Sawyer informed EPA and Tetra Tech that the carbon disulfide tanks within the concrete vault did not contain any product and had been removed from the vault sometime in the spring of 2009 to be sold for scrap metal. The tanks had been removed because of the potential for explosion.

As of January 2010, the water that submerged the tanks appeared to remain in the vault. The power mechanical shop contains asbestos bagged waste, and the welding shop contains PCB-contaminated transformers and capacitors (see Figure 2 in Appendix A). Although the facility is partially demolished, the debris fields, mixed with presumed ACM, remain. Two tenants from the previous owner and one

recent tenant occupied the site at the time of the assessment. Recycling and reclamation operations are ongoing, and at least one metals recycling business is operating on site.

### **3.0 REMOVAL ASSESSMENT ACTIVITIES**

On January 18, 2010, Tetra Tech START mobilized to the Liberty Fibers site to conduct RA activities. Tetra Tech START personnel met with Resolution Incorporated (RI). RI is a Tetra Tech-procured subcontractor contracted to conduct area and personal air monitoring during the RA. Tetra Tech START and RI personnel established area air monitoring locations around the perimeter of the facility to assess the potential of off-site fiber migration. In the afternoon, Tetra Tech START personnel conducted a site walkthrough to establish areas of concern for buried transformers and to identify sampling locations for suspected ACM. Figure 3A depicts the overall site layout, which has been broken down into six subsections (Figures 3B, 3C, 3D, 3E, 3F, and 3G) to provide greater detail of the sample locations discussed throughout this report.

On January 19, 2010, Tetra Tech START, RI, and Enviroprobe Service, Incorporated, personnel met on site to begin the RA. Enviroprobe is a Tetra Tech-procured subcontractor contracted to conduct the geophysical investigation. Enviroprobe, at the direction of Tetra Tech START and OSC Perry Gaughan, surveyed a total of nine probable burial locations, and designated these as Areas 1 through 9.

RA activities included six primary objectives: collecting bulk asbestos samples; conducting a geophysical investigation in an attempt to identify the locations of possible buried PCB transformers; collecting aqueous and solid waste samples from the carbon disulfide tank vault and surrounding area; collecting solid waste samples from two neutralization pits; collecting waste samples from on-site drums and totes; and collecting personal and area air samples for phase contrast microscopy (PCM) analysis to evaluate the level of exposure of site personnel to airborne fibers during the assessment and to determine the level of concentration of airborne fibers that may be migrating off site. These objectives are discussed further in the following subsections.

#### **3.1 BULK ASBESTOS SAMPLING**

On January 19, 20, and 22, 2010, Tetra Tech START personnel donned Level C personal protective equipment (PPE) and collected bulk samples of suspect asbestos-containing materials throughout the facility. The purpose of the sampling was to confirm the presence of asbestos at previously identified locations. Suspect materials sampled were friable thermal system insulation (TSI), roofing material, roof mastic, Transite pipe, and neutralization pit waste. Tetra Tech START personnel collected a total of 90

bulk samples. All bulk asbestos samples were collected in accordance with the EPA Office of Solid Waste and Emergency Response (OSWER) *Asbestos Committee of the Technical Review Workgroup, Framework for Investigating Asbestos-Contaminated Superfund Sites*, OSWER Directive #9200.0-68. The samples were submitted to TestAmerica in Nashville, Tennessee, a Tetra Tech-procured laboratory, for analysis of asbestos. TestAmerica used a subcontract laboratory, EMLab P&K of Cherry Hill, New Jersey, for the analysis of the bulk samples collected from the Liberty Fibers site using EPA Method 600/M4-82-020, *Interim Method for the Determination of Asbestos in Bulk Insulation Samples* (October 1982) and EPA Method 600/R-93-116, *Method for the Determination of Asbestos in Bulk Building Material* (July 1993). Analysis of the 90 bulk samples collected identified 28 samples with an asbestos content of more than 1 percent asbestos. An additional six samples were identified with less than 1 percent asbestos. Types of asbestos identified included chrysotile, amosite, and anthophyllite. Figures 3B, 3C, 3D, 3E, 3F, and 3G in Appendix A depict the locations of the bulk samples collected throughout the site. Table 1 in Appendix B contains the summary of laboratory results for bulk samples collected during the RA. Laboratory analytical results are located in Appendix F.

### 3.2 GEOPHYSICAL INVESTIGATION

Tetra Tech START conducted a subsurface geophysical investigation at the Liberty Fibers site. Data gathered during the geophysical investigation were used to identify locations where PCB-containing transformers may have been buried by the property owner.

Because of the muddy conditions and standing water, Enviroprobe determined that an EM61 MK2 (EM 61), which consisted of a radiodetection receiver, a radiodetection transmitter, and a Geonics EM61 metal detector, would be better suited for the existing site conditions. The EM61 operator towed the equipment in a cart and walked in a bi-directional (back and forth) linear path. Both the EM61 and global positioning system (GPS) data were stored on the field computer during the investigation.

Enviroprobe, at the direction of Tetra Tech START and OSC Perry Gaughan, surveyed a total of nine probable burial locations, designated as Areas 1 through 9. These locations were chosen based on their proximity to former transformer locations, apparent ground disturbance, and burial mounds (see Figure 4 in Appendix A). A copy of the report generated by Enviroprobe can be found in Attachment 1.

- Two anomalies were detected in Area 2. After further investigation, one anomaly was determined to be a pipe.
- Multiple small anomalies and two subsurface structures (most likely rebar used to reinforce concrete) were detected in Area 4, north of the clarifier. In addition, one large anomaly was

detected in an area where the surface had been disturbed west of the clarifier. Surficial staining was also observed just north of the clarifier.

- One anomaly, a large burial mound on the western portion of the property, was detected in Area 5.
- One moderately sized anomaly was detected in Area 6 where there was evidence of surficial disturbance.
- One moderately sized anomaly was detected in Area 7, which consisted of a burial mound in the center of the property.
- One moderate anomaly and two small anomalies were detected in Area 9, where there was evidence of surficial disturbance.

According to the subsurface geophysical investigation conducted on January 19 through 22, 2010, several anomalies were detected in Areas 2, 4, 5, 6, 7, and 9 (see Figure 4 in Appendix A). Abundant scrap and junk metal were observed on the land surface throughout the subject property. Although it is likely that the smaller anomalies consist of this junk and scrap metal, five locations - Areas 2, 4, 6, 7, and 9 - are large enough to contain transformers.

### **3.3 DRUM AND TOTE WASTE SAMPLING**

On January 21, 2010, Tetra Tech START personnel entered the welding shop in Level B PPE to collect background air monitoring data to select proper PPE for sampling. Tetra Tech START personnel used a MultiRAE four-gas meter with an internal photoionization detector (PID) and a Lumex 915 Plus mercury vapor analyzer (Lumex) to conduct the air monitoring. The MultiRAE unit was calibrated using a cocktail gas consisting of 25 part per million (PPM) hydrogen sulfide, 50 PPM carbon monoxide, 18 percent oxygen, and 25 percent (50 percent lower explosion limit (LEL) methane (Lot #: LTH159-MD-CM, expiration date August 2010) and isobutylene (Lot #: LTE059-MM-CM, expiration date February 2012). The Lumex was calibrated using the internal calibration mode. During RA activities in the welding shop, the PID readings ranged between 0.7 and 39.0 parts per million (ppm), oxygen readings were 21.9 percent (except for an apparent used oil drum in the northwestern corner of the building that registered a reading of 18.9 percent), and LEL and carbon monoxide readings were zero ppm. Lumex readings for mercury were observed only in the northeastern corner of a bermed area in the central portion of the building, near two supersacks labeled mercury waste. One supersack was labeled “mercury contaminated soil,” and Lumex readings peaked at 100 nanograms per cubic meter (ng/m<sup>3</sup>). The second supersack labeled “mercury containing equipment” was torn and Lumex readings peaked at 7,000 ng/m<sup>3</sup>. Further investigation of the supersacks by Tetra Tech START personnel revealed that the mercury-contaminated materials were wrapped with polyethylene sheeting and sealed with duct tape. Because the

supersacks were sealed at the time of sampling, Tetra Tech START personnel and OSC Gaughan decided to omit sampling of the mercury-contaminated soil.

Based on the air monitoring results and the omission of sampling the mercury contaminated soil, Tetra Tech START personnel donned Level C PPE to collect samples of drum and tote waste located inside the welding shop. Sample LF-DW-01 was collected from a blue plastic 55-gallon drum labeled “corrosive” located at the northern end of the welding shop. Sample LF-DW-02 was a composite sample collected from three white plastic 55-gallon drums located in the northwestern corner of the welding shop. Sample LF-TW-01 was a composite sample collected from three white totes located in the southeastern corner of the welding shop. Sample LF-TW-02 was a composite sample collected from two white totes labeled “PCB waste oil” located at the southern end of a bermed area in the center of the welding shop. The waste samples were collected in accordance with the EPA Region 4 SEDS Field Branches Quality System and Technical Procedures (FBQSTP), Waste Sampling Procedure (SESDPROC-302-R1). The waste samples were submitted to TestAmerica. Sample LF-DW-01 was analyzed for general chemistry parameters in accordance with SW-846 Method 9056/9030B/9034/9045D, total metals in accordance with SW-846 Method 6010B, and mercury in accordance with SW-846 Method 7471B. Samples LF-DW-02, LF-DW-03, and LF-TW-01 were analyzed for general chemistry parameters in accordance with SW-846 Method 1010, PCBs in accordance with SW-846 Method 8082, and semivolatile organic compounds (SVOCs) in accordance with SW-846 Method 8270C. Sample LF-TW-02 was analyzed for PCBs in accordance with SW-846 Method 8082. Figure 3E in Appendix A depicts the sampling locations inside the welding shop and Table 2 in Appendix B lists the analytical results for the waste samples.

### **3.4 CARBON DISULFIDE TANK VAULT SAMPLING**

On January 20, 2010, Tetra Tech START personnel collected two soil samples near the runoff area east of the former carbon disulfide tank vault (LF-VSW-03 and LF-VSW-06). The soil samples were collected in accordance with the EPA Region 4 SEDS FBQSTP, Soil Sampling Procedure (SESDPROC-300-R1) using disposable Terra Core 5-gram samplers. The soil samples were submitted to TestAmerica to be analyzed as soil samples for carbon disulfide in accordance with SW-846 Method 8260B. Also on January 20, 2010, Tetra Tech START personnel collected two aqueous waste samples: one inside the carbon disulfide tank vault (LF-VAW-01) and one from the runoff area east of the carbon disulfide tank vault (LF-VAW-02). A duplicate sample was collected from inside the carbon disulfide tank vault (LF-VAW-01-DUP) for quality assurance/quality control. The aqueous waste samples were collected in accordance with the EPA Region 4 SEDS FBQSTP, Wastewater Sampling Procedure (SESDPROC-306-R2). The aqueous waste samples were submitted to TestAmerica to be analyzed for volatile organic



compounds (VOC) in accordance with SW-846 Method 8260B. Figure 3B in Appendix A depicts the soil and aqueous waste sampling locations collected from the carbon disulfide tank vault, and Table 3 in Appendix B lists the analytical results.

At the time of the aqueous sampling inside the carbon disulfide tank vault, Tetra Tech START personnel observed a black oily substance rise to the surface of the standing liquid when the bottom sediment was disturbed. Tetra Tech START informed OSC Gaughan of the observations. In response, OSC Gaughan tasked Tetra Tech START personnel with collecting an aqueous waste sample of this oily material. On January 22, 2010, Tetra Tech START personnel agitated the bottom sediment in the carbon disulfide tank vault. When the oily substance reached the surface, an aqueous waste sample of the material (LF-VAW-03) was collected in accordance with the EPA Region 4 SESD FBQSTP, Wastewater Sampling Procedure (SESDPROC-306-R2). The aqueous waste sample was submitted to TestAmerica to be analyzed for VOCs in accordance with SW-846 Method 8260B. Figure 3B in Appendix A depicts the aqueous waste sample collected from the carbon disulfide tank vault and Table 3 in Appendix B lists the analytical results.

### **3.5 ACID NEUTRALIZATION PIT SAMPLING**

On January 20, 2010, Tetra Tech personnel collected five-point composite solid waste samples from the two former acid neutralization pits, which contain sludge from the former lye neutralization process. Two solid waste samples (LF-NPWW-01 and LF-NPWE-01) were collected from neutralization pit number 1 (east end and west end). A duplicate sample was collected from inside neutralization pit 1 (LF-NPWE-01-DUP) for quality assurance/quality control. Standing liquid was present in the western end of neutralization pit number 2; therefore, one solid waste sample (LF-NPW-02) was collected from the eastern end of neutralization pit number 2. The solid waste samples were collected in accordance with the EPA Region 4 SESD FBQSTP, Soil Sampling Procedure (SESDPROC-300-R1) using individually wrapped disposable plastic scoops and disposable aluminum pans. Materials collected for each sample that were not sent to the laboratory for analysis were returned to the sample locations. GPS coordinates were collected at each sampling location. The neutralization pit waste samples were submitted to TestAmerica to be analyzed for target analyte list (TAL) metals using EPA Method 6010C/7471B, including mercury; target compound list (TCL) volatile organic compounds (VOC) using Method 8260B; and TCL SVOCs using Method 8270B. In addition, the neutralization pit waste was analyzed for asbestos in accordance with the EPA Method 600/R-93-116, *Method for the Determination of Asbestos in Bulk Building Material* (July 1993). Figure 3B in Appendix A depicts the samples collected from the acid neutralization pits and Table 4 in Appendix B lists the analytical results of the solid waste samples.

### **3.6 PCM AIR SAMPLING**

RI, a Tetra Tech-procured subcontractor, conducted air monitoring on January 18 and 19, 2010, to assess the exposure of field personnel to airborne fibers during sampling, around the perimeter of the site to measure the concentration of airborne fiber levels potentially migrating from the site, and to establish a clean zone for decontamination. RI personnel initiated air monitoring before on-site sampling began to establish a baseline level for airborne fiber exposure. RI personnel used a Gillian GilAir 5 Tri-Mode air sampler with low-volume air sampling pumps to collect the area and personal air samples. The pumps were pre-calibrated to a flow rate ranging from 2.0 to 2.5 liters per minute (Lpm) using a factory-calibrated Environmental Monitoring Systems (EMS) Series VFB Visi-Float flow meter. A 25-millimeter (mm) PCM air cassette with a 0.8-micron filter was used for personal and area air sampling. PCM air samples were collected and analyzed in accordance with the National Institute for Occupational Safety and Health (NIOSH) 7400 Method.

On January 18, 2010, RI personnel collected five area air samples from stationary locations around the site perimeter and one mobile sample on a field vehicle as it traveled throughout the facility property. Results for the PCM analysis of these samples indicated asbestos concentrations ranging from 0.004 to 0.02 asbestos fibers per cubic centimeter (f/cc), which is below the Occupational Safety and Health Administration (OSHA) permissible exposure limit (PEL) of 0.1 asbestos f/cc. On January 19, 2010, RI personnel collected five area samples from stationary locations around the site and three personal samples on field members involved in individual tasks (GPR survey and bulk asbestos sampling). Results of the PCM analysis of these samples indicated asbestos concentrations in the range of 0.0021 to 0.084 asbestos f/cc, which is below the PEL of 0.1 asbestos f/cc. For each day of sampling, RI personnel collected two field blanks for quality assurance/quality control. Figure 3A in Appendix A depicts the PCM air sampling locations and Table 5 in Appendix B lists the numbers and locations of the PCM air samples collected, as well as the analytical results.

### **3.7 DEVIATIONS FROM SAP**

Unexpected deviations from the SAP were encountered during field activities. Specifically, samples identified in the SAP, but were not collected during the RA activities based on conversations between Tetra Tech START personnel and OSC Perry Gaughan include LF-VSW-04, LF-VSW-05, LF-VSW-07, LF-VSW-08, LF-VSW-09, and LF-VSW-10. On January 21, 2010, while conducting geophysical survey activities northwest of the clarifier, Tetra Tech START personnel observed an area of stained soil and stressed vegetation. As a result, surface soil sample LF-SS-01 was collected and submitted to



TestAmerica for SVOC and PCB analyses. The soil sample was collected in accordance with the EPA Region 4 SEDS FBQSTP for Soil Sampling, SEDSPROC-300-R1. In addition, the SAP indicated that air monitoring would continue throughout sampling. However, based on daily rain events and the results of the data collected during the initial RA activities, air monitoring was discontinued after January 19, 2010.

## 4.0 ANALYTICAL METHODOLOGY, DATA VALIDATION, AND ANALYTICAL RESULTS

### 4.1 ANALYTICAL SUPPORT AND METHODOLOGY

Tetra Tech procured Resolution Incorporated (RI) to conduct air monitoring to assess the exposure of field personnel to airborne fibers during sampling, around the perimeter of the site to measure the concentration of airborne fiber levels potentially migrating from the site, and to establish a clean zone for decontamination. Results of the PCM analysis of these samples indicated asbestos concentrations in the range of 0.0021 to 0.084 asbestos f/cc, which is below the PEL of 0.1 asbestos f/cc. Data validation was not performed on the RI asbestos analytical results.

Tetra Tech procured TestAmerica Laboratories, Inc. (TestAmerica), of Nashville, Tennessee, to analyze the bulk samples collected at the Liberty Fibers site. TestAmerica used a subcontract laboratory, EMLab P&K of Cherry Hill, New Jersey, to analyze the bulk samples for asbestos content.

The bulk asbestos samples were analyzed using the following methods:

- EPA Method 600/M4-82-020 - *Interim Method for the Determination of Asbestos in Bulk Insulation Samples* (October 1982)
- EPA Method 600/R-93-116 - *Method for the Determination of Asbestos in Bulk Building Material* (July 1993)

Solid and aqueous waste samples, as well as, soil samples collected during the RA were analyzed by TestAmerica. The waste samples collected from drums and totes located in the welding shop were analyzed using the following methods:

- Waste sample LF-DW-01 was analyzed for general chemistry by SW-846 Method 9056/9030B/9034/9045D and RCRA metals by SW-846 Method 6010B
- Waste samples LF-DW-02, LF-DW-03, and LF-TW-01 were analyzed for SVOCs by EPA SW-846 Method 8270C and PCBs by SW-846 Method 8082
- Waste sample LF-TW-02 was sampled for PCBs by SW-846 Method 8082

Soil and aqueous waste samples collected from the carbon disulfide tank vault were analyzed for VOCs using EPA SW-846 Method 8260B (soil samples with Collection Method 5035B).

Selected soil and waste samples collected from the acid neutralization pit were analyzed for the following parameters:

- VOCs by EPA SW-846 Method 8260B (with Collection Method 5035B)
- SVOCs by EPA SW-846 Method 8270C
- PCBs by SW-846 Method 8082
- RCRA metals and mercury by EPA SW-846 Method 6010C/7471B

VOC soil sampling by collection method 5030B utilizes a disposable Terra Core sampler to minimize volatilization. The Terra Core sampler is a one-time use transfer tool, designed to take soil samples and transfer them to the appropriate containers for in-field preservation. The Terra Core sampler collects an approximate 5-gram sample, which is then transferred to one of three 40-mililiter (mL) vials that contain either sodium bisulfate or methanol preservatives, and a Teflon stirring bar. A new Terra Core sampler was used at each sampling location.

TestAmerica provided a 48-hour turnaround time for preliminary results and a 15 business day turnaround time for final results. In addition, TestAmerica provided a Level 4 data package.

Tetra Tech conducted data validation of the TestAmerica analytical data packages and the Tetra Tech data validation reports are provided in Appendix E. The analytical data packages as received from the laboratory are provided in Appendix F.

## **4.2 ANALYTICAL DATA QUALITY AND DATA QUALIFIERS**

The text and analytical data tables presented in this RA report provide some concentrations of inorganic and organic parameters as qualified with a “J”, “J+”, “J-”, or “U.” The “J” notation indicates that the analyte was positively identified; however, the reported value is an estimate. The “J+” notation indicates that the analyte was positively identified; however, the reported value is an estimate and is possibly biased high. The “J-” notation indicates that the analyte was positively identified; however, the reported value is an estimate and is possibly biased low. The “U” notation indicates that the analyte was analyzed for but not detected; the number reported is the laboratory-derived reporting limit for the constituent in

that sample. Analytical data sheets with hand entered data qualifiers are contained in Enclosure 1 of Appendix E. The complete analytical data set as received from the laboratory is provided in Appendix F.

### 4.3 ANALYTICAL RESULTS

Tetra Tech START collected 90 bulk samples for asbestos. Analysis of these bulk samples identified 28 samples with an asbestos content of more than 1 percent asbestos. An additional six samples were identified with less than 1 percent asbestos. Types of asbestos identified included chrysotile, amosite, and anthophyllite. Figures 3B, 3C, 3D, 3E, 3F, and 3G in Appendix A depict the locations of the bulk samples collected throughout the site. Table 1 in Appendix B contains the summary of laboratory results for bulk samples collected during the site assessment. Laboratory analytical results are located in Appendix F.

Several constituents including 2-methylnaphthalene, PCB Aroclor 1260, aluminum, calcium, chromium, iron, magnesium, manganese, and selenium; and general chemistry constituents including pH, chloride, nitrite as nitrogen, and sulfate were detected above the laboratory detection limits in the drum and tote waste samples (see Table 2 in Appendix A). The aqueous drum waste sample, LF-DW-01, had a pH of 1.10, indicating that it may be corrosive based on a pH of <2 for corrosive hazardous waste. The EPA Toxicity Characteristics Leaching Procedure (TCLP) regulatory limits were used as the comparison criteria for waste samples collected from drums and totes. In the table, sample-specific concentrations in non-aqueous waste samples were used to estimate leachate concentrations for comparison to their respective TCLP regulatory level. The estimated maximum TCLP value assumes a fully leachable contaminant and uses a 20:1 ratio of sample concentration to leachate concentration as specified in TCLP Test Method 1311 of SW-846. The TCLP concentrations listed do not indicate actual levels, but are estimates of the potential for a material to exhibit the toxicity characteristic of hazardous waste. No constituents were detected at concentrations exceeding their respective TCLP regulatory level. Figure 3E in Appendix A depicts the locations of the waste samples collected from drums and totes located in the welding shop and storage building. Table 2 in Appendix B lists the analytical results for the waste samples collected from drums and totes located in the welding shop and storage building and the laboratory analytical results are located in Appendix F.

Several VOCs including acetone, carbon disulfide, cyclohexane, and toluene were detected above the laboratory detection limits in the soil and aqueous waste samples collected in the carbon disulfide tank vault and the drainage area. Concentrations of VOCs detected in waste samples collected from the carbon disulfide tank vault were compared to EPA Region 4 removal action levels (RAL) for worker soil and tap water because TCLP regulatory limits have not been established for the detected VOCs. VOCs detected in the soil and aqueous samples collected from the carbon disulfide tank vault were below their respective EPA Region 4 RALs.

Figure 3B in Appendix A depicts the soil and aqueous waste sampling locations collected from the carbon disulfide tank vault and Table 3 in Appendix B lists the analytical results. Laboratory analytical results are located in Appendix F.

Several VOCs including 2-butanone, 2-hexanone, acetone, and carbon disulfide; SVOCs including benzo(a)anthracene, chrysene, dibenzofuran and pyrene; and metals including aluminum, barium, calcium, chromium, copper, iron, lead, magnesium, manganese, mercury, and zinc were detected above the laboratory detection limits in the waste samples collected from the acid neutralization pits. These detections were below their respective EPA Region 4 RALs. Figure 3B in Appendix A depicts the samples collected from the acid neutralization pits and Table 4 in Appendix B lists the analytical results of the solid waste samples. Laboratory analytical results are located in Appendix F.

Results of the PCM analysis of the personal and perimeter air samples indicated asbestos fiber concentrations that were below the OSHA PEL of 0.1 asbestos f/cc. Table 5 in Appendix B lists the numbers and locations of the PCM air samples collected, as well as the analytical results. Table 5 in Appendix B lists the numbers and locations of the PCM air samples collected, as well as the analytical results.

Analyses of the surface soil sample collected from the area of stained soil and stressed vegetation revealed the presence of PCB-1242 as well as several SVOCs including anthracene, benzo(a)pyrene, chrysene, phenanthrene, and pyrene among others. The concentrations of PCB-1242 and SVOCs detected in the surface soil sample were not above their respective EPA Region 4 RALs. Figure 3G in Appendix A depicts the location of the surface soil sample and Table 6 in Appendix B lists the analytical results. The laboratory analytical data results are located in Appendix F.

## **5.0 REMOVAL ASSESSMENT SUMMARY AND CONCLUSIONS**

On January 18, 2010, Tetra Tech START mobilized to the Liberty Fibers site to conduct a site walk through prior to implementing RA activities. This walkthrough to established areas of concern for buried transformers and identified sampling locations for potential ACM. On January 19, 2010, Tetra Tech START, RI, and Enviroprobe personnel met on site to begin the RA activities.

RA activities included six primary objectives: collecting bulk asbestos samples; conducting a geophysical investigation in an attempt to identify the locations of possible buried transformers; collecting aqueous and solid waste samples from the carbon disulfide tank vault and surrounding area; collecting solid waste samples from two neutralization pits; collecting waste samples from on-site drums

and totes; and collecting personal and area air samples for PCM analysis to evaluate the level of exposure of site personnel to airborne asbestos fibers during the assessment and to determine the level of concentration of airborne asbestos fibers that may be migrating off site. These objectives are discussed further in Section 3.0.

During the RA, Tetra Tech conducted the following:

- Tetra Tech collected 90 bulk samples for asbestos analysis. Results identified 28 samples with an asbestos content of more than 1 percent asbestos. Six additional samples were identified with less than 1 percent asbestos.
- The geophysical investigation identified several anomalies in Areas 2, 4, 5, 6, 7, and 9. Abundant scrap and junk metal were observed on the land surface throughout the subject property. Although it is likely that the smaller anomalies primarily consist of this junk and scrap metal, five locations - Areas 2, 4, 6, 7, and 9 - are large enough to contain transformers.
- Tetra Tech identified numerous drums and totes in the welding shop and one storage building at the site. Sample LF-DW-01 collected from a drum inside the welding shop had a pH of 1.10, which may indicate a characteristic of corrosivity. Hazardous substances detected in the drum and tote samples were not detected above their respective TCLP regulatory limits.
- Tetra Tech collected soil and aqueous waste samples from the on-site carbon disulfide tank vault. Several VOCs were detected above the laboratory detection limits in the soil and aqueous samples. However, the VOC concentrations of the detected compounds were below their applicable EPA Region 4 RALs for worker soil and tap water, respectively.
- Tetra Tech collected waste samples from the acid neutralization pits located on site. Several VOCs, SVOCs, and RCRA metals were detected above the laboratory detection limits in the waste samples. However, the concentrations of the detected compounds were below their respective EPA Region 4 RALs for worker soil.
- Results of the PCM analysis indicated asbestos fiber concentrations that were below the OSHA PEL of 0.1 asbestos f/cc.
- PCB-1242 was detected in the surface soil sample collected northwest of the on-site clarifier. However, PCB-1241 was not detected in on-site soils above the EPA Region 4 RAL for worker soil.

## **APPENDIX A**

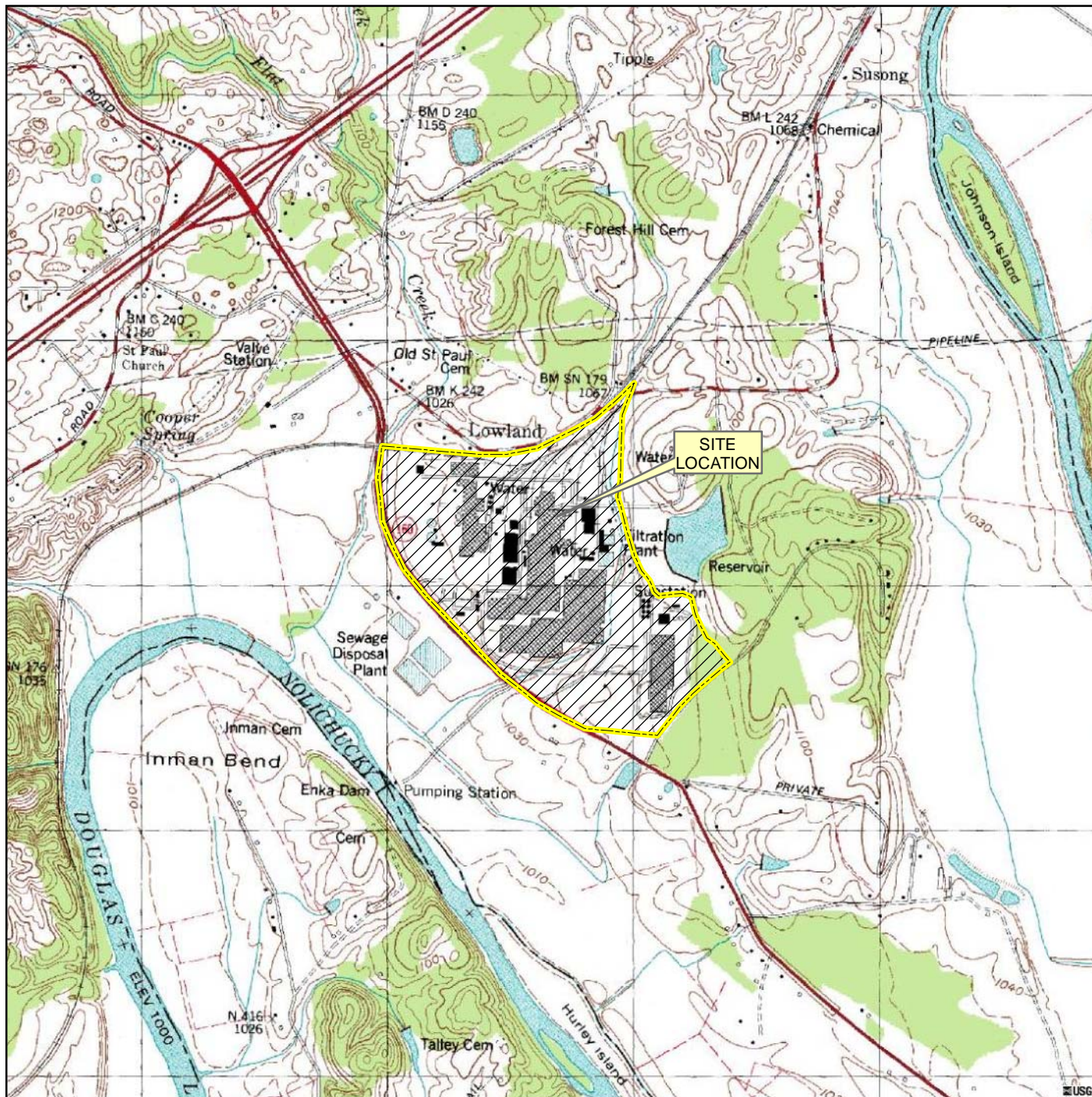
### **FIGURES**

(10 Pages)

#### **FIGURE**

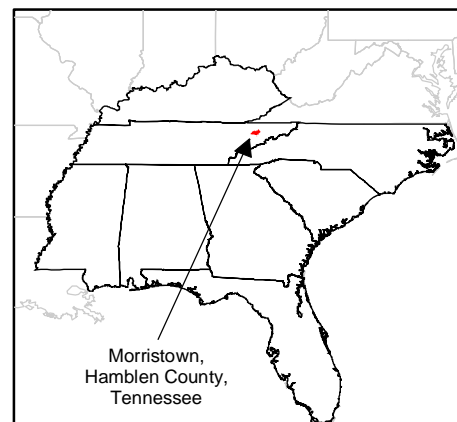
- 1 SITE LOCATION
- 2 SITE LAYOUT
- 3A GENERAL SITE SAMPLING AND SURVEY LOCATIONS
- 3B SUBSECTION OF GENERAL SITE SAMPLING AND SURVEY LOCATIONS
- 3C SUBSECTION OF GENERAL SITE SAMPLING AND SURVEY LOCATIONS
- 3D SUBSECTION OF GENERAL SITE SAMPLING AND SURVEY LOCATIONS
- 3E SUBSECTION OF GENERAL SITE SAMPLING AND SURVEY LOCATIONS
- 3F SUBSECTION OF GENERAL SITE SAMPLING AND SURVEY LOCATIONS
- 3G SUBSECTION OF GENERAL SITE SAMPLING AND SURVEY LOCATIONS
- 4 GEOPHYSICAL INVESTIGATION ANOMOLIES





0 1,000 2,000  
Feet  
1:24,000

MAP SOURCE:  
USGS, SPRINGVALE, TN  
TOPOGRAPHIC QUADRANGLE, 1981



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HAMBLEN COUNTY,  
TENNESSEE  
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**FIGURE 1  
SITE LOCATION**



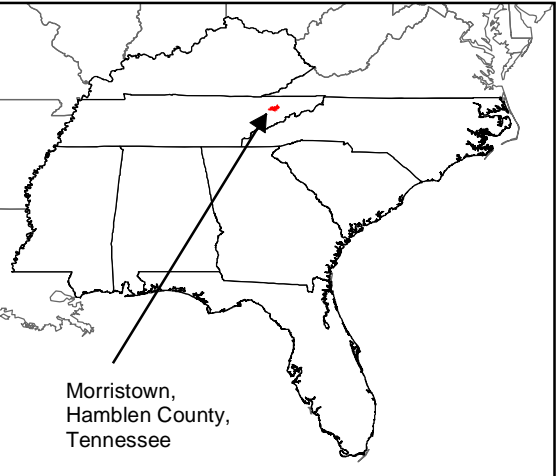
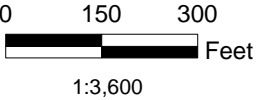




**LEGEND**

- Existing Structure
- Former Structure
- Approximate Property Boundary

Aerial Image Source:  
04/2008 GlobeXplorer



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**FIGURE 2  
SITE LAYOUT**



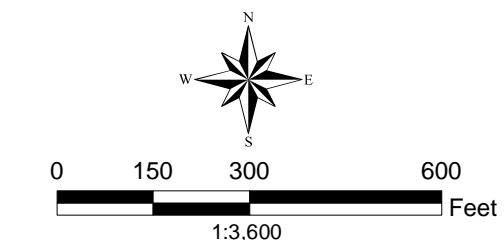
2010-5-13 GIS Workspace\TTEMI-05-003-0041 LIBERTY\_FIBERS\Figures\GIS\MXD\Site Layout Maps\LIBERTY\_FIBERS\_SITE\_LAYOUT\_11X17\_05-13-10.mxd TTEMI-KY date.vonbusch



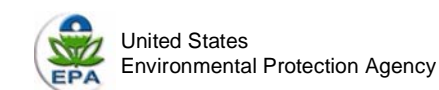
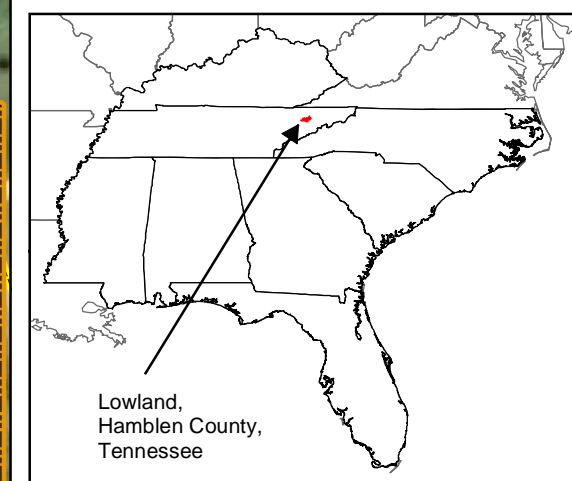


# LEGEND

- ▲ Perimeter Ambient Air Sample
- ◆ Neutralization Pit Waste Sample
- ★ Geophysical Survey Anomaly
- Asbestos Sample
- Vault Aqueous/Solid Waste Sample
- Existing Structure
- ▨ Former Structure
- Approximate Property Boundary
- Area Depicting Related Sub-Figure



Aerial Image Source: 04/2008 GlobeXplorer



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## FIGURE 3A SURVEY AND SAMPLING LOCATION AREAS



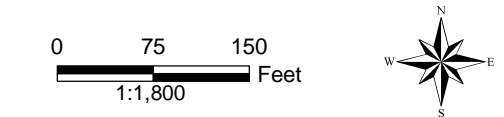




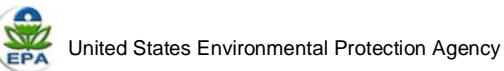
**Legend**

- Asbestos Sample (>1%, Friable)
- Asbestos Sample (>1%, Non-friable)
- Asbestos Sample (<1%, Friable)
- Asbestos Sample (<1%, Non-Friable)
- Asbestos Sample (Non-detect)
- Neutralization Pit Sample
- Perimeter Ambient Air Sample
- Vault Aqueous/Solid Sample
- Existing Structure
- Former Structure

Note: AA Ambient Air  
AS Asbestos  
LF Liberty Fibers  
NPW Neutralization Pit Waste  
NPWE Neutralization Pit Waste East  
NPWW Neutralization Pit Waste West  
P Perimeter  
VAW Vault Aqueous Waste  
VSW Vault Solid Waste



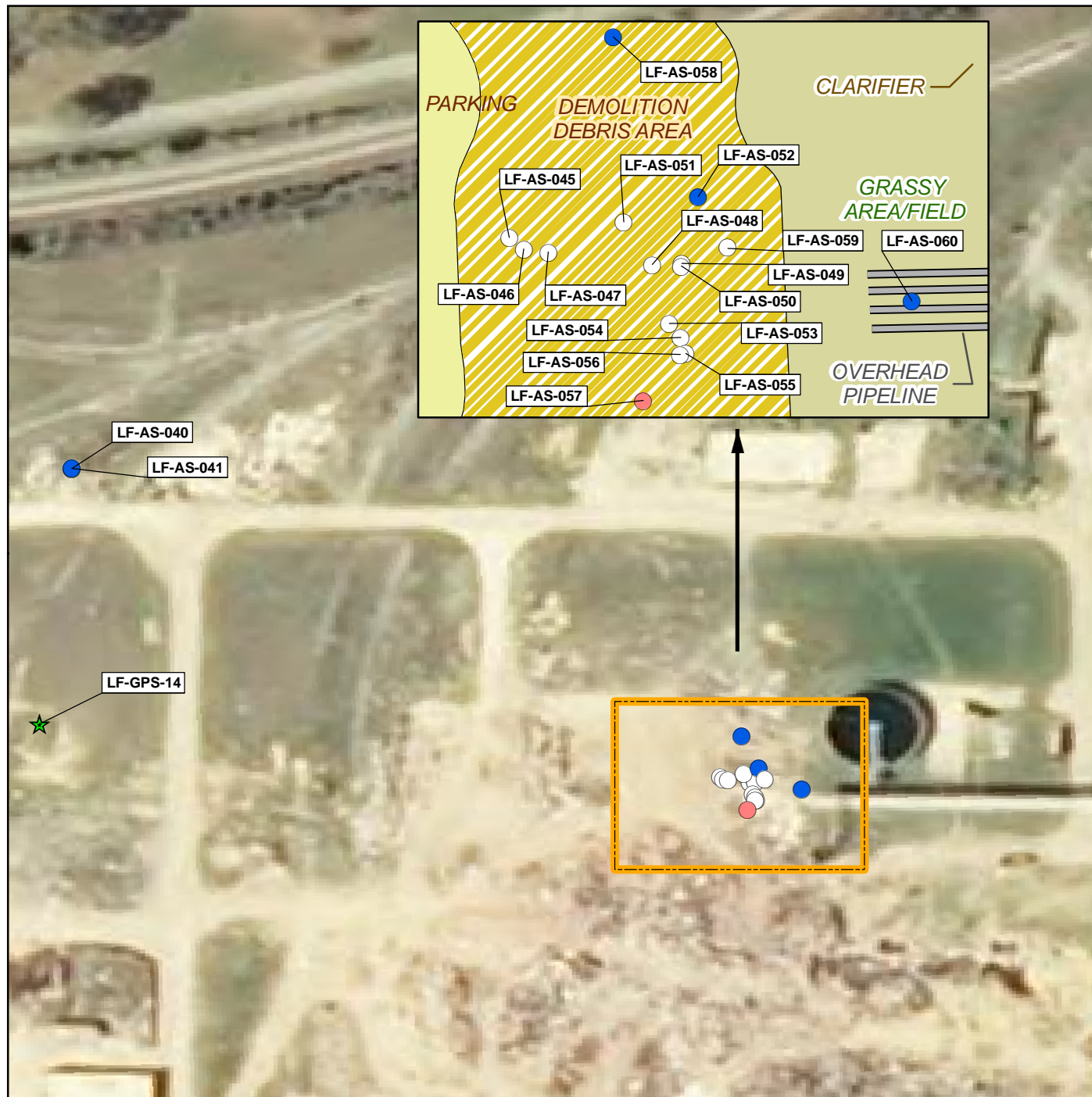
Aerial Image Source: 04/2008 GlobeExplorer



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**FIGURE 3B  
SURVEY AND SAMPLING  
LOCATIONS**





### Legend

- Asbestos Sample (>1%, Friable)
- Asbestos Sample (>1%, Non-friable)
- Asbestos Sample (<1%, Friable)
- Asbestos Sample (<1%, Non-Friable)
- Asbestos Sample (Non-detect)
- ★ Geophysical Survey Anomaly

Note: AA      Ambient Air  
 AS      Asbestos  
 GPS      GPR located area of possible transformer  
 LF      Liberty Fibers

0      75      150  
 1:1,800      Feet



Aerial Image Source: 04/2008 GlobeExplorer



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 HAMLEN COUNTY,  
 TENNESSEE  
 TDD No. TTEMI-05-003-0041

**FIGURE 3C  
 SURVEY AND SAMPLING  
 LOCATIONS**





### Legend

- Asbestos Sample (>1%, Friable)
- Asbestos Sample (>1%, Non-friable)
- Asbestos Sample (<1%, Friable)
- Asbestos Sample (<1%, Non-Friable)
- Asbestos Sample (Non-detect)
- ▲ Perimeter Ambient Air Sample
- ★ Geophysical Survey Anomaly
- Existing Structure

Note: AA Ambient Air  
 AS Asbestos  
 GPS GPR located area of possible transformer  
 LF Liberty Fibers  
 P Perimeter

0 75 150 Feet  
 1:1,800



Aerial Image Source: 04/2008 GlobeExplorer



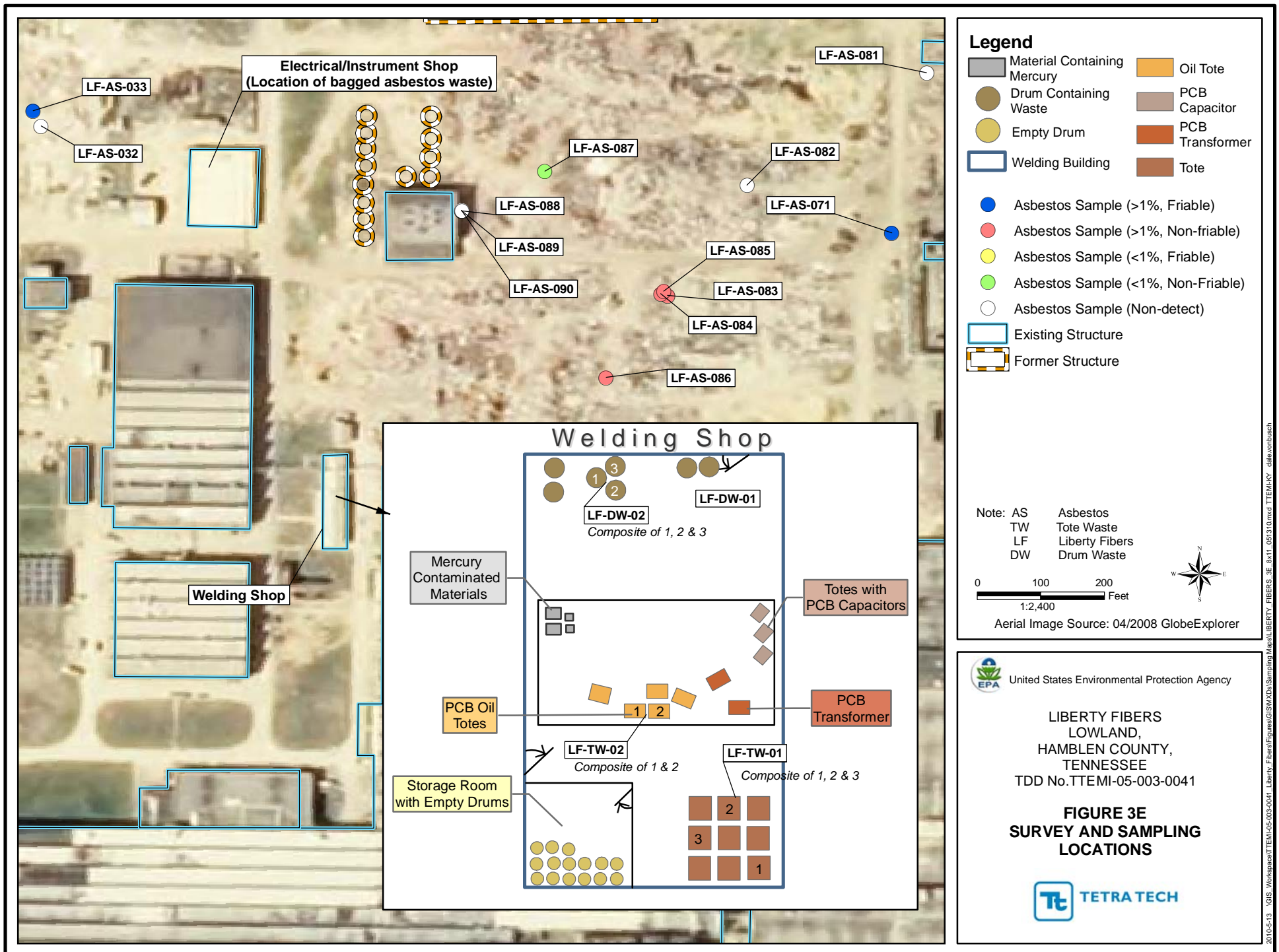
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 TENNESSEE  
 TDD No. TTEMI-05-003-0041

### FIGURE 3D SURVEY AND SAMPLING LOCATIONS









## Legend

- Asbestos Sample (>1%, Friable)
- Asbestos Sample (>1%, Non-friable)
- Asbestos Sample (<1%, Friable)
- Asbestos Sample (<1%, Non-Friable)
- Asbestos Sample (Non-detect)
- ▲ Perimeter Ambient Air Sample
- ◆ Drum Waste Sample
- Existing Structure
- Former Structure

Note: AA      Ambient Air  
 AS      Asbestos  
 DW      Drum Waste  
 LF      Liberty Fibers  
 P      Perimeter

0      75      150  
 Feet  
 1:1,800



Aerial Image Source: 04/2008 GlobeExplorer



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 LOWLAND,  
 HAMBLEN COUNTY,  
 TENNESSEE  
 TDD No. TTEMI-05-003-0041

## FIGURE 3F SURVEY AND SAMPLING LOCATIONS





## Legend

- Asbestos Sample (>1%, Friable)
- Asbestos Sample (>1%, Non-friable)
- Asbestos Sample (<1%, Friable)
- Asbestos Sample (<1%, Non-Friable)
- Asbestos Sample (Non-detect)
- ★ Geophysical Survey Anomaly
- Existing Structure
- Former Structure

Note: AS      Asbestos  
 GPS      GPR located area of  
 LF      possible transformer  
             Liberty Fibers

0      50      100  
 1:1,200      Feet



Aerial Image Source: 04/2008 GlobeExplorer



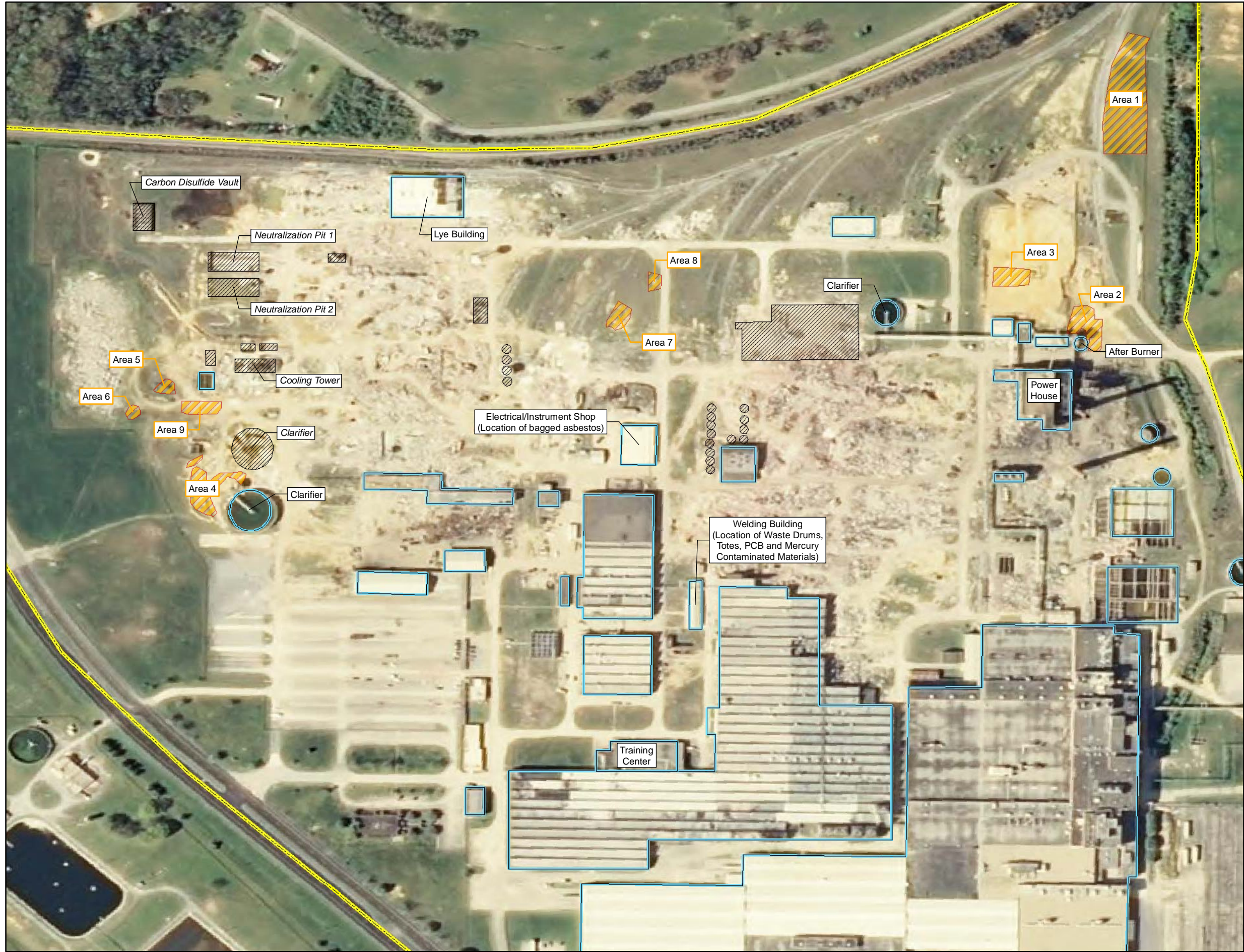
United States Environmental Protection Agency

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 LOWLAND,  
 HAMLEN COUNTY,  
 TENNESSEE  
 TDD No. TTEMI-05-003-0041

**FIGURE 3G  
 SURVEY AND SAMPLING  
 LOCATIONS**



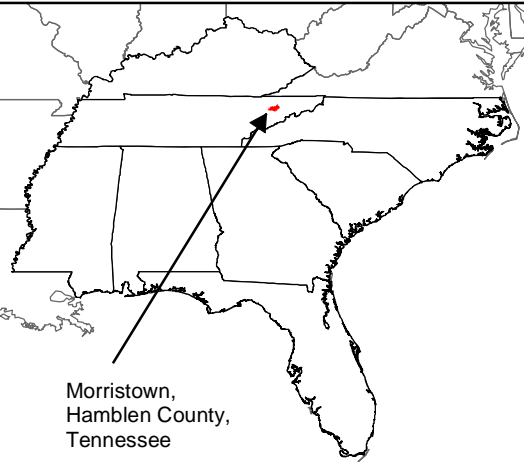
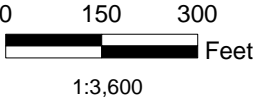




**LEGEND**

- Ground Penetrating Radar Anomaly Area
- Existing Structure
- Former Structure
- Approximate Property Boundary

Aerial Image Source:  
04/2008 GlobeXplorer



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TENNESSEE  
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**FIGURE 4**  
**GEOPHYSICAL INVESTIGATION**  
**ANOMALY AREAS**



2010-5-13 GIS Workspace\\TTEMI-05-003-0041 LIBERTY\_FIBERS\\Figures\\GIS\\MXDs\\Site Layout Maps\\LIBERTY\_FIBERS\_GPR\_ANOMALY AREAS\_11x17\_05-13-10.mxd TTEMI-KY dale.vorbusch



**APPENDIX B**  
**SAMPLING SUMMARY TABLES**  
(13 Pages)

**TABLE**

1	BULK ASBESTOS SAMPLING RESULTS
2	DRUM AND TOTE SAMPLING RESULTS
3	CARBON DISULFIDE TANK VAULT SAMPLING RESULTS
4	ACID NEUTRALIZATION PIT SAMPLING RESULTS
5	PCM AIR SAMPLING ANALYTICAL RESULTS
6	SURFACE SOIL SAMPLING RESULTS

**TABLE 1**  
**LABORATORY ANALYTICAL RESULTS**  
**FOR BULK SAMPLES**

Sample Designation	Sample Description	Sample Layers	Asbestos Fiber Content	Non-Asbestos Fiber Content
LF-AS-001	Roofing material	Black semi-fibrous material	None detected	30% Synthetic fibers <1% Cellulose
LF-AS-002	Fiberglass pipe insulation with white paper wrap	Multicolored semi-fibrous material/Silver foil	None detected (both)	30% Cellulose (both) 35% Mineral wool (both)
LF-AS-003	Roofing material	Brown/black semi-fibrous material	25% Chrysotile	2% Cellulose
LF-AS-004	Pre-cast, mudded pipe insulation with canvas wrap on ground	White semi-fibrous material	25% Amosite <1% Chrysotile	None listed
LF-AS-005	Pre-cast, mudded pipe insulation with canvas wrap	Multicolored semi-fibrous material	25% Amosite <1% Chrysotile	5% Cellulose 5% Cotton
LF-AS-006	Pre-cast, mudded pipe insulation with canvas wrap	Multicolored semi-fibrous material	10% Amosite 15% Chrysotile	5% Cellulose <1% Cotton
LF-AS-007	Roofing material	Black semi-fibrous material	<1% Amosite	15% Glass fibers
LF-AS-008	Roofing material with gray felt	Multicolored fibrous material	None detected	75% Synthetic fibers
LF-AS-009	Fire hose	Beige fibrous material	<1% Amosite	2% Cellulose 2% Glass fibers 75 % Synthetic fibers
LF-AS-010	Pre-cast, mudded pipe insulation with canvas wrap	White semi-fibrous material	None detected	25% Cellulose 20 % Glass fibers
LF-AS-011	Pre-cast, mudded pipe insulation with canvas wrap	Beige semi-fibrous material/White semi-fibrous material	None detected (both)	15% Cellulose (both) 10% Glass fibers (both)
LF-AS-012	Weathered insulation mixed with demolition debris	Cream non-fibrous material	None detected	None listed
LF-AS-013	Weathered blue insulation with canvas wrap	Multicolored semi-fibrous material	5% Chrysotile	21% Glass fibers 10% Synthetic fibers
LF-AS-014	Roofing material	Black semi-fibrous material with multicolored pebbles	15% Chrysotile	2% Cellulose <1% Glass fibers
LF-AS-015	Demolition debris mixed with roofing material	Multicolored semi-fibrous material	None detected	<1% Cellulose 10% Glass fibers

**TABLE 1**  
**LABORATORY ANALYTICAL RESULTS**  
**FOR BULK SAMPLES**

Sample Designation	Sample Description	Sample Layers	Asbestos Fiber Content	Non-Asbestos Fiber Content
LF-AS-016	Weathered blue insulation with metal jacket	Multicolored semi-fibrous material	None detected	2% Cellulose 5% Mineral wool 5% Synthetic fibers
LF-AS-017	Fiberglass insulation with black vapor barrier	Multicolored fibrous material	None detected	5% Cellulose 80% Glass fibers
LF-AS-018	Brown/off-white weathered insulation	Multicolored non-fibrous material	None detected	<1% Cellulose <1% Mineral wool
LF-AS-019	Mudded pipe insulation with canvas wrap	Black non-fibrous material	None detected	2% Cellulose
LF-AS-020	Weathered coal slag debris	Cream semi-fibrous material	None detected	15% Cellulose
LF-AS-021	Light gray roofing felt	Multicolored fibrous material	<1% Chrysotile	90% Synthetic fibers
LF-AS-022	Roofing material	Black semi-fibrous material	None detected	5% Glass fibers 10% Synthetic fibers
LF-AS-023	Roofing material	Black semi-fibrous material	20% Chrysotile	15% Cellulose
LF-AS-024	Pipe insulation wrap with vapor barrier	Multicolored semi-fibrous material	2% Chrysotile	5% Cellulose 10% Glass fibers
LF-AS-025	Roofing material	Black semi-fibrous material	None detected	2% Cellulose 20% Synthetic fibers
LF-AS-026	Roofing material	Brown semi-fibrous material	None detected	5% Cellulose 15% Glass fibers
LF-AS-027	Roofing material	Yellow semi-fibrous material	None detected	3% Cellulose 5% Mineral wool
LF-AS-028	Weathered blue insulation	Black semi-fibrous material/Multicolored semi-fibrous material	15% Chrysotile (black) None detected (multicolored)	2% Cellulose (both) 20% Synthetic fibers (both)
LF-AS-029	One and one half inch Transite pipe	Black non-fibrous material	None detected	None listed
LF-AS-030	Fragmented Transite pipe	Brown non-fibrous material	50% Anthophyllite	None listed
LF-AS-031	Fragmented poly-woven pipe	Beige semi-fibrous material	None detected	50% Glass fibers
LF-AS-032	Black felt and tar vapor barrier	Black roofing felt/Black roofing tar	None detected (both)	15% Cellulose (both)
LF-AS-033	Gray fibrous insulation with canvas backing	Multicolored semi-fibrous material	20% Amosite 7% Chrysotile	<1% Glass fibers

**TABLE 1**  
**LABORATORY ANALYTICAL RESULTS**  
**FOR BULK SAMPLES**

Sample Designation	Sample Description	Sample Layers	Asbestos Fiber Content	Non-Asbestos Fiber Content
LF-AS-034	Pre-cast mudded pipe insulation with metal cover	White semi-fibrous material	None detected	10% Cellulose
LF-AS-035	Blue weathered pipe insulation with metal cover	Purple semi-fibrous material	None detected	<1% Cellulose <1% Glass fibers 10% Polyester
LF-AS-036	Pre-cast mudded pipe insulation with metal cover	Beige semi-fibrous material	None detected	15% Cellulose
LF-AS-037	Roofing material with mudded layer	Multicolored semi-fibrous material	None detected	10% Cellulose <1% Glass fibers
LF-AS-038	Roofing material with mudded layer	Black tar/Multicolored semi-fibrous material	None detected (both)	15% Cellulose (both) 5% Glass fibers (both)
LF-AS-039	Pre-cast mudded pipe insulation with canvas wrap and metal cover	Tan semi-fibrous material	None detected	15% Cellulose <1% Glass fibers 10% Polyester
LF-AS-040	Weathered mudded pipe insulation with pink tint	Multicolored semi-fibrous material	15% Amosite 5% Chrysotile	<1% Glass fibers 5% Mineral wool
LF-AS-041	Weathered mudded pipe insulation with canvas wrap	Multicolored semi-fibrous material	15% Chrysotile	25% Cotton 8% Glass fibers
LF-AS-042	Neutralization pit 1 (west)	Multicolored non-fibrous material	None detected	<1% Cellulose
LF-AS-043	Neutralization pit 1 (east)	Multicolored non-fibrous material	None detected	<1% Cellulose
LF-AS-044	Neutralization pit 2	Tan non-fibrous material	None detected	None listed
LF-AS-045	Weathered mudded pipe insulation with brown/reddish tint	Brown semi-fibrous material	None detected	2% Glass fibers 3% Polyester <1% Synthetic fibers
LF-AS-046	Weathered blue, pre-cast, mudded pipe insulation	Purple semi-fibrous material	None detected	<1% Cellulose 2% Glass fibers 10% Polyester <1% Synthetic fibers
LF-AS-047	Weathered white, pre-cast, mudded pipe insulation	Off-white semi-fibrous material	None detected	15% Cellulose
LF-AS-048	Weathered dark beige, pre-cast, mudded pipe insulation	Yellow semi-fibrous material	None detected	15% Cellulose 4% Glass fibers

**TABLE 1**  
**LABORATORY ANALYTICAL RESULTS**  
**FOR BULK SAMPLES**

Sample Designation	Sample Description	Sample Layers	Asbestos Fiber Content	Non-Asbestos Fiber Content
LF-AS-049	Weathered white, pre-cast, mudded pipe insulation	Off-white semi-fibrous material	None detected	20% Cellulose
LF-AS-050	Weathered blue, pre-cast, mudded pipe insulation	Purple semi-fibrous material	None detected	2% Glass fibers
LF-AS-051	Black powderlike material	Black non-fibrous material	None detected	<1% Cellulose
LF-AS-052	Roofing material with weathered gray/pink pipe insulation	Black semi-fibrous material/Black non-fibrous material	20% Amosite (semi-fibrous) 5% Chrysotile (semi-fibrous) 10% Chrysotile (non-fibrous)	<1% Cellulose (both)
LF-AS-053	Weathered white, pre-cast, mudded pipe insulation	Off-white semi-fibrous material	None detected	15% Cellulose
LF-AS-054	Weathered dark yellow, pre-cast, mudded, pipe insulation	Yellow semi-fibrous material	None detected	15% Cellulose 5% Glass fibers
LF-AS-055	Weathered blue, pre-cast, mudded pipe insulation	Purple semi-fibrous material	None detected	2% Glass fibers 10% Polyester
LF-AS-056	Weathered orange, pre-cast, mudded pipe insulation	Brown semi-fibrous material	None detected	3% Glass fibers 10% Polyester
LF-AS-057	Roofing material	Black tar	5% Chrysotile	15% Cellulose 5% Glass fibers
LF-AS-058	Roofing material with gray fibrous material	Black tar/Brown semi-fibrous material	None detected (tar) 10% Chrysotile (material)	5% Cellulose (both) <1% Glass fibers (both) 65% Mineral wool (both)
LF-AS-059	White pre-cast, mudded, pipe insulation with metal jacket	Off-white semi-fibrous material	None detected	15% Cellulose (both) 2% Glass fibers 3% Polyester
LF-AS-060	White pre-cast, mudded, pipe insulation laying under pipe	Beige semi-fibrous material	30% Amosite 10% Chrysotile	None listed
LF-AS-061	Damaged white/pink, mudded, pipe elbow insulation with canvas wrap	Multicolored semi-fibrous material	25% Amosite 2% Chrysotile	5% Glass fibers
LF-AS-062	White, mudded, pipe insulation with deteriorated canvas wrap	Multicolored tar layer/Multicolored semi-fibrous material	None detected (both)	15% Cellulose (both) 5% Glass fibers (both) 2% Wollastonite (both)

**TABLE 1**  
**LABORATORY ANALYTICAL RESULTS**  
**FOR BULK SAMPLES**

Sample Designation	Sample Description	Sample Layers	Asbestos Fiber Content	Non-Asbestos Fiber Content
LF-AS-063	White, mudded, pipe elbow insulation with canvas wrap	Tan semi-fibrous material/Multicolored semi-fibrous material	None detected (tan) 3% Chrysotile (multicolored)	5% Glass fibers (both) 4% Polyester (both) 2% Synthetic fibers (both) 3% Talc (both) <1% Wollastonite (both)
LF-AS-064	Blue/white, pre-cast, mudded pipe insulation inside outer blue pipe insulation	White semi-fibrous material/Purple semi-fibrous material	None detected (both)	15% Polyester (both)
LF-AS-065	White pre-cast, mudded, pipe insulation with metal jacket	White semi-fibrous material	None detected	25% Cellulose 3% Glass fibers
LF-AS-066	Damaged blue, mudded, pipe insulation with metal jacket	Purple semi-fibrous material	None detected	15% Polyester
LF-AS-067	Detriorated insulation from afterburner	Black foam/Black semi-fibrous material/Gray/black semi-fibrous material/Beige semi-fibrous material	None detected (foam, gray/black, & beige) 25% Chrysotile (black)	<1% Glass fibers (all) 5% Wollastonite (all)
LF-AS-068	Mudded pipe elbow insulation from ground	Tan semi-fibrous material	20% Amosite 3% Chrysotile	None listed
LF-AS-069	Mudded, pre-cast, pipe elbow insulation with black wrap	Black tar layer/Gray semi-fibrous material/White semi-fibrous material	<1% Amosite (tar) <1% Chrysotile (tar) None detected (gray & white)	20% Cellulose (all) 5% Glass fibers (all) 25% Mineral wool (all) <1% Talc (all) <1% Wollastonite (all)
LF-AS-070	White pre-cast, mudded, pipe insulation with metal jacket	White semi-fibrous material	None detected	2% Glass fibers 15% Polyester
LF-AS-071	Weathered, pre-cast, pipe insulation on ground	Gray semi-fibrous material	25% Amosite 3% Chrysotile	None listed
LF-AS-072	Weathered, blue, pre-cast, mudded, pipe insulation with paper wrap and metal jacket	Gray semi-fibrous material/Purple semi-fibrous material	None detected (gray) <1% Chrysotile (purple)	<1% Cellulose (both) 10% Glass fibers (both) 10% Polyester (both)

**TABLE 1**  
**LABORATORY ANALYTICAL RESULTS**  
**FOR BULK SAMPLES**

Sample Designation	Sample Description	Sample Layers	Asbestos Fiber Content	Non-Asbestos Fiber Content
LF-AS-073	Weathered, white, pre-cast, mudded, pipe insulation with metal jacket	Off-white semi-fibrous material	None detected	20% Cellulose
LF-AS-074	Fiberglass insulation with canvas cover	White semi-fibrous material/Brown semi-fibrous material	None detected (both)	4% Cellulose (both) 8% Cotton (both) 50% Mineral wool (both)
LF-AS-075	Roofing material	Black tar	15% Chrysotile	<1% Cellulose
LF-AS-076	Weathered, blue, pipe insulation with metal jacket	Purple semi-fibrous material	None detected	<1% Cellulose 3% Glass fibers 10% Polyester
LF-AS-077	Roofing material	Black semi-fibrous material/Black/white rock/Black semi-fibrous material	20% Chrysotile (1st black) None detected (rock & 2nd black)	2% Glass fibers (all) 15% Polyester (all)
LF-AS-078	White, friable material inside broken pipe	Off-white non-fibrous material	None detected	None listed
LF-AS-079	Yellowish brick from inside exhaust stack	Yellow non-fibrous material	None detected	<1% Cellulose <1% Glass fibers
LF-AS-080	Vapor barrier/expansion joint from Power House	Brown/black semi-fibrous material with shiny underside/Brown/black semi-fibrous material	None detected (both)	<1% Cellulose (both) 5% Glass fibers (both) 8% Mineral wool (both)
LF-AS-081	Roofing material	Black non-fibrous material/Black non-fibrous material	None detected (both)	10% Cellulose (both) 2% Glass fibers (both)
LF-AS-082	Roofing material with gray fibrous layer	Multicolored semi-fibrous material/Black semi-fibrous material	None detected (both)	60% Cellulose (both) <1% Glass fibers (both)
LF-AS-083	Dark red/brown Transite pipe with exterior black layer	Brown semi-fibrous material	10% Anthophyllite	None listed
LF-AS-084	Light gray Transite pipe with inner lining	Beige non-fibrous material/Brown semi-fibrous material	None detected (beige) 35% Anthophyllite (brown)	None listed
LF-AS-085	Dark gray Transite pipe with inner lining	Brown semi-fibrous material	35% Anthophyllite	None listed

**TABLE 1**  
**LABORATORY ANALYTICAL RESULTS**  
**FOR BULK SAMPLES**

Sample Designation	Sample Description	Sample Layers	Asbestos Fiber Content	Non-Asbestos Fiber Content
LF-AS-086	Roofing material	Black semi-fibrous material	10% Chrysotile	5% Cellulose
LF-AS-087	Roofing material with brown fill material and rock	Brown/black semi-fibrous material	<1% Chrysotile	25% Cellulose 5% Glass fibers
LF-AS-088	Green, pre-cast polymer pipe collar	Green semi-fibrous material	None detected	5% Cellulose 15% Glass fibers 5% Synthetic fibers
LF-AS-089	White polymer woven pipe	Beige semi-fibrous material	None detected	<1% Cellulose 20% Glass fibers
LF-AS-090	Dark yellow polymer woven pipe	Beige semi-fibrous material	None detected	<1% Cellulose 65% Glass fibers

Notes:

AS

Asbestos sample

LF

Liberty Fibers



**TABLE 2**  
**LABORATORY ANALYTICAL RESULTS**  
**FOR DRUM AND TOTE SAMPLES**

Parameter	TCLP Regulatory Level (mg/L)	LF-DW-01		LF-DW-02		LF-DW-03	
		Laboratory Reported Concentration (mg/kg)*	Estimated TCLP Value (mg/L)**	Laboratory Reported Concentration (mg/kg)*	Estimated TCLP Value (mg/L)**	Laboratory Reported Concentration (mg/kg)*	Estimated TCLP Value (mg/L)**
Semivolatile Organic Compounds							
2-Methylnaphthalene	NE	NA	--	495 U	--	91.1 J	4.555
Polychlorinated Biphenyls (PCB)							
PCB-1260	NE	NA	--	0.129 U	--	0.131 U	--
Metals							
Aluminum	NE	163	8.15	NA	--	NA	--
Calcium	NE	915	45.75	NA	--	NA	--
Chromium	5.0	2.89	0.1445	NA	--	NA	--
Iron	NE	149	7.45	NA	--	NA	--
Magnesium	NE	79.0	3.95	NA	--	NA	--
Manganese	NE	2.21	0.1105	NA	--	NA	--
Selenium	1.0	1.05 J	0.0525	NA	--	NA	--
Zinc	NE	147	7.35	NA	--	NA	--
Miscellaneous Parameters							
pH*	2-12.5	1.10	--	NA	--	NA	--
Chloride	NE	5,640 J-	282	NA	--	NA	--
Nitrite as N	NE	1,660 J-	83	NA	--	NA	--
Sulfate	NE	140,000 J-	7000	NA	--	NA	--
BTU Content**	NE	NA	--	11,000	--	472	--

Notes:

Positive results are listed in **BOLD**.

  Highlighted results exceed the listed TCLP Regulatory Level.

\* = Units are standard pH units for pH and British thermal units per pound (BTU/lb) for BTU

\*\* = Content. Estimated TCLP Value indicates the highest potential value for a fully leachable contaminant using the standard 20:1 mass ratio of leachate to sample as specified in TCLP Test Method 1311 in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," Environmental Protection Agency Publication SW-846. The concentrations listed do not indicate actual levels, but do indicate the potential for a material to exhibit characteristics of hazardous waste.

-- = Not applicable

DW = Drum waste

EPA = Environmental Protection Agency

J = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample.

J- = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample and may be biased low.

LF = Liberty Fibers

mg/kg = Milligrams per kilogram

mg/L = Milligrams per liter

NA = Not analyzed

NE = Not established

TCLP = Toxicity Characteristic Leaching Procedure

TW = Tote waste

U = The analyte was analyzed for, but was not detected at or above the reporting limit.

**TABLE 2**  
**LABORATORY ANALYTICAL RESULTS**  
**FOR DRUM AND TOTE SAMPLES**

Parameter	TCLP Regulatory Level (mg/L)	LF-TW-01		LF-TW-02	
		Laboratory Reported Concentration (mg/kg)*	Estimated TCLP Value (mg/L)**	Laboratory Reported Concentration (mg/kg)*	Estimated TCLP Value (mg/L)**
Semivolatile Organic Compounds					
2-Methylnaphthalene	NE	500 U	--	NA	--
Polychlorinated Biphenyls (PCB)					
PCB-1260	NE	0.129 U	--	2.81	0.1405
Metals					
Aluminum	NE	NA	--	NA	--
Calcium	NE	NA	--	NA	--
Chromium	5.0	NA	--	NA	--
Iron	NE	NA	--	NA	--
Magnesium	NE	NA	--	NA	--
Manganese	NE	NA	--	NA	--
Selenium	1.0	NA	--	NA	--
Zinc	NE	NA	--	NA	--
Miscellaneous Parameters					
pH*	2-12.5	NA	--	NA	--
Chloride	NE	NA	--	NA	--
Nitrite as N	NE	NA	--	NA	--
Sulfate	NE	NA	--	NA	--
BTU Content**	NE	13,900	--	13,900	--

Notes:

Positive results are listed in **BOLD**.



Highlighted results exceed the listed TCLP Regulatory Level.

\* = Units are standard pH units for pH and British thermal units per pound (BTU/lb) for BTU

\*\* = Content. Estimated TCLP Value indicates the highest potential value for a fully leachable contaminant using the standard 20:1 mass ratio of leachate to sample as specified in TCLP Test Method 1311 in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," Environmental Protection Agency Publication SW-846. The concentrations listed do not indicate actual levels, but do indicate the potential for a material to exhibit characteristics of hazardous waste.

-- = Not applicable

DW = Drum waste

EPA = Environmental Protection Agency

J = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample.

J- = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample and may be biased low.

LF = Liberty Fibers

mg/kg = Milligrams per kilogram

mg/L = Milligrams per liter

NA = Not analyzed

NE = Not established

TCLP = Toxicity Characteristic Leaching Procedure

TW = Tote waste

U = The analyte was analyzed for, but was not detected at or above the reporting limit.

**TABLE 3**  
**LABORATORY ANALYTICAL RESULTS**  
**FOR FORMER CARBON DISULFIDE TANK VAULT SAMPLES**

Parameter	EPA Region 4 RAL Tapwater	LF-VAW-01	LF-VAW-01-DUP	LF-VAW-02	LF-VAW-03
<b>Volatile Organic Compounds (µg/L)</b>					
Carbon disulfide	2,910	<b>1.86 J</b>	<b>4.09 J</b>	<b>716</b>	<b>0.850 J</b>

Parameter	EPA Region 4 RAL Worker Soil	LF-VSW-03	LF-VSW-06
<b>Volatile Organic Compounds (mg/kg)</b>			
Acetone	2,050,000	<b>0.243</b>	<b>0.157</b>
Carbon disulfide	9,940	<b>0.0117</b>	<b>0.041 J</b>
Cyclohexane	101,000	0.0136 U	<b>0.000438 J</b>
Toluene	155,000	0.00272 U	<b>0.000456 J</b>

Notes:

Positive results are listed in **BOLD**.

DUP = Field duplicate

EPA = Environmental Protection Agency

J = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample.

J- = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample and may be biased low.

LF = Liberty Fibers

µg/L = Micrograms per liter

mg/kg = Milligrams per kilogram

NA = Not analyzed

RAL = Removal Action Level (September 2008). The sample results are being compared to the RALs because Toxicity Characteristics Leaching Procedure regulatory limits have not been established for the compounds detected in the carbon disulfide tank vault waste samples.

U = The analyte was analyzed for, but was not detected at or above the reporting limit.

VAW = Vault aqueous waste

VSW = Vault solid waste

**TABLE 4**  
**LABORATORY ANALYTICAL RESULTS**  
**FOR ACID NEUTRALIZATION PIT SAMPLES**

Parameter	EPA Region 4 RAL Worker Soil	LF-NPWE-01	LF-NPWE-01-DUP	LF-NPW-02	LF-NPWW-01
<b>Volatile Organic Compounds (mg/kg)</b>					
2-Butanone	645,000	0.0455 UJ	<b>0.0332 J-</b>	0.0473 UJ	0.0527 U
2-Hexanone	NL	<b>0.0172 J-</b>	0.0496 UJ	0.0473 UJ	0.0527 U
Acetone	2,050,000	<b>0.540 J</b>	<b>0.374 J</b>	<b>0.0897 J</b>	<b>0.148</b>
Carbon disulfide	9,940	<b>0.713 J-</b>	<b>0.936 J-</b>	<b>0.0634 J+</b>	<b>0.0899 J+</b>
<b>Semivolatile Organic Compounds (mg/kg)</b>					
Benzo (a) anthracene	143	0.331 U	<b>0.0711 J</b>	0.327 U	0.330 U
Chrysene	1430	0.331 U	<b>0.0734 J</b>	0.327 U	0.330 U
Dibenzofuran	NL	0.331 U	<b>0.117 J</b>	0.327 U	0.330 U
Pyrene	55,000	0.331 U	<b>0.0843 J</b>	0.327 U	0.330 U
<b>Metals (mg/kg)</b>					
Aluminum	3,290,000	<b>2,720</b>	<b>2,590</b>	<b>4,280</b>	<b>3,800</b>
Antimony	1,360	99.8 U	<b>7.89 J</b>	99.6 U	99.2 U
Arsenic	177	9.98 U	9.86 U	9.96 U	<b>19.8</b>
Barium	681,000	<b>60.5</b>	<b>76.9</b>	<b>54.2</b>	<b>108</b>
Calcium	NL	<b>165,000</b>	<b>108,000</b>	<b>212,000</b>	<b>139,000</b>
Chromium	154,000	<b>8.78 J</b>	<b>22.7</b>	<b>19.3</b>	9.92 U
Copper	NL	<b>8.98 J</b>	<b>87.4</b>	19.9 U	<b>9.52 J</b>
Iron	2,380,000	<b>9,560</b>	<b>54,200</b>	<b>3,680</b>	<b>4,880</b>
Lead	2,200	<b>68.5 J-</b>	<b>123 J-</b>	<b>18.6 J-</b>	<b>28.1 J-</b>
Magnesium	NL	<b>2,140 J+</b>	<b>2,490 J+</b>	<b>3,390 J+</b>	<b>2,010 J+</b>
Manganese	75,500	<b>211</b>	<b>492</b>	<b>145</b>	<b>115</b>
Mercury	93.1	<b>1.80</b>	<b>1.78</b>	<b>1.24</b>	<b>1.02</b>
Nickel	68,100	9.98 U	<b>57.4</b>	<b>11.8</b>	9.92 U
Selenium	17,000	20.0 U	<b>10.3 J</b>	19.9 U	<b>9.27 J</b>
Zinc	1,020,000	<b>470 J-</b>	<b>477 J-</b>	<b>235 J-</b>	<b>310 J-</b>

Notes:

Positive results are listed in **BOLD**.

DUP = Field duplicate

J = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample.

J+ = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample and may be biased high.

J- = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample and may be biased low.

LF = Liberty Fibers

mg/kg = Milligrams per kilogram

NL = Not listed

NPW = Neutralization Pit Waste

NPWE = Neutralization Pit Waste East

NPWW = Neutralization Pit Waste West

RAL = Removal Action Level (September 2008). The sample results are being compared to the RALs because samples collected were more consistent with soil matrices than with wastes.

U = The analyte was analyzed for, but was not detected at or above the reporting limit.

UJ = The analyte was analyzed for, but was not detected at or above the reporting limit, which is considered approximate due to deficiencies in one or more quality control criteria.

**TABLE 5**  
**PHASE CONTRAST MICROSCOPY ASBESTOS RESULTS**  
**FOR AIR SAMPLES**

Sample Description	Sample Date	PCM Result (f/cc)	PCM PEL (f/cc)
Tailgate of van	18-Jan-10	0.0091	0.1
Northwest end of property	18-Jan-10	0.0040	
Fence behind Rayon Staple Plant	18-Jan-10	0.0071	
Northeast corner	18-Jan-10	0.0051	
Pole beside power house	18-Jan-10	0.0200	
Clean area	18-Jan-10	0.0040	
Todd Curtis (3077)	19-Jan-10	0.0052	
Ken Lindes (8950)	19-Jan-10	0.0066	
Amy Tolley (7632)	19-Jan-10	0.0080	
Clean area	19-Jan-10	0.0021	
Northwest end of property	19-Jan-10	0.0040	
Fence behind Rayon Staple Plant	19-Jan-10	0.0052	
Northeast corner	19-Jan-10	0.0070	
Pole beside power house	19-Jan-10	0.0084	

Notes:

f/cc = Fibers per cubic centimeter

PCM = Phase contrast microscopy

PEL = Permissible exposure limit

**TABLE 6**  
**LABORATORY ANALYTICAL RESULTS**  
**FOR THE SURFACE SOIL SAMPLE**

Sample Designation:	EPA Region 4 RAL Worker Soil	LF-SS-01
<b>Semivolatile Organic Compounds (mg/kg)</b>		
Anthracene	550,000	<b>0.0562 J</b>
Benzo (a) anthracene	143	<b>0.135 J</b>
Benzo (a) pyrene	23.4	<b>0.130 J</b>
Benzo (b) fluoranthene	143	<b>0.139 J</b>
Benzo (g,h,i) perylene	NL	<b>0.0809 J</b>
Benzo (k) fluoranthene	143	<b>0.130 J</b>
Chrysene	1,430	<b>0.154 J</b>
Dibenz (a,h) anthracene	41.7	<b>0.0353 J</b>
Dimethyl phthalate	NL	<b>0.462</b>
Di-n-butyl phthalate	205,000	<b>0.114 J</b>
Fluoranthene	73,300	<b>0.371</b>
Fluorene	73,300	<b>0.0546 J</b>
Indeno (1,2,3-cd) pyrene	143	<b>0.0775 J</b>
Phenanthrene	NL	<b>0.331 J</b>
Pyrene	55,000	<b>0.273 J</b>
<b>Polychlorinated Biphenyls (mg/kg)</b>		
PCB-1242	82.6	<b>0.805</b>

Notes:

Positive results are listed in **BOLD**.

J = The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

LF = Liberty Fibers

mg/kg = Milligrams per kilogram

NL = Not listed

RAL = Removal Action Level (September 2008).

SS = Surface soil

**APPENDIX C**  
**PHOTOGRAPHIC LOG**  
(43 Pages)



**OFFICIAL PHOTOGRAPH NO. 1**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Southwest	<b>Date:</b>	December 4, 2009
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Perry Gaughan, EPA
<b>Subject:</b>	Limited overview of Liberty Fibers Site as seen from atop a closed landfill located at the northeastern corner of the facility.		







**OFFICIAL PHOTOGRAPH NO. 2**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** South

**Date:** January 22, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Robert Thompson, Tetra Tech

**Subject:** Former Power House structure.





**OFFICIAL PHOTOGRAPH NO. 3**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Southeast	<b>Date:</b>	January 22, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Robert Thompson, Tetra Tech
<b>Subject:</b>	Former Power House structure and demolition debris piles.		





**OFFICIAL PHOTOGRAPH NO. 4**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** Northwest

**Date:** January 22, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Robert Thompson, Tetra Tech

**Subject:** Former Power House structure and demolition debris piles.





**OFFICIAL PHOTOGRAPH NO. 5**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** West

**Date:** January 22, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Robert Thompson, Tetra Tech

**Subject:** Former Power House structure afterburner unit.







**OFFICIAL PHOTOGRAPH NO. 6**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** Northeast

**Date:** January 22, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Robert Thompson, Tetra Tech

**Subject:** Demolition debris field located south of the former Power House structure.





**OFFICIAL PHOTOGRAPH NO. 7**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** West

**Date:** January 22, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Robert Thompson, Tetra Tech

**Subject:** Demolished building foundation filled with water and debris.





**OFFICIAL PHOTOGRAPH NO. 8**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	East	<b>Date:</b>	January 22, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Robert Thompson, Tetra Tech
<b>Subject:</b>	Deteriorated thermal system insulation (TSI) on a partially demolished pipe rack.		







**OFFICIAL PHOTOGRAPH NO. 9**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Southeast	<b>Date:</b>	January 22, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Robert Thompson, Tetra Tech
<b>Subject:</b>	Deteriorated thermal system insulation (TSI) on a partially demolished pipe rack.		







**OFFICIAL PHOTOGRAPH NO. 10  
U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Northwest	<b>Date:</b>	January 19, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Amy Tolley, Tetra Tech
<b>Subject:</b>	Asbestos disposal bag observed mingled with debris pile.		





**OFFICIAL PHOTOGRAPH NO. 11**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	West	<b>Date:</b>	January 19, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Amy Tolley, Tetra Tech
<b>Subject:</b>	Used Tyvek© suit and asbestos disposal bag mingled with debris pile.		







**OFFICIAL PHOTOGRAPH NO. 12**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** West

**Date:** January 19, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Amy Tolley, Tetra Tech

**Subject:** Asbestos bulk sample LF-AS-005 collected from deteriorated pre-cast, mudded pipe insulation with canvas wrap.





**OFFICIAL PHOTOGRAPH NO. 13**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** Southeast

**Date:** January 19, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Amy Tolley, Tetra Tech

**Subject:** Asbestos bulk sample LF-AS-006 collected from deteriorated pre-cast, mudded pipe insulation with canvas wrap.







**OFFICIAL PHOTOGRAPH NO. 14**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Looking down	<b>Date:</b>	January 19, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Amy Tolley, Tetra Tech
<b>Subject:</b>	Asbestos bulk sample LF-AS-007 collected from roofing material mixed with demolition debris.		







**OFFICIAL PHOTOGRAPH NO. 15**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Looking down	<b>Date:</b>	January 19, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Amy Tolley, Tetra Tech
<b>Subject:</b>	Asbestos bulk sample LF-AS-013 collected from weathered blue insulation.		



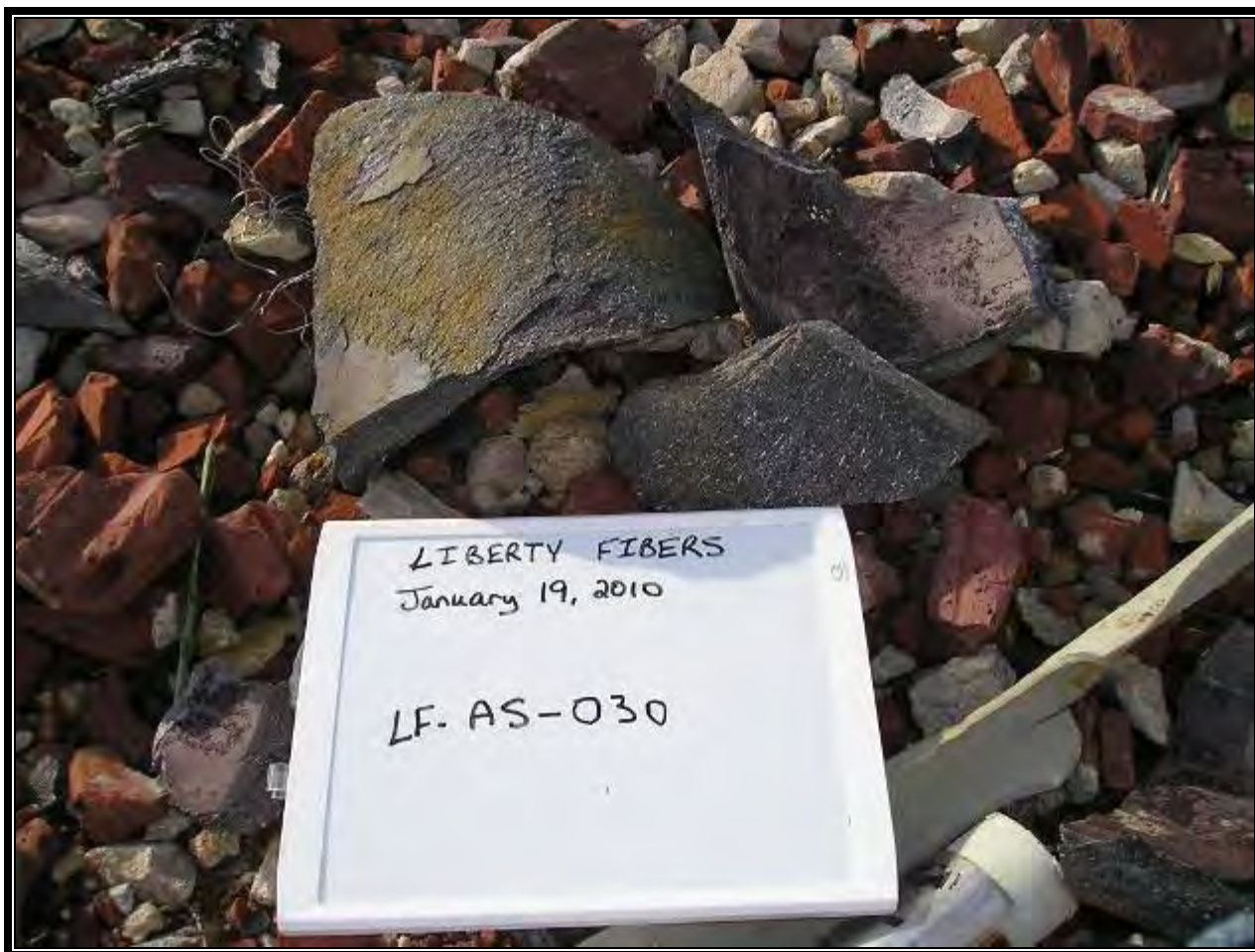


**OFFICIAL PHOTOGRAPH NO. 16**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Looking down	<b>Date:</b>	January 19, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Amy Tolley, Tetra Tech
<b>Subject:</b>	Asbestos bulk sample LF-AS-028 collected from weathered blue insulation mixed with demolition debris.		







**OFFICIAL PHOTOGRAPH NO. 17**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	NA	<b>Date:</b>	January 19, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Amy Tolley, Tetra Tech
<b>Subject:</b>	Asbestos bulk sample LF-AS-030 collected from fragmented transite pipe.		



**OFFICIAL PHOTOGRAPH NO. 18**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** Looking down

**Date:** January 19, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Amy Tolley, Tetra Tech

**Subject:** Asbestos bulk sample LF-AS-033 collected from gray, fibrous insulation with a canvas backing.







**OFFICIAL PHOTOGRAPH NO. 19**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** Looking down

**Date:** January 19, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Amy Tolley, Tetra Tech

**Subject:** Asbestos bulk sample LF-AS-040 collected from weathered, mudded pipe insulation mixed with demolition debris.





**OFFICIAL PHOTOGRAPH NO. 20**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** Looking down

**Date:** January 19, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Amy Tolley, Tetra Tech

**Subject:** Asbestos bulk sample LF-AS-041 collected from weathered, muddled pipe insulation mixed with demolition debris.







**OFFICIAL PHOTOGRAPH NO. 21**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** Looking down

**Date:** January 20, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Amy Tolley, Tetra Tech

**Subject:** Asbestos bulk sample LF-AS-052 collected from roofing material and weathered pipe insulation mixed with demolition debris.





**OFFICIAL PHOTOGRAPH NO. 22**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** NA

**Date:** January 20, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Amy Tolley, Tetra Tech

**Subject:** Asbestos bulk sample LF-AS-058 collected from a gray fibrous material and roofing material mixed with demolition debris.







**OFFICIAL PHOTOGRAPH NO. 23**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Northwest	<b>Date:</b>	January 20, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Amy Tolley, Tetra Tech
<b>Subject:</b>	Asbestos bulk sample LF-AS-061 collected from damaged, muddled pipe elbow insulation with a canvas wrap near the Power House afterburner unit.		





**OFFICIAL PHOTOGRAPH NO. 24**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Southwest	<b>Date:</b>	January 20, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Amy Tolley, Tetra Tech
<b>Subject:</b>	Asbestos bulk sample LF-AS-063 collected from damaged, mudded pipe elbow insulation near the former Power House structure afterburner unit.		







**OFFICIAL PHOTOGRAPH NO. 25**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** Southeast

**Date:** January 20, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Amy Tolley, Tetra Tech

**Subject:** Asbestos bulk sample LF-AS-067 collected from the deteriorated insulation of the former Power House structure afterburner unit.





**OFFICIAL PHOTOGRAPH NO. 26**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** West

**Date:** January 20, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Amy Tolley, Tetra Tech

**Subject:** Asbestos bulk sample LF-AS-068 collected from deteriorated, mudded pipe elbow insulation lying on the ground.





**OFFICIAL PHOTOGRAPH NO. 27**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Looking down	<b>Date:</b>	January 22, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Robert Thompson, Tetra Tech
<b>Subject:</b>	Asbestos bulk sample LF-AS-072 collected from weathered, pre-cast mudded pipe insulation with canvas and metal wrap mixed with demolition debris.		







**OFFICIAL PHOTOGRAPH NO. 28**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Looking down	<b>Date:</b>	January 22, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Robert Thompson, Tetra Tech
<b>Subject:</b>	Asbestos bulk sample LF-AS-075 collected from roofing material mixed with demolition debris.		







**OFFICIAL PHOTOGRAPH NO. 29**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Looking down	<b>Date:</b>	January 22, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Robert Thompson, Tetra Tech
<b>Subject:</b>	Asbestos bulk sample LF-AS-083 collected from damaged transite pipe with a black coating mixed with demolition debris.		





**OFFICIAL PHOTOGRAPH NO. 30**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** NA

**Date:** January 22, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Robert Thompson, Tetra Tech

**Subject:** Asbestos bulk sample LF-AS-084 collected from damaged transite pipe with an inner lining mixed with demolition debris.







**OFFICIAL PHOTOGRAPH NO. 31**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Looking down	<b>Date:</b>	January 22, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Robert Thompson, Tetra Tech
<b>Subject:</b>	Asbestos bulk sample LF-AS-087 collected from roofing material mixed with demolition debris.		





**OFFICIAL PHOTOGRAPH NO. 32**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** Northeast

**Date:** January 22, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Robert Thompson, Tetra Tech

**Subject:** Former Welding Shop structure.







**OFFICIAL PHOTOGRAPH NO. 33**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** Northeast

**Date:** January 21, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Todd Curtis, Tetra Tech

**Subject:** Transformer inside bermed area located in the former Welding Shop.



**OFFICIAL PHOTOGRAPH NO. 34**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** Northwest

**Date:** January 21, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Todd Curtis, Tetra Tech

**Subject:** Transformer inside bermed area located in the Welding Shop.





**OFFICIAL PHOTOGRAPH NO. 35**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** South

**Date:** January 21, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Todd Curtis, Tetra Tech

**Subject:** Polyethylene-lined containers holding approximately 89 capacitors.







**OFFICIAL PHOTOGRAPH NO. 36**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Northwest	<b>Date:</b>	January 21, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Todd Curtis, Tetra Tech
<b>Subject:</b>	Super sacks and boxes filled with mercury-contaminated materials.		





**OFFICIAL PHOTOGRAPH NO. 37**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Northwest	<b>Date:</b>	January 21, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Todd Curtis, Tetra Tech
<b>Subject:</b>	Drum waste sample LF-DW-01. Contents of drum were labeled as corrosive.		



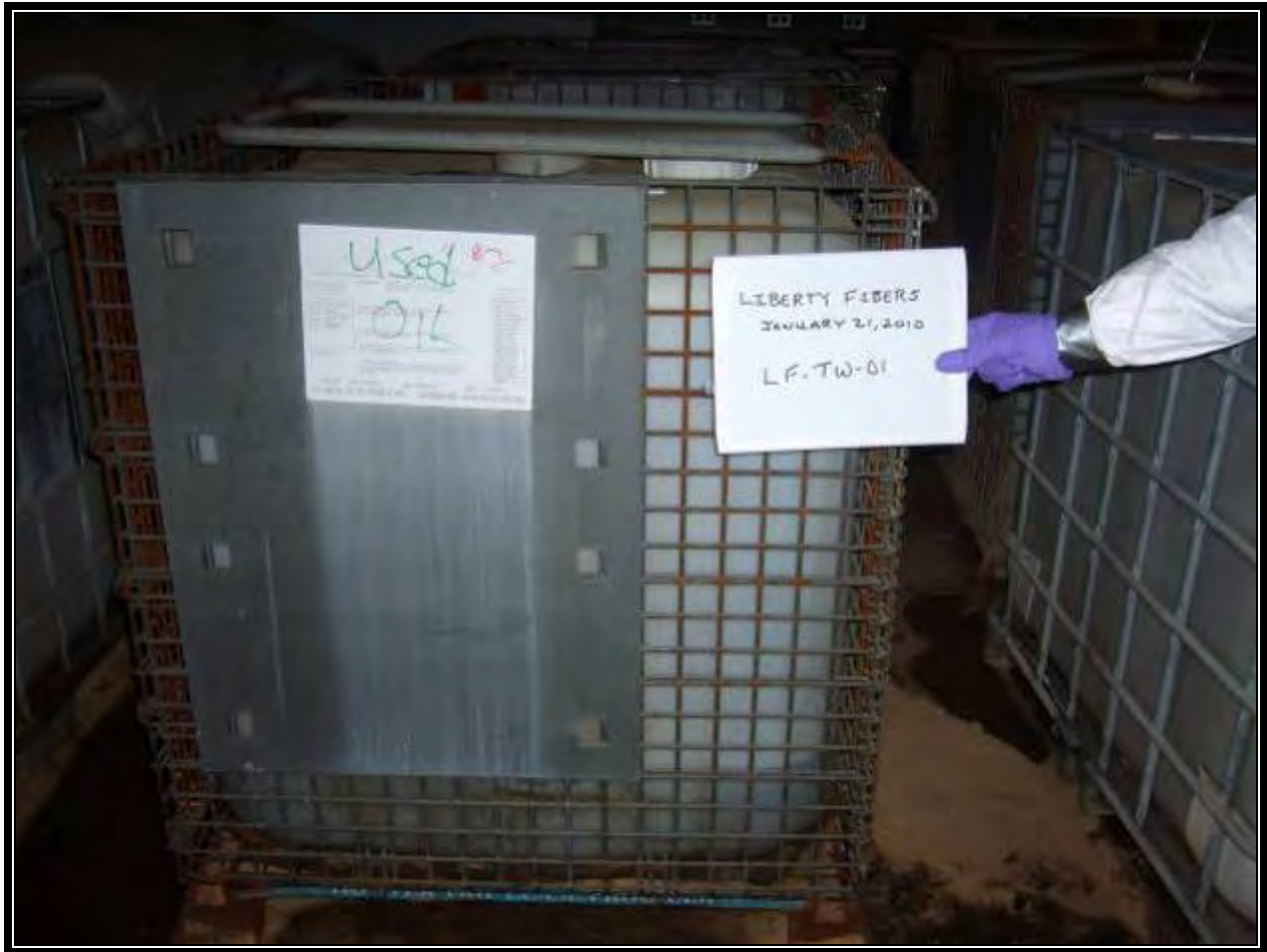


**OFFICIAL PHOTOGRAPH NO. 38**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Northeast	<b>Date:</b>	January 21, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Todd Curtis, Tetra Tech
<b>Subject:</b>	Drum waste sample LF-DW-02. A composite sample was collected from the three drums.		







**OFFICIAL PHOTOGRAPH NO. 39**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** South

**Date:** January 21, 2010

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Todd Curtis, Tetra Tech

**Subject:** Tote waste sample LF-TW-01. A composite sample was collected from three of the totes.





**OFFICIAL PHOTOGRAPH NO. 40**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

**TDD Number:** TTEMI-05-003-0041

**Location:** Liberty Fibers Site

**Orientation:** Northeast

**Date:** December 3, 2009

**Photographer:** Paul Prys, Tetra Tech

**Witness:** Tim Frederick, EPA

**Subject:** Concrete vault that previously held six 10,000-gallon carbon disulfide tanks submerged in water. The owner removed the eastern side of the vault wall to salvage the tanks. Therefore, the contents of the vault appear to be leaking onto the ground surface on the eastern side of the vault.





**OFFICIAL PHOTOGRAPH NO. 41**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	Southwest	<b>Date:</b>	January 22, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Robert Thompson, Tetra Tech
<b>Subject:</b>	Sludge with oily sheen observed in the carbon disulfide vault water.		







**OFFICIAL PHOTOGRAPH NO. 42**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	West	<b>Date:</b>	January 22, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Robert Thompson, Tetra Tech
<b>Subject:</b>	Neutralization Pit 1 suspected to contain the waste from lye neutralization processes conducted at the facility.		





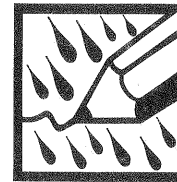
**OFFICIAL PHOTOGRAPH NO. 43**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**

<b>TDD Number:</b>	TTEMI-05-003-0041	<b>Location:</b>	Liberty Fibers Site
<b>Orientation:</b>	East	<b>Date:</b>	January 22, 2010
<b>Photographer:</b>	Paul Prys, Tetra Tech	<b>Witness:</b>	Robert Thompson, Tetra Tech
<b>Subject:</b>	Fifty thousand gallon sulfuric acid storage tank suspected to contain approximately eight inches of sulfuric acid sludge.		



**APPENDIX D**  
**FIELD LOGBOOK NOTES**  
(37 Pages)





*"Rite in the Rain"*<sup>®</sup>

ALL-WEATHER

**JOURNAL**

No. 391

LIBERTY FIBERS

ITEM I - 05 - 003 - 0041

BOOK 1



Name \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

Project \_\_\_\_\_

Clear Vinyl Protective Slipcovers (Item No. 30) are available for this style of notebook.  
Helps protect your notebook from wear & tear. Contact your dealer or the J. L. Darling Corporation

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	W-83.20781	10/6/81
	LARRY LAMBERT, RCRA ENFORCEMENT	
	MARK SAWYER, A: E STOCKHOLDER	
	TOM MONTGOMERY, LIB. FIB	
	RAY, EPA TSCA	
	CEASE SMITH, TDEC RCRA	
	PAULA PLONT, TDEC LANDFILLS	
	RANDOLPH HARRISON, TDEC AIR ASSESSORS	
	BRAD PARMAN, TDEC REMEDIAL	
	ADRIAN WHITE, TDEC	
	<sup>DUKE</sup> WALTER SMITH, TDEC	
	ERIC GUENBERG, A: E	
	DAVID ABBOTT	

03/20/08

1329 ARRIVE @ LIBERTY FIBER

MANY FOLKS OF VARYING AGENCIES  
ON TOUR

1344 HEAR THAT CARBON DISULFIDE MAY HAVE  
LEAKED

MR. MONTGOMERY DESCRIBES WASTE MGT.  
AND DISPOSAL TO OSC SPURLIN.

TRACE SULFURIC ACID < 8" BELOW VALVE  
IN 40-50K GALLON TANK

1353 JOLLY ROCK LIES DUE SOUTH - MAY GO  
SEE THEM1357 MR. SAWYER STATES A:E IS 90% DONE.  
DEBRIS REMAINS TO SIFT FOR RECYCLABLES1404 OSC SPURLIN INSTRUCTS A:E TO CLEAN-UP  
USED OIL SPILLED ON NORTH END (PHOTO 3)1408 STILL PROCESSING SORM: GW FOR \$5500/MG  
IF A:E BUYS IT, THEY MUST PAY

CONTRACT TO PURCHASE EXPIRES EA OCT. 2008  
PHASE I: II IN 1992 (A PORTION)

90

1431 CS<sub>2</sub> TANK VAULT W/ 6 EACH ~10000 GAL  
TANKS, MAY LEAK ON W. SIDE, POSSIBLY  
IMPACTING SOILCS<sub>2</sub> IS POOR, ACUTELY HAZ. WASTE1438 Na<sub>2</sub>SO<sub>4</sub> ON GROUND E. OF H<sub>2</sub>SO<sub>4</sub> TANK1455 FIND ROLL-OFF OF EMPTY DRUMS FROM  
POWERHOUSE

1506 DAVID ABBOTT, <sup>EPA</sup>MULTIMEDIA ENFORCEMENT,  
RAJ ~45 TRANS

16 COM.

CAN FIND 6, 7 TRANS. MISSING

4 EA 250-GAL TOTES

1 LEAKING TRANSFORMING

ALSO HOLDS LABPACKS

1512 MR. SAWYER HISTORIC Hy NEAR OLD TANK  
PADS WEST OF POWERPLANT, NEAR LUNCH  
FILAMENT1547 AT PCB STORAGE. ACCORDING TO EEC  
GRUENBERG, 3 TRANS IN DITCH.  
THEN SAMPLED (A:E) DITCH.  
WILL SAMPLE AS NEEDED

BRAD PIERCE w/ SAFETY KLEEN  
GEO?

90



- 1638 GENERAL STORAGE HAS SOME DRUMS  
AND SMALL CONTAINERS THAT APPEAR TO  
HAVE BEEN PLACED IN LOTS FOR SALE.
- 1647 RIDE w/ MR. SAWYER : OSC SPURLIN  
TO SEE WHERE DOWNED, LEAKING  
TRANSFORMERS WERE FOUND
- 1650 VIEW SITE. DITCH IS ON SITE AND  
HAS BEEN EXCAVATED AND SOIL/DEBRIS  
IS STAGED ON SITE BY PCB BLDG. BY  
SMETV KLEEN
- 1655 RAY AND MR. SAWYER DISCUSS AND  
MR. SAWYER SAYS THEY ARE A.I.E'S TO  
ACCEPT BLAME.
- 1716 USED MARION ENV : ESC LAB TO ANALYZE  
PCBS. SAW COC BUT NO DATA
- 1752 OPS / ASSESSMENT COMPLETE. SHOULD RETURN  
@ 08:00 ON 21 MARCH

Chris

03/21/08

03/21/08

0800 ARRIVE ON SITE

- OSC SPURLIN
- START DRAPER
- RCRA LAMBERT
- RCRA HECTOR
- DAVID ABBOTT
- TSCA RAY
- TDEC ADRIAN WHITE

0834 PREPARE TO COLLECT

- ~~1 LIQUID, SW SAMPLE NEAR CS<sub>2</sub>~~
- ~~1 VIAL FOR VOLS~~ <sup>1</sup> VIAL
- ~~1 L AND 3 VOA~~ COLLECTED

- 1 SOLID, SOIL SAMPLE NEAR CS<sub>2</sub>
- ~~1 EA 8 OZ~~ <sup>1</sup> 2 EA 2 OZ

VOLS LIQ 3 VOAS  
TRIP BLACK

PCB 1 8 OZ  
VOLS SOIL 2 EA ~~8 OZ~~ <sup>1</sup> SPECIFY CS<sub>2</sub>  
~~VOLS LIQ~~ <sup>1</sup> 2  
PCB LIQ 2 EA 1 L AMBER

Joe

0906 Collect LF-SS-01  
 2 EA 202 JARS FOR VOAS  
 —SPECIFICALLY CS<sub>2</sub>  
 36.15756°N / -83.21056°W  
 LEAKING CRACK IN N<sup>th</sup> WEST WALL OF  
 CS<sub>2</sub> VAULT  
 DID NOT COLLECT SURFACE H<sub>2</sub>O SAMPLE  
 AT THIS LOCATION

0937 MOVE TO SITE WHERE 2 PCB  
 TRANSFORMERS WERE DISCOVERED  
 36.15662°N / -83.20918°W

0952 2 EA 1 L AMBER  
 LF-SW-01

1022 Collect PCB SOIL SAMPLE FROM  
 EXCAVATED AREA AND DITCH WHERE  
 TRANSFORMERS WERE FOUND

1031 LF-SS-02

1049 Collect sample of SUSPECT ACM FROM  
 DEBRIS PILE NEAR RAILROAD FILL RICK  
 ON N. SIDE OF SITE

1 EA 202 JAR

LF-ACM-01

MATERIAL WAS NOT NET

RED

1103 MOVE TO PCB STORAGE AREA TO  
 COLLECT WIPE SAMPLE

1117 Collect LF-PW-01  
 FROM FLOOR OUTSIDE OF  
 SECONDARY CONTAINMENT IN PCB  
 STORAGE AREA  
 1 EA PCB WIPE

1124 Collect LF-PW-02  
 FROM SIDE OF LEAKING CAPACITOR  
 OUTSIDE OF CONTAINMENT WITH  
 SANDUST AS ABSORBENT OF FLOOR

1131 Collect PCB OIL SAMPLE FROM (1 EA 802)  
 250-GAL TOTE WITHIN CONTAINMENT

1138 Collect LF-PW-03 FROM SIDE OF  
 LEAKING CAPACITOR WITHIN SECONDARY  
 CONTAINMENT

1153 Collect SOLID SANDUST SAMPLE  
 OF SUSPECTED PCB OIL LEAK UNDER  
 TRANSFORMER S/N: 7024835

~~LF-SS-03~~ 1 EA 802 JAR  
 LF-PS-01

XP

1231 SAMPLING COMPLETE  
A/E DEBRIEFED BY EPA  
ALL OFF-SITE

Yes

DECEMBER 3, 2009

WEATHER: Cloudy High of 47°F

SCOPE: Site Investigation at Liberty Fibers

0925 START PAGE on SITE.

0945 EPA Peery Goughan AND Tim FREDERICK AND TDEC LEE BARRON. (865-898-9204). Discussed the site and its history. There is the potential for asbestos abatement waste from outside projects being dumped at the facility. Former facility may have been split into 3 groups with different owners.

1000 EPA, TDEC AND START met with Mark Sawyer (owner) Lowland Industries Park, Inc. Facility has 2 tenants from previous owner and 1 recent tenant.

OSC Goughan explained to Mr. Sawyer we would conduct a site walk through and discuss our findings with him later.

1025 EPA, TDEC AND START entered the site AND PROCEEDED to a staging area to dress out in level C prior to conducting walk-through. (Staging area located at N 35.97473° W - 83.94653°). Each team member wore a Full-Face respirator with P-100 Filters, 2 tyvek suits, rubber boots, and nitrile gloves.



December 3, 2009

1045 EPA, TDEC and START began walk-through of approximately 300 acres of the facility to identify possible asbestos containing materials.

The team began the walk through on the west side of the facility looking through debris from partially demolished building and moving east toward the Power Building. Potential asbestos containing materials were detected in the following locations:

- In roofing felt at various locations around demolished buildings on the site. Roofing felts were mixed with various forms of demolition debris.
- In pre-cast mudded TSI in above ground pipelines covered by a metal jacket. Portions of the TSI were mixed with demolition debris and were heavily damaged. All of the pre-cast TSI was wet due to recent rain activity.
- In demolished ductwork mixed with demolition debris. Vapor barrier on paper backing could potentially contain asbestos.
- Various pipe joint seals mixed with demolition debris.
- Paper wrapped TSI (possibly AIR-O-CELL) inside an abandoned building located on

December 3, 2009

- Vertical pipe runs.
- Possible expansion joint on west side of power building and in demolition debris. At same location.
- In pre-cast mudded TSI on pipe runs covered by metal jackets. Associated with the afterburner located at the northeast corner of the Power Building.
- On the exterior of the afterburner located at the northeast corner of the Power Building. Unit appears to have mudded tarweld on exterior held in to place by wire mesh. The exterior of the insulation is damaged in various locations. The TSI above and below the afterburner ranges from intact to significantly damaged.

1205 EPA, TDEC and START completed the site walk-through.

1230 EPA, TDEC and START off-site for lunch and to discuss the site walk-through.

1345 EPA and START returned to the site and reviewed the ATC report (asbestos survey).

1400 OSC Granahan, EPA Frederick, and START Pags re-entered the site to conduct a walk through of visual points of interest

December 3, 2009.

1400 as well as photodocumentation of the site.

Photolog is located on pages 43-44 of the logbook.

1535 EPA and START completed drive through of the facility. EPA and START discussed on-site findings and possible costs associated with the clean up.

1555 START and EPA <sup>(CP)</sup> ~~departed~~ off-site.

### TDEC Contacts

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### EPA Contacts

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Tim Frederick

(O) 404-562-8896

*[Signature]*  
3 DEC 2009

December 4, 2009

Weather: Cloudy High of 44°F

SCOPE: Site Investigation at Liberty Fibers.

0900 START Pays met with OSC Gaughan to discuss the site and to review the June 11, 2008 Report. OSC questions concerning a concrete slab that may have once stored PCB transformers. START Pays contacted TDEC <sup>(CP)</sup> Scott Barbara Scott concerning their location. She said transformers were near a road by the railroad tracks on a concrete slab and were not marked. OSC tasked START Pays to put together a cost estimate for the removal of the following:

- Asbestos pile west of the Power Bldg (~7 tons)
- ACM from the after burner.
- Materials from the neutralization tanks on west side of property.
- Materials from the burial mounds near clarifier on west side of property.
- TSI from elevated pipe run stretching from Power Bldg to asbestos pile.
- TSI from elevated pipe run stretching from burial mounds to <sup>(CP)</sup> building east of the mounds.

1005 OSC Gaughan and START Pays arrived on site to speak to Mr. Sawyer (property owner).

December 4, 2009

1015 OSC Grunghan and START Pags began site walk through with Mr. Sawyer. Stopped at partially demolished building with waste oil drums. North of that building was a partially demolished building that was previously owned by Lowland Recycling and Lowland Metal Processing Inc. Owns accepted materials for dismantling and recycling.

1020 Arrived at building with a sign that said "Power Muck Shop - Rayon Stables". All windows and doors were covered with polyethylene sheeting. START Pags and OSC Grunghan looked inside the building through a hole cut in the poly barrier. Asbestos bags with generator labels were stacked 10-15 feet inside. Bags were located at the north end of the building.

1035 Arrived at the Power Building. New soil near the afterburner. Mr. Sawyer said, approx. 1 year ago, BASF remediated the soil of coal dust. Coal had been previously stored there for use at the Power Bldg. BASF remediated approx 2.99 acres. Remediation may have been performed by Arcadis. BASF owns the <sup>PP</sup> capped landfill at the northeast corner of the facility and a

December 4, 2009

1035 capped fly ash pit East of the Power Bldg. Mr. Sawyer owns the reservoir East of the fly ash pit.

Proceeded to top of BASF capped landfill.

where Mr. Sawyer gave a overview of the property. Facility information is as follows:

- The facility southeast of his property is polyester synthetic staple.
- The facility center of the south end of his property is a nylon plant.
- The 50,000 gallon sulfuric acid storage tank at the center of his property on the west side of the facility may still have 8 inches of product in it and it has not been touched.
- There is no product currently stored in the diesel storage tank.
- There was no product in the CS<sub>2</sub> tanks located at the northwest corner of the facility. Tanks were removed around Spring 2009 because of concern for <sup>PP</sup> explosion and cutting for scrap. Mr. Sawyer said he discussed it in EPA Attorney Joan Rodloff Durbin's office.
- Mr. Sawyer said that approximately 10-20 PCB transformers were sold to Booher



December 4, 2009

1035 - Ironstaves. Four were left on a truck, 3 in the pump house, 1 on-line at the Admin Bldg with a spare next to it, and 2 in storage.

- BASF inactive site manager is Charlie Waitz (973) 245-6595.

- Mike Ball is supposedly conducting some metal recovery at nylon plant.

- ACT and Mr. Sawyer verbally agreed to \$35,000 fee to survey Power Bldg and to provide oversight of the Power Bldg abatement.

1120 Arrived at welding shop where PCB transformers were stored. There were 2 PCB transformers and 89 capacitors stored in 3 totes at the northeast corner of the beamed area. Two totes were filled with PCB oil and 4 totes were empty at the south end of the beamed area. Two spots in the northeast corner have moisture in the sawdust ( $\approx 50 \text{ ft}^2$ ). Approx.  $200 \text{ ft}^2$  of sawdust under transformers and totes was visibly wet. Northwest corner has 2 poly 1 ton totes with mercury contaminated soil and equipment. At the south end of the bldg there were ~~waste~~ empty waste oil totes. At the north end of

December 4, 2009

1120 bldg, there were two drums of acid marked "Corrosive" not on pallets with a 5 gallon metal can of refrigeration oil sitting on top. Visible corrosion around bung A ~~on~~ <sup>off</sup> and base of can. At the northwest corner of the bldg were possibly 5 drums of cooling water treatment solution. All drums were 55 gallon. The elevated piping in the building appeared to have asbestos containing TSI.

1145 Arrived at the burial mounds <sup>off</sup> at near the clarifier on the west side of the facility. Mounds were located around the demolished clarifier.

1150 Arrived at west neutralization <sup>off</sup> tanks. basins. North and south basins may contain waste from lys neutralization processes. Lys containment area is located northeast of basins.

1155 Mr. Sawyer informed OSC Gaughan, that since the Spring of 2007, he has disposed of 30 to 40 roll offs of asbestos waste to state approved landfills (Ramon H Harris). TDEC Paula Plant stopped his disposal in Mar/Apr 2008. Mr. Sawyer said he has not disposed of any transformers since taking

December 4, 2009

1155 ownership. HE has not disposed of any oil except for straight motor oil. OSC Granahan informed MR. Sawyer that TDEC was concerned that asbestos waste was being dumped on his property from the scrap metal salvaging operations at the nylon plant.

1200 MR. Sawyer informed OSC Granahan that he had the crew to handle to bagged <sup>PP</sup> waste asbestos waste on site but didn't have the financial means to remove the asbestos on the pipes.

1215 OSC Granahan and START Pags completed the site walk through with MR. Sawyer.

1220 OSC Granahan and START Pags discussed the site walk through.

1240 EPA and START departed the site.

1420 START Pags arrived on-site <sup>PP</sup> to speak with TDEC Scott concerning the location of possibly buried transformers on site.

1800 START Pags demobilized from TVA Kingston site to Duluth, GA office.

*Cal E. Pags*  
4 DEC 2009

~~December 18, 2009~~ <sup>PP</sup>

January 18, 2010

WEATHER: Mostly Sunny High of 55°F.

SCOPE: Mobilization and Site Walk Through <sup>PP</sup> Through.

0730 START Pags DEPARTED from home to mobilize to Liberty Fibers.

0800 START Pags picked up START JONES and mobilized to Liberty Fibers.

1155 START Pags and JONES ARRIVED at Liberty Fibers and waited for the rest of the personnel to arrive.

1205 Resolution Inc Cory Williamson arrived on site. START Pags briefed him on site activities.

<sup>PP</sup> 1240 1215 TSTanTech Tolley arrived at the site.

1240 Team entered the facility.

1245 START Pags conducted safety meeting.

1300 START JONES and Tolley left for lunch.

START Pags and <sup>PP</sup> R. Williamson set out AREA pumps.

1324 Placed low volume pump on van bumper to see if van will stir up any asbestos while sitting out AREA pumps. (LF-FPIAA-01).

1336 STOPPED NEXT TO CS<sub>2</sub> vault to place 1st AREA pump along west fence line. (LF-P1AA-01)  
*Cal E. Pags*

January 18, 2010

- 1342 STARTED SAMPLE LF-P1AA-01.
- 1350 STOPPED to place sample LF-P2AA-01 along north fence. Pump located northeast of the demolished Rayon staple plant.
- 1358 BEGAN sample LF-P2AA-01.
- 1405 STOPPED to place pump for sample LF-P3AA-01. Pump located at telephone pole at northeast corner of facility.
- 1406 BEGAN collecting sample LF-P3AA-01.
- 1415 STOPPED AT TELEPHONE POLE EAST OF AFTERBURNER to set out sample LF-P4AA-01.
- 1418 BEGAN collecting sample LF-P4AA-01
- 1420 ARRIVED back at clean area and set up pump to collect AREA sample LF-P5AA-01.
- 1422 BEGAN <sup>(CP)</sup> collecting sample LF-P5AA-01
- 1500 TEAMS entered site to identify area for asbestos sampling and GPR survey.
- 1720 TEAMS returned to the clean zone. DEWANNED AND <sup>(CP)</sup> put suits in garbage bags for disposal.
- 1730 START personnel off-site for the day.

Paul E. [Signature]  
18 JAN 2010

January 19, 2010

- WEATHER: Partly cloudy High of 56 Wind wsw 6 mph.
- SCOPE: <sup>(CP)</sup> GPR survey and Asbestos sampling.
- 0745 Conducted site safety meeting at hotel.
- 0800 TEAMS on-site. Began preparing for site operations. LAYED out DECON AREA. RI Williamson gave START Pags air monitoring results from 1/18/10. All results less than <sup>(CP)</sup> 0.1 f/cl.
- 0920 TEAMS ENTERED site to conduct their <sup>(CP)</sup> respective surveys. Asbestos Team: Amy Tolley and Paul Pags. GPR TEAM: Chris Jones, Todd Curtis, Ken Lindes, Shan Wei.
- 1150 Asbestos team returned from field and went through DECON.
- 1200 GPR survey team returned from field and went through DECON. All personal air monitoring pumps continued running.
- 1220 Tetra Tech and Enviroprobe off-site for lunch.
- 1225 EPA OSC Perry Goughan arrived on-site. START Pags briefed him on site activities.
- 1245 Mr. Mark Sawyer stopped by the <sup>(CP)</sup> decon area and spoke to OSC Goughan.
- 1255 Enviroprobe arrived back on-site.
- 1315 Tetra Tech personnel returned from lunch.
- Paul E. [Signature]

January 19, 2010

NOTE: Asbestos samples are logged on field sheet  
and are listed on pg. 23.

1345 Asbestos team and GPR team re-entered  
work area.

1710 Asbestos team returned to the clean area,  
went through DECON and began cleaning up.

1725 GPR survey team returned, went through  
DECON and assisted with cleaning up.

1745 Tetra Tech off-site for the day.

NOTE: AREA air sampling results ranged from  
0.004 to 0.02 f/cc.

Carl E. [Signature]  
19 JAN 2010

January 19, 2010

<u>SAMPLE ID</u>	<u>Sample Description</u>
LF-AS-001	Roofing material
LF-AS-002	Fiberglass Pipe Insulation w/ White Paper Wrap
LF-AS-003	Roofing material
LF-AS-004	MUDDY (PRE-CAST) PI w/ Canvas Wrap (Ground)
LF-AS-005	MUDDY (PRE-CAST) PI w/ Canvas Wrap
LF-AS-006	MUDDY (PRE-CAST) PI w/ Canvas Wrap
LF-AS-007	Roofing material
LF-AS-008	Roofing Felt (Gray)
LF-AS-009	FIRE NOSE
LF-AS-010	MUDDY (PRE-CAST) PI w/ Canvas Wrap.
LF-AS-011	MUDDY PIPE ELBOW Insulation w/ Canvas Wrap
LF-AS-012	Weathered Insul MIXED w/ Demolition Debris
LF-AS-013	Weathered Blue Insulation w/ Canvas Wrap.
LF-AS-014	Roofing material
LF-AS-015	Demolition Debris mixed w/ <sup>(PP)</sup> roof roofing mat.
LF-AS-016	Weathered Blue PI w/ metal jacket.
LF-AS-017	Fiberglass Insulation w/ Black Vapor Barrier
LF-AS-018	Brown/Off-White weathered insulation
LF-AS-019	MUDDY Pipe Insulation w/ Canvas Wrap
LF-AS-020	Weathered coal clay debris.
LF-AS-021	Light Gray roofing felt.
LF-AS-022	Roofing material
LF-AS-023	Roofing material
LF-AS-024	Pipe Insulation wrap w/ Vapor Barrier

Carl E. [Signature]



January 19, 2010

Sample IDSample Description

LF-AS-025 Roofing material  
 LF-AS-026 Roofing material  
 LF-AS-027 Roofing material  
 LF-AS-028 WEATHERED BLUE Insulation  
 LF-AS-029 TRANSITE Pipe (1 1/2 in)  
 LF-AS-030 TRANSITE Pipe (Fragmented)  
 LF-AS-031 Polywoven Pipe (Fragmented)  
 LF-AS-032 Black Felt and Tar Vapor Barrier.  
 LF-AS-033 Gray Fibrous Insulation w/ Canvas Backing  
 LF-AS-034 MUDDED (Pre-Cast) Pipe Insul. w/ metal jacket  
 LF-AS-035 BLUE WEATHERED Pipe Insul w/ metal jacket  
 LF-AS-036 MUDDED (Pre-Cast) Pipe Insul w/ metal jacket  
 LF-AS-037 Roofing material w/ MUDDED layer  
 LF-AS-038 Roofing material w/ MUDDED layer  
 LF-AS-039 MUDDED (Pre-Cast) PE w/ Canvas wrap & metal jacket  
 LF-AS-040 WEATHERED MUDDED PE w/ Pink Tint  
 LF-AS-041 WEATHERED MUDDED PE w/ Canvas wrap

Carl E. [Signature]  
 19 JAN 2010

January 20, 2010

WEATHER: 100% chance of rain High of 54°F Wind 5 mph WSW

SCOPE: Asbestos survey, GPR survey, Drum and Neutralization Pit sampling

0815 Conducted site safety meeting at hotel.

0845 Sampling teams arrived on site. GPR team will try to use metal detector due to rain and wet soil to locate transformers. Start

(P) 0915 Prys briefed OSC Goughan on proposed site activities for the day.

0915 GPR TEAM ENTERED SITE in LEVEL C to begin work.

0925 Resolutions Williamson dragged off air monitoring results from 1/19/10.

Personal monitoring results ranged from 0.0052 - 0.0080 f/cc. AREA results ranged from 0.0021 - 0.0084 f/cc.

0935 Asbestos sampling team entered site to begin work near the power house area.

0945 GPR and Asbestos teams returned to clean area because of rain. GPR team can't operate equipment in rainy weather. Tetra Tech start personnel prepared to sample the neutralization pits for asbestos, metals + mercury, VOC, SVOC.

0955 ENVIRONMENTAL personnel off-site to hotel to  
 Carl E. [Signature]

January 20, 2010

0955 work on reports and data gathered from  
+ test 1/19/10.

1000 START personnel entered site to sample  
neutralization pits.

1025 START team began sampling north neutralization  
pit (Pit 1 - East and West).

1040 Asbestos sample LF-AS-042 collected from 5-  
point composite from Pit 1 West.

1045 Asbestos sample LF-AS-043 collected from 5-pt  
composite ~~from~~ <sup>from</sup> Pit 1 East.

1100 Asbestos sample LF-AS-044 collected from 5-pt  
composite from Pit 2.

1130 START team returned from neutralization  
pits to clean area.

1140 START team broke for lunch and to get ice  
for the samples. START Pags remained on-site  
to find a bungee wrench from a local  
retailer.

Note: Asbestos samples are logged on field sheet  
and are listed on pgs 27-28.

1250 START personnel returned from lunch.  
START Jones and Curtis prepared <sup>to</sup>  
supplies to take CS<sub>2</sub> soil samples. START  
Pags and Tolley prepared supplies to take  
asbestos samples.

Gal E. [Signature]

January 20, 2010

Sample IDSample Description

LF-AS-042	Neutralization Pit 1 (West)
LF-AS-043	Neutralization Pit 1 (East)
LF-AS-044	Neutralization Pit 2
LF-AS-045	WEATHERED BROWN/RED MUDDED (pre-cast) PI
LF-AS-046	WEATHERED blue MUDDED (pre-cast) PE
LF-AS-047	WEATHERED white MUDDED (pre-cast) PE
LF-AS-048	DARK beige WEATHERED MUDDED (pre-cast) PI
LF-AS-049	WEATHERED white MUDDED (pre-cast) PI intact
LF-AS-050	WEATHERED blue MUDDED (pre-cast) PI intact
LF-AS-051	black POWDER like material
LF-AS-052	roofing material w/ gray/pink WEATHERED PE
LF-AS-053	WEATHERED white MUDDED (pre-cast) PE
LF-AS-054	WEATHERED dark yellow MUDDED (pre-cast) PE
LF-AS-055	WEATHERED blue MUDDED (pre-cast) PE
LF-AS-056	WEATHERED orange MUDDED (pre-cast) PI
LF-AS-057	roofing material
LF-AS-058	roofing material w/ gray fibrous material
LF-AS-059	white MUDDED (pre-cast) PI w/ metal jacket
LF-AS-060	white WEATHERED MUDDED (pre-cast) PI <sup>under</sup> <del>in</del> pipe.
LF-AS-061	Damaged white/pink MUDDED PE w/ canvas wrap
LF-AS-062	DETERIORATED white MUDDED PE w/ canvas wrap
LF-AS-063	white MUDDED PE w/ canvas wrap.
LF-AS-064	blue/white MUDDED (pre-cast) PI inside blue PI
LF-AS-065	white MUDDED (pre-cast) PI w/ metal jacket

Gal E. [Signature]

January 20, 2010

1345 START TEAMS ENTERED SITE TO BEGIN SAMPLING ACTIVITIES.

1700 SAMPLING TEAMS RETURNED TO CLEAN AREA to DECON AND CLEAN UP FOR THE DAY.

1720 START PERSONNEL OFF-SITE FOR DAY.

NOTE: Air sampling was not conducted due to the RAIN forecasted for the day. Resolutions Inc. <sup>(PP)</sup> ~~would~~ will not perform air monitoring tomorrow due to the forecast of RAIN.

START Pays informed Resolutions Inc. we would not need their services for the rest of the week.

Sample ID	Sample Description
LF-AS-066	damaged blue mudded (pre-cast) PE w/ metal jacket
LF-AS-067	deteriorated insulation from afterburner
LF-AS-068	mudded PE from ground
LF-AS-069	mudded pre-cast PE w/ black wrap
LF-AS-070	white mudded (pre-cast) PE w/ metal jacket.

20 JAN 2010

January 21, 2010

WEATHER: 70% chance of RAIN High of 49°F Winds 12mph from ENE

SCOPE: Drum/Tote Sampling, Asbestos Walk Through

0700 DEPARTED for Gerlinger Industrial Supply in Knoxville, TN to buy bung wrench for drum sampling.

0910 ARRIVED on-site. Spoke with OSC Ganghoo.

0915 ARRIVED at welding building to conduct drum sampling. START Jones and Curtis began preparations for entering bldg.

0945 CONDUCTED site health and safety meeting. START continued allow equipment to warm up and conducted calibration.

1125 START JONES AND CURTIS ENTERED WELDING SHOP to take readings with multi-RBE and LUMEX. PID/FID was not used because FID kept flaming out. Entry made in LEVEL B. North entrance door was open along with 2 windows on the west side of bldg.

1200 START JONES AND CURTIS EXITED THE WELDING Bldg. All readings were low (see Field Logbook 2). Drums and totes will be sampled in LEVEL C.

1240 START JONES AND CURTIS at lunch.

NOTE: Rain stopped at approx 1150. START JONES CALLED Enviroprobe to come to the site to continue the GPR survey. Rain breaking for

January 21, 2010

Note: this afternoon. START Jones will assist

GPX team. START Pays and CURTIS will

conduct drum sampling.

1245 GP Enviroprobe on-site. PROCEEDED to survey area to begin setting up.

1250 START Pays to hotel to get memory card for camera.

1320 START Pays returned to site. START Pays and CURTIS prepared to conduct drum sampling.

1420 START Pays and CURTIS ENTER WELDING BLDG to conduct drum/tote sampling in LEVEL C.

1426 Collected sample LF-DW-01 from blue 55 gal drum labeled CORROSIVE. Liquid was pink and bubbled like soap. when placed in 1 lit amber jar.

1430 Collected sample LF-DW-02 from white 55 gal drums. <sup>GP</sup> Sample was a composite from the 3 drums.

1439 - Collected sample ~~LF-DW-03~~ <sup>GP</sup> LF-TW-01 from white tote in <sup>GP</sup> SE southwest corner of bldg. Tote labeled P-834E Flocculant (lot # N26360). Collected sample from white tote labeled waste oil. Collected sample from tote labeled used oil on

Paul E. Jones

January 21, 2010

1439 West side of totos. Four samples collected from each tote. Recovery was inconsistent. Sample originally to be grab but changed to composite.

1500 Collected composite sample from 2 white totos labeled PCB waste oil. 2 samples were taken from each tote. Sample # LF-TW-02.

1545 START ATTEMPTED TO COLLECT THE MERCURY SOIL SAMPLE. from the <sup>GP</sup> waste collapsible tote at the northwest corner of the beam. START opened the tote (super sack) and the soil was sealed in black bags. Since the soil was contained in the bags, a sample was not collected. START Pays informed OSC Goughan the soil was contained and it could create a greater problem by breaking the seal. OSC Goughan agreed.

1615 START Pays and CURTIS CLEANED UP and prepared to depart the <sup>GP</sup> welding building.

1640 START PERSONNEL met at the CLON AREA.

1645 START Jones and CURTIS met with ENVIROPROBE to check on their progress. START Pays drove around the site locating burial mounds for <sup>GP</sup> screening/objects sampling.

1735 START and ENVIROPROBE off-site.

Paul E. Jones



January 22, 2010

Weather: 30% chance of rain High of 50°F Wind from WSW 4 mph

SCOPE: CAR and Asbestos Survey, L&S and WASTE

Oil Sampling

0745 Conducted site safety meeting at hotel.

0805 START AND ENVIRAPROBE ON-SITE. Began preparing for survey activities.

0830 START PAYS and Tetra Tech Robert Thompson ENTERED THE SITE to collect asbestos samples on the east side of the facility.

1130 Completed asbestos survey on east side of facility. Returning to DECON AREA before examining the mounds near the clarifier.

1145 Returned to the west side of the facility to survey mounds for buried asbestos.

1245 Completed screening of mounds. Screening conducted by digging down 1-2 ft at various locations.

1300 START PAYS and Tetra Tech Thompson took additional photographs of the facility.

1335 Returned to DECON AREA.

1345 Tetra Tech Thompson DEMOBILIZES from site. START PAYS begins cleaning up for DEMOBE.

1430 Tetra Tech START DEMOBILIZED from the site.

1900 Tetra Tech START ARRIVED at Duluth, GA OFFICE.

*Paul E. [Signature]*

January 22, 2010

SAMPLE ID      SAMPLE DESCRIPTION

LF-AS-071 WEATHERED MUDDY (PRE-CAST) PIPE (ground)

LF-AS-072 WEATHERED BLUE MUDDY (PRE-CAST) PIPE w/ PAPER WRAP

LF-AS-073 WEATHERED WHITE MUDDY (PRE-CAST) PIPE w/ metal jacket

LF-AS-074 Fiberglass Insulation w/ canvas cover

LF-AS-075 Roofing material

LF-AS-076 <sup>(P)</sup> WEATHERED blue pipe insulation w/ metal jacket

LF-AS-077 Roofing material

LF-AS-078 White friable material inside broken pipe.

LF-AS-079 Yellowish brick from inside exhaust stack

LF-AS-080 Vapor barrier/expansion joint from Power House

LF-AS-081 Roofing material

LF-AS-082 Roofing material w/ gray fibrous layer

LF-AS-083 Dark red/brown pipe with exterior black layer

LF-AS-084 light gray pipe with inner lining.

LF-AS-085 Dark gray pipe with inner lining

LF-AS-086 Roofing material

LF-AS-087 Roofing material w/ brown fill material and rock

LF-AS-088 Green polymer pre-cast pipe collar

LF-AS-089 White polymer woven pipe.

LF-AS-090 Dark yellow polymer woven pipe.

*Paul E. [Signature]*

22 Jan 2010

January 22, 2010

- Trimble Geo Explorer GEOXH PING ENV. Equipment  
number 14860. (PA 70950-00 4918413130)

- RAE multiRAE Plus (SN 095-515847) Eagle

- Instruments

- Ludlum Measurements Inc. model 12 (SN 98918)  
Ludlum Measurements Inc model 44-9 (SN PRO98088)

from Eagle Instruments.

- Ohio Lumber Co. unit 703 from Eagle Instb.

- Thermo Electron Corp DATA RAM 4 DR4000  
PING ENV. # 6242 SERIAL # D379

- Thermo Environmental Instruments, Inc  
TVA 1000 FID/PID (SN 70547-366) from  
Eagle Instruments.

*Paul E. [Signature]*  
22 JAN 2010

Photolog

January 22, 2010

Photo #	Time	Location	O	P
P100099	0953	Sample LF-AS-079	NA	PP
800	0955	Exhaust stack and Debris Field	E	
801	0955	Power House and Debris Field	N	
802	1004	Sample LF-AS-80	NA	
803	1004	Sample LF-AS-80	NA	
804	1007	Sample LF-AS-81	NA	
805	1022	Sample LF-AS-82	NA	
806	1023	Sample LF-AS-82	S	
807	1023	Debris Field on-site	S	
809 PP	1038 PP			
808	1023	Sample LF-AS-083	NA	
810 PP	1039 PP			
809	1023	Sample LF-AS-084	NA	
811 PP	1039			
810	1039	Sample LF-AS-085	NA	
	1047 PP			
812	1039	Asbestos disposal bag in Debris	W	
	1052 PP			
813	1047	Sample LF-AS-086	NA	
814 PP	1106 PP			
815	1052	Sample LF-AS-087	NA	
815 PP	1116 PP			
814	1106	Sample LF-AS-088	NA	
816 PP				
815	1116	Sample LF-AS-089	NA	
817 PP				
816	1116	Debris Field and Power House	NE	
818 PP				
817	1116	Sample LF-AS-090	NA	
819 PP	1122 PP			
818	1116	Sample LF-AS-090 Debris Field	SE	
808 PP				
819	1122	Debris Field on-site	SE N	
808	1023	Site VIDEO	NA	
819	1122	Site VIDEO	NA	

*Paul E. [Signature]*

## Photology

January 21, 2010

Photo #	Time	Location	O	P
P1000779	1612	TOTES LABELED WASTE OIL	SE	PP
P1000780	1612	TRANSFORMERS IN BEAMED AREA	NE	
P1000781	1613	↓	NW	
P1000782	1614	Cooling water treatment label	NA	
P1000783	1614	Acid based coil cleaner label	NA	↓

(PP)

January 22, 2010

Photo #	Time	Location	O	P
P1000784	0854	Sample LF-AS-071	NA	PP
785	0856	Deteriorated PI on Demo pipe	E	
786	0914	Sample LF-AS-072	NA	
787	0915	Damaged PI on Demo pipe	S	
788	0917	Sample LF-AS-073	NA	
789	0917	Damaged PI on Demo pipe	SW	
790	0919	↓	SE	
791	0919	Debris field on-site	W	
792	0920	↓	NE	
793	0925	Sample LF-AS-074	NA	
794	0926	Sample LF-AS-075	NA	
795	0935	Sample LF-AS-076	NA	
796	0942	Sample LF-AS-077	NA	
797	0948	Sample LF-AS-078	NA	
↓ 798	0950	Power House	NW	↓

Pal E 2

## Photology

January 21, 2010

Photo #	Time	Location	O	P
P1010077		WASTE DISPOSAL LABEL ON CHLOROFORM DRUM	NA	CT
P1010078		EMPTY WASTE OIL DRUMS IN WELDING Bldg	SW	
P1010079		PLASTIC TOTES LABELED WASTE <sup>PP</sup> OIL	S	
P1010080		PLASTIC TOTE LABELED Flocculant	NA	
P1010081		PLASTIC TOTES w/ PCB oil	N	
P1010082		PCB LABELED TRANSFORMER	NA	
P1010083		↓	NA	
P1010084		LINED CONTAINER w/CAPACITORS	S	
P1010085		MERCURY CONTAMINATED SOIL	W	
P1010086		MERCURY CONTAMINATED EQUIPMENT	NA	
P1010087		ELEMENTAL MERCURY STORED IN CANS	NA	
P1010088		MERCURY CONTAMINATED MATERIALS	NW	
P1010089		3 waste oil and cooling treatment drums	NW	
P1010090		Cooling water treatment label	NA	
P1010091		Drums labeled CORROSIVE	N	
P1010092		CORROSIVE liquid drum	NW	↓
P1000772	1608	Sample LF-DW-01	NW	PP
P1000773	1609	Sample LF-DW-02	NE	
P1000774	1610	Sample LF-TW-01	S	
P1000775	1611	Sample LF-FW-01	NW	
P1000776	1611	Flocculant label on TOTE	W	
P1000777	1611	Sample LF-TW-01	SE	
P1000778	1612	Sample LF-TW-02	N	↓

Pal E 3

## Photolog

January 20, 2010

Photo #	Time	Location
PI010055	1508/1444	Sample LF-AS-051
PI010056	1445	Sample LF-AS-052
PI010057	1506	Sample LF-AS-053
PI010058	1508	Sample LF-AS-054
PI010059	1509	Sample LF-AS-055
PI010060	1510	Sample LF-AS-056
PI010061	1512	Sample LF-AS-057
PI010062	1535	Sample LF-AS-058
PI010063	1538	Sample LF-AS-059
PI010064	1542	Sample LF-AS-060
PI010065	1615	Sample LF-AS-061
PI010066	1628	Sample LF-AS-062
PI010067	1621	Sample LF-AS-063
PI010068	1623	Sample LF-AS-063
PI010069	1628	Sample LF-AS-064
PI010070	1631	Sample LF-AS-065
PI010071	1632	Sample LF-AS-064
PI010072	1633	Sample LF-AS-066
PI010073	1638	Sample LF-AS-067
PI010074	1639	Sample LF-AS-068
PI010075	1643	Sample LF-AS-069
PI010076	1649	Sample LF-AS-070

Cal LBS

## Photolog

January 19, 2010

O	P	Photo #	Time	Location	O	P
NA	PP	PI010035	1544/1510	Sample LF-AS-031	NA	PP
		PI010036	1519	Sample LF-AS-032	NA	
		PI010037	1521	Sample LF-AS-033	NA	
		PI010038	1536	Sample LF-AS-034	NA	
		PI010039	1539	Sample LF-AS-035	NA	
		PI010040	1545	Sample LF-AS-036	NA	
		PI010041	1552	Sample LF-AS-037	NA	
		PI010042	1607	Sample LF-AS-038	NA	
		PI010043	1613	Sample LF-AS-039	NA	
		PI010044	1623	Sample LF-AS-040	NA	
		PI010045	1623	Sample LF-AS-040	NA	
		PI010046	1626	Sample LF-AS-041	NA	
		PI010047	1631	Asbestos Disposal Bag in Debris	NW	
		PI010048	1635	USED Tyvek Suit and Asbestos Disposal Bag		

January 20, 2010

Photo #	Time	Location	O	P
PI010049	1426	Sample LF-AS-045	NA	PP
PI010050	1427	Sample LF-AS-046		
PI010051	1428	Sample LF-AS-047		
PI010052	1432	Sample LF-AS-048		
PI010053	1435	Sample LF-AS-049		
PI010054	1439	Sample LF-AS-050		

Cal LBS



## Photolog

January 19, 2010

Photo #	Time	Location	O	P
P1010011	1105	Sample LF-AS-011	SE	
P1010012	1114	Sample LF-AS-012	W	
P1010013	1115	WEATHERED insulation MIXED w/debris	W	
P1010014	1121	Sample LF-AS-013	NA	
P1010015	1129	Sample LF-AS-014	NA	
P1010016	1130	Sample LF-AS-015	NA	
P1010017	1137	Sample LF-AS-016	NA	
P1010018	1140	Sample LF-AS-017	NA	
P1010019	1142	Sample LF-AS-018	NA	
P1010020	1145	Sample LF-AS-019	NA	
P1010021	1408	Sample LF-AS-020	NA	
P1010022	1419	Sample LF-AS-022	NA	
P1010024	1419	Sample LF-AS-021	NA	
P1010025	1427	Sample LF-AS-023	NA	
P1010026	1435	Sample LF-AS-024	NA	
P1010027	1444	Sample LF-AS-025	N/A	
P1010028	1444	Sample LF-AS-025	NA	
P1010029	1449	Sample LF-AS-026	NA	
P1010030	1450	Sample LF-AS-027	NA	
P1010031	1459	Sample LF-AS-028	NA	
P1010032	1503	Sample LF-AS-029	NA	
P1010033	1504	Possible TRANSISTOR Pipe	W	
P1010034	1509	Sample LF-AS-030	NA	

Bal EGE

## Photolog

DECEMBER 4, 2009

Photo #	Time	Location	O	P
img-2961	1125	Cooling Water Treatment Label	N/A	PP
2962	1126	Corrosion Around Drum Bung	N/A	
2963	1127	Refilling Oil on top of Corrosive Drum	N	
2964	1128	Potential ACM - TSI	S	
2965	1128	MURDERED Pipe Elbow	SW	
2966	1129	Potential ACM - TSI	S	
2967	1130	mercury Contaminated Waste	N/A	
2968	1130	↓	N/A	
2969	1134	WGL Sawdust around capacitors	SE	
2970	1134	↓	E	

PP

January 19, 2010

Photo #	Time	Location	O	P
P1010001	0936	Sample LF-AS-001	NA	PP
P1010002	1015	Sample LF-AS-002	NA	
P1010003	1019	Sample LF-AS-003	NA	
P1010004	1028	Sample LF-AS-004	NA	
P1010005	1030	Sample LF-AS-005	W	
P1010006	1043	Sample LF-AS-006	SE	
P1010007	1045	Sample LF-AS-007	NA	
P1010008	1050	Sample LF-AS-008	NA	
P1010009	1057	Sample LF-AS-009	NA	
P1010010	1102	Sample LF-AS-010	SE	

Bal EGE

## Photology

December 4, 2009

Photo #	Time	Location
Im6-2938	1021	Possible Bagged Asbestos Waste
2939	1021	↓
2940	1021	Liberty Fibers Label on Waste Bags
2941	1022	↓
2942	1022	Lead HAZARD Sign above Waste Bags
2943	1022	Possible Bagged Asbestos Waste
2944	1040	Facility Overview - Reservoir
2945	1040	Facility Overview - Fly Ash Pond
2946	1040	Facility Overview
2947	1040	↓
2948	1120	Plastic Totes for PCB Waste Oil
2949	1120	↓
2950	1121	Plastic Totes and Transformers
2951	1121	Poly lined boom with sand/dust
2952	1122	Plastic Tote and Transformer
2953	1122	↓
2954	1122	Plastic Totes for waste oils
2955	1122	Used oil label on tote
2956	1123	Plastic totes and Transformers
2957	1124	3 Totes containing 89 capacitors
2958	1124	55 gal blue plastic drums - corrosive
2959	1124	↓
✓ 2960	1125	55 gal plastic drums

*Gal EBF*

## Photology

December 8, 2009

O	P	Photo #	Time	Location	O	P
SE	PP	Im6-2918	1501	Debris with Storage Tanks	SW	PP
SE		2919	1502	Detonated TSE on ground	N	
N/A		2920	1512	Unknown Debris in neutralization pit	NW	
N/A		2921	1512	↓	NW	
S		2922	1515	↓	W	
E		2923	1517	Carbon Disulfide Tank Pit	NW	
S		2924	1518	Sign at CS <sub>2</sub> Tank Pit	NW	
S		2925	1520	Carbon Sulfide Tank Pit	SE	
SW		2926	1520	Debris on Facility	E	
W		2927	1521	↓	SE	
N		2928	1521	↓	S	
N		2929	1522	Carbon Disulfide Tank Pit	NE	
N		2930	1522	↓	NE	
NW		2931	1523	↓	NE	
NW		2932	1528	Dirt Piles Possibly Containing Debris	W	
W		2933	1528	↓	NW	
S		2934	1529	Possible Detonated ACM	W	
S		2935	1530	↓	W	
SE		2936	1530	Demo'd Pipe Run w/ exposed TSE	E	
E		2937	1534	Demo'd Bldg with exposed TSE	NE	

*Gal EBF*  
3 DEC 2009

## Photolog

December 3, 2009

Photo	Time	Location	O	P
Im6-2895	1151	Capacitor in debris pile	NW	PP
2896	1408	E. side of Power mech. Rayon Staple Bldg	NE	PP
2897	1409	S. End of Power mech Rayon Staple Bldg	NE	NW
2898	1410	↓	NE	
2899	1410	W. side of Power mech Rayon Staple Bldg	NE	
2900	1411	↓	NE	
2901	1411	↓	NE	
2902	1412	N. End of Power mech Rayon Staple Bldg	SE	
2903	1424	Muddied Pre-Cast TSI	SE	
2904	1425	Deteriorated muddied TSI	SE	
2905	1425	Potential ACM in pile	SE	
2906	1429	↓	E	
2907	1432	Demo Pipe Run w/Exposed TSI	E	
2908	1432	↓	E	
2909	1437	Storage Tank w/Possible ACM	SW	
2910	1439	Recently Disturbed Soil	NW	
2911	1439	Storage Tank w/Possible ACM	NW	
2912	1440	Deteriorated TSI at base of tank	SW	
2913	1441	↓	S	
2914	1442	↓	SE	
2915	1443	↓	S	
2916	1444	Deteriorated TSI on tank	S	
✓ 2917	1500	Debris with Storage Tanks	W	↓

Paul E. B.

## SAMPLE SITES

1. ~~SEVERAL PCB/8 RCRA SOIL (2 cm)~~
2. ~~1 PCB WATER SAMPLE IN DITCH~~
3. ~~1 WATER SAMPLE FOR VOLS (CS<sub>2</sub>)~~
4. ~~1 SOIL SAMPLE FOR VOLS (CS<sub>2</sub>)~~

## SAMPLES

LF-SS-01 - SOIL FOR VOLS (CS<sub>2</sub>)  
2 EA 20Z

LF-SW-01 - SW FOR PCBs  
2 EA 1 L AMBER

LF-SS-02 - SOIL FOR PCBs  
1 EA 80Z

LF-ACM-01 - SUSPECT ACM  
1 EA 20Z

LF-PW-01, 02, 03 - PCB WIPES (100 cm<sup>2</sup>)  
3 EA 4 cm<sup>2</sup> WIPE w/HEXANE

LF-PS-01 - PCB SANDUST  
1 EA 80Z

LF-PL-01 - PCB OIL  
1 EA 80Z

9 TOTAL (INC. 3 WIPES)

30. 1049, N., SAME FOR PROSPECTIVE
31. 1117, S., SITE OF PCB WIFE  
LF-PW-01
32. 1124, S., SITE OF PCB WIFE LF-PW-02
33. 1131, N., 250-GAL TOTE IN SECONDARY  
CONTAINMENT. LF-PL-01
34. 1138, S., SITE OF LF-PW-03  
ON SIDE OF LEAKING CAPACITOR W/IN  
SECONDARY CONTAINMENT
35. 1153, N., SITE OF LF-PS-01  
SUSPECTED LEAK IN SANDUST FROM  
T/P 7024835
36. 1153, N., CLOSE-UP OF T/P 7024835  
LABEL PLATE

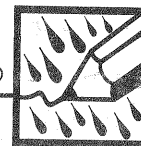
18. 1552, E., TRANSFORMERS (6)  
STORED IN SANDUST-FILLED BERM
19. 1554, N., CAPACITORS, TOTES OF  
PCB OIL AND BACKS OF TRANSFORMERS  
FROM PHOTO 18
20. 1603, S., OIL LEAKING FROM TOTES  
REPORTED TO CONTAIN NON-PCB OIL
21. ~~01~~ 1616, W., OIL ON FLOOR IN PAINT  
SHOP.
22. 1641, N., DRUMS PLACED IN LOTS FOR SALE  
IN GEN. STORGE
23. 1641, E., OIL SPILLED W/ ABSORBENT  
IN GEN. STORAGE BLD.
24. 1653, S., STRAW DAM IN DITCH, DOWNSTREAM  
FROM TRANSFORMERS LOCATION ON GROUND
- 03/21 25. 0910, E., LF-SS-01 COLLECTION SITE
26. 0952, N., WATER W/SHEEN NEAR 2 DOWN  
TRANSFORMERS WHERE PCB SURFACE  
WATER SAMPLE WAS COLLECTED
27. 1031, W., COMPOSITE PCB SOIL SAMPLE  
COLLECTION SITE
28. 1031, W., SAME
29. 1049, N., MATERIAL SUSPECTED TO BE ACM  
ON NORTH SIDE OF PROPERTY



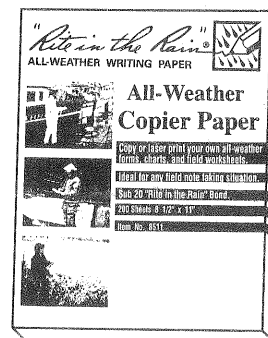
# PHOTOS

1. ENTRANCE SIGN 13.29
2. DEBRIS FIELD 13.47, SOUTH
3. 1404, N. USED OIL DRUM AND STAINED SOFL
4. 1404, S., NEUTRALIZATION BASIN FOR CAUSTIC SODA ( $\text{CaOH}$ ) AND  $\text{H}_2\text{SO}_4$
5. 1417, E., VAULT OF 6 GA.  $\sim 10,000$  GAL  $\text{CS}_2$  TANKS. WATER BLANKET  $\sim 1/2$ .
6. 1436, E.,  $\text{H}_2\text{SO}_4$  TANK ( $\sim 50\text{K}$  GAL)
7. 1439, E., SODIUM SULFATE ON GROUND E. OF SULFURIC ACID TANK
8. 1445, S. USED OIL DRUMS IN USED OIL STORAGE YARDS
9. 1445, E. USED OIL TANK IN YARD
10. 1448, N. O/W SEPARATOR AND STAINING IN UO YARD
11. 1451, S. LIQUID CHISEL 12755 BT BGTCD W/ SODIUM METASILICATE (BASE)
12. 1451, S. SAME LABEL
13. 1455, E. WINDOW SHOWING BAGS OF ASBESTOS
14. 1459, E. BLD FULL OF BAGS OF ACM
15. 1459, W. SAME
16. 1459, S. SIGN ON ACM BLDG
17. 1544, W. PCB LABEL ON DOOR

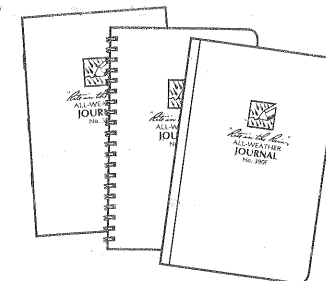
"Rite in the Rain"  
ALL-WEATHER WRITING PAPER



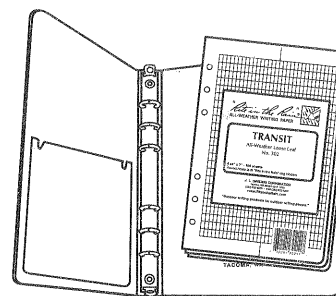
"Outdoor writing products...  
for outdoor writing people."



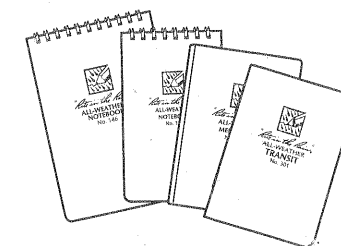
Copier & Ink-Jet Paper



Bound Books / Notebooks



Loose Leaf with Ring Binder



Memo Books

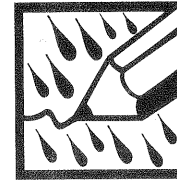


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[www.RiteintheRain.com](http://www.RiteintheRain.com)

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**JOURNAL**

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Book 2



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## CONTENTS

PAGE	REFERENCE	DATE
	PERRY GANGNON, EPA	
	PAUL PRYS, TETRA TECH	
	CHRIS JONES, TETRA TECH	
	TODD CURTIS, TETRA TECH	
	AMY TOLLEY, TETRA TECH	
	ROBERT THOMPSON, TETRA TECH	
	LOREY WILLIAMSON, RESOLUTION INC	
	SHAN WEI, ENVIROPRBE	
	KEN LINDOS, ENVIROPRBE	

1/19/10

0936 START Jones and Curtis help  
GPR crew set up on N.E.  
quad of property.

1000 Start GPR survey. Method → First  
the crew will scan the area w/ a  
metal detector. If any hits are  
discovered, the GPR will be used  
in the area of the positive hit.

1200 Break down equipment for lunch.

1220 Offsite for lunch

1315 Resume ~~GR~~<sup>GR</sup> ~~GR~~<sup>GR</sup> GPR survey  
on northern side of afterburner.

1445 Area complete, move to compacted  
soil west (≈ 100ft) of coal  
storage area.

1525 Area complete, two anomalies  
were observed in area just north  
of after burner. Enviroprobe  
collects reference points and double  
checks anomalies. One is determined  
to be a pipe. The other is an  
unknown object.

1745 START offsite

1/20/10

0800 Have H&S meeting @ hotel

0840 Arrive on site

• Show Enviroprobe remaining locations

0940 Due to late rain, Enviroprobe  
informs START that they cannot  
operate in this weather. Enviroprobe  
departs site

1000 START prepares to sample  
neutralization pit

1015 @ LFNP01, two samples will  
be collected from this station.

• LF-NPWE-01 sampled @ 1040

• LF-NPW-01 sampled @ 1045 (MS/MSD)

• LF-NPWE-01-Dup sampled @ 1055

1100 @ station LFNP01 - one sample

LF-NPW-02 sampled @ 1100

1450 Collect sample from Carbon  
Disulfide tank

LF-VSW-03 sampled @ 1450

LF-VSW-06 sampled @ 1455

1640 Collect water sample from inside  
CS<sub>2</sub> Vault. Dup and MS/MSD  
collected from this location.



1/21/10

C5

0730 Meet w/ Enviroprobe, due to rain they will not work this morning. We (TT) will contact them @ lunch to reassess the situation.

0900 START Jones and Curtis arrive on site.

0925 prepare to make entry into welding shop.

- Calibrate Lumar
- R value = 11.
- Calibrate MLI-RAE
- Cocktail gas lot # LTH159-MD-CM
- Exp. Aug 2010
- H<sub>2</sub>S = ③

Gas	%	Bump
H <sub>2</sub> S	25 ppm	25 ppm
LEL	50%	49 ppm
CO	50 ppm	49 ppm
O <sub>2</sub>	18 %	17.9 %
ISO	100 ppm	99.7 ppm

ISO gas lot # LTH159-MM-CM

Exp. Mar 2012

1/21/10

C5

1125 Enter Welding shop in level B

- SW corner of building → 13 drums
- All appear to be used oil (according to label). (VOC peaked @ 0.7)
- SE corner of building → 9 totes
- only 2 have material in them (approx 1/8 of material) (VOC peaked @ 20.1)
- Label → P-834E Flocculant,
- Used oil is hand written on one tote.
- Center of building → 5 totes, <sup>containment area</sup> hand written label states "PCB"
- 4 crates that contain panels w/ PCB warning.
- Two cloth totes - one is labeled Hg contaminated soil (bag is sealed) peaks around 100 ng. The other bag says "Hg containing equipment" tear in bag peaks @ 7000 ng
- 2 boxes <sup>③</sup> contain elemental Hg, a one L amber is observed to be approx 1/3 full.
- NW corner of building → 5 drums
- 2 contain cooling water treatment (corrosive) Other 3 have

1/21/10

CS

no label and appear to have used oil (~~no reading~~ ~~CO~~ elevated readings w/ MultiRAE)

Apparent used oil drum → CO-150

O<sub>2</sub> - 18.9, No other elevated readings

- North central building → 2 poly drums, one empty the other has a corrosive label (acid based coil cleaner) & 1/2 full
- NE corner → Fenced chemical storage area (no access) several flammables and oxidizers observed (all in containers less than 2.5L)
- No other elevated readings observed while in welding building
- One poly drum near entrance way label says "RD waste Chloroform mixture 6.1 UN 1888, PG3) VOC peaked @ 39.0"

1200 Entry complete, START Jones and Curtis out of level B.

1/21/10

CS

1330 Rain has stopped, Enviroprobe is onsite and ready to check burial mounds on western portion of property.

1530 Area complete, Enviroprobe will process data and mark anomalies.

1620 collect surface sample near clarifier (NW side)  
 • Sample collected here due to staining and stressed vegetation.

Sample ID → LF-SS-01 sampled @ 1620

1/22/10

CS

0745 H&amp;S meeting

0815 Arrive on site

0830 Enviroprobe shows START  
anomalies near clarifier.0848 Enviroprobe sets up equipment  
on north central portion of  
property. Two mounds will  
be scanned.

0920 Scan area

0950 Area complete one anomaly  
discovered in mound. Enviroprobe  
collects reference points while  
START Jones and Curtis collect  
waste oil sample. (LF-DW-03)  
• There are a total of 47 drums  
1/2 to 3/4 were empty.1020 Collect sample from Carbon  
Disulfide tank → LF-VAW-02  
Material on bottom of tank will be  
stirred up before sample is  
collected.

1125 Scan final area N of clarifier

1200 No significant anomalies  
noted.

• START Jones and Curtis

## collect GPS points

- Area near clarifier:

• LF-GPS-D1	36.15509011°N
(large anomaly)	83.20991596°W
• LF-GPS-D2	36.15528322°N
(localized)	83.20991620°W
• LF-GPS-D3	36.15532427°N
(localized)	83.209779612°W
• LF-GPS-D4	36.15534471°N
(localized)	83.20973160°W
• LF-GPS-D5	36.15529912°N
(localized)	83.20967663°W
• LF-GPS-D6	36.15535918°N
(localized)	83.20968000°W
• LF-GPS-D7	36.15536406°N
(localized)	83.20961414°W
• LF-SS-01	36.15534266°N
Soil sample	83.20962566°W
• LF-GPS-D8	36.15605517°N
(localized)	83.21015475°W
• LF-GPS-D9	36.15590676°N
(large anomaly)	83.21050008°W
• LF-GPS-10	36.15589748°N
(localized)	83.21000725°W

LF-GPS-11 36.15589489° N  
 (local: 206) 83.20998706° W  
 LF-GPS-12 36.15589292° N  
 (large anomaly) 83.20980261° W  
 LF-VSW-03 36.15746307° N  
 soil/water 83.21026587° W  
 LF-VSW-06 36.15752233° N  
 soil 83.21038603° W

- Near after burner

LF-GPS-13 36.15663454° N  
 (large anomaly) 83.20252018° W

- North Central

LF-GPS-14 36.15671311° N  
 (large anomaly) 83.20639604° W



## Photolog

January 22, 2010

Photo #	Time	Location	O	P
P1000912	1325	Demo bldg foundation w/ water/debris	N	PP
913	1326	↓	NE	
914	1326	Demo bldg foundation w/ water/debris	W	
915	1328	mounds covering asbestos waste	SE	
916	1328	↓	SW	
917	1328	↓	SW	
918	1332	Damaged poly barrier on Power Mech Shop	SW	
919	1332	↓	SE	
920	1332	↓	SE	
921	1336	Welding shop	NE	↓

(PP)

## Photolog

January 22, 2010

Photo #	Time	Location	O	P
P1000889	1316	on-site debris piles	SW	PP
890	1316	↓	W	
891	1316	↓	NW	
892	1316	↓	N	
893	1318	bldg foundation/debris piles	NW	
894	1319	POWER HOUSE/AFTERBURNER	NE	
895	1319	↓	W	
896	1319	on-site debris piles	S	
897	1320	POWER HOUSE	S	
898	1320	↓	SW	
899	1320	↓	W	
900	1321	↓	SW	
901	1321	↓	W	
902	1322	↓	S	
903	1323	Bldg on Facility/debris piles	SE	
904	1323	↓	S	
905	1323	↓	SW	
906	1324	↓	NW	
907	1324	debris piles at N end of facility	NE	
908	1325	debris piles on-site	S	
909	1325	↓	SW	
910	1325	↓	W	
911	1325	PARTIAL DEMO ROYAL STAPLE PLANT	NW	↓

Paul E. [Signature]

## Photolog

January 22, 2010

Photo #	Time	Location	O	P
P1000866	1307	Power House / Debris piles	SE	PP
P1000867	1307	Debris piles on-site	SE	
868	1308	Power House / Debris piles	SE	
869	1308	Debris piles on-site	S	
870	1310	Power House Partial Demo	SE	
871	1310	Debris piles on-site	S	
872	1310	↓	SW	
873	1310	↓	SW	
874	1310	Overhead pipelines and Debris piles	S	
875	1311	Partial Bldg Demo	SE	
876	1311 CP	Power House / Debris Field	NE	
877	1311	Exhaust stack / Debris Field	E	
878	1312	Debris Field on-site	S	
879	1312	↓	W	
880	1312	↓	W	
881	1313	Damaged Above ground lines	SE	
882	1313	↓	NE	
883	1314	Power House / Debris Fields	N	
884	1314	Abandoned treatment Facility	NE	
885	1314	↓	E	
886	1314	↓	E	
887	1314	Power House / Debris Fields	NW	
888	1316	Debris Fields on-site	SW	

Carl EGG

## Photolog

January 22, 2010

Photo #	Time	Location	O	P
P1000843	1255	Debris Fields on-site	SE	PP
844	1256	Containers may have held transformers	NW	
845	1256	Dirt mounds possibly covering asbestos	SW	
846	1256	↓	S	
847	1256	Partially demolished Bldg	NE	
848	1257	↓	NE	
849	1257	Storage Bldg and Debris <sup>CP</sup> piles	SE	
850	1257	Partially demolished storage Bldg	E	
851	1258	Partially demo Bldg w/ Debris piles	NW	
852	1258	↓	N	
853	1259	Debris Fields on-site	NE	
854	1259	↓	NW	
855	1300	↓	SE	
856	1300	↓	E	
857	1301	↓	SW	
858	1301	↓	SE	
859	1301	↓	E	
860	1302	↓	NE	
861	1302	↓	S	
862	1305	Power House and Debris Fields	E	
863	1305	Debris Fields on-site	NE	
864	1306	↓	NW	
865	1306	Partially demo rayon storage plant	NW	


Carl EGG

## Photolog

January 22, 2010

Photo #	Time	Location	O	P
P000820	1231			
821	1231			
822	1242	sludge/shell in CS <sub>2</sub> vault water	NA	PP
823	1242		SW	
824	1243		SW	
825	1243		NA	
826	1244		SW	
827	1244		NA	
828	1245		SW	
829	1246	Partially demolished rayon storage plant	NE	
830	1251		N	
831	1252		NE	
832	1252	50,000 gal H <sub>2</sub> SO <sub>4</sub> storage tank	E	
833	1252	debris field on-site	SE	
834	1252		SE	
835	1252		S	
836	1252		E	
837	1253	North neutralization pit	W	
838	1253	South neutralization pit	SW	
839	1254	Debris Fields on-site	SE	
840	1254		E	
841	1255		E	
842	1255		SE	

————— *Corey* —————



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swei@enviroprobe.com



## ENVIRONMENTAL PROTECTION AGENCY

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On-Scene Coordinator  
Emergency Response & Removal Branch

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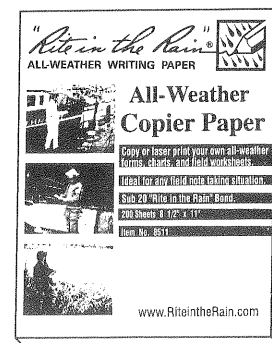
**Tim Frederick**  
Toxicologist/Life Scientist  
Waste Management Division

Sam Nunn Atlanta Federal Center  
61 Forsyth Street, SW  
Atlanta, GA 30303-8960

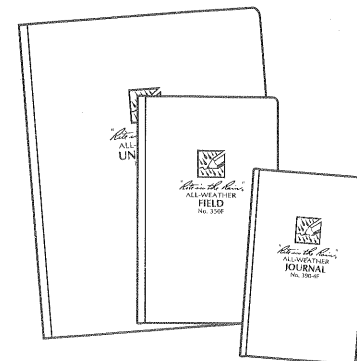
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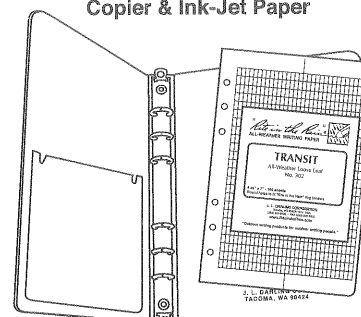
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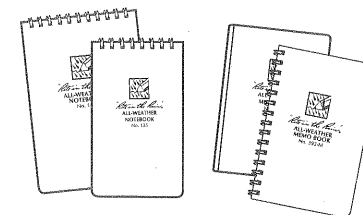
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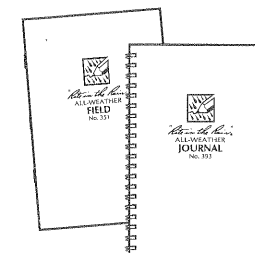
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**APPENDIX E**  
**DATA VALIDATION REPORT**  
(70 Pages)



**Site Name:** Liberty Fibers  
**Technical Direction Document Number (No.):** TTEMI-05-0003-0041  
**Contract No.:** EP-W-05-054 (START III Region 4)  
**Data Reviewer:** Debbie Kutsal

**Quality Assurance (QA) Manager:**

Jessica A. Vickers

VOCs by SW846 8260B, SVOCs by SW846 8270C, PCBs by SW846 8082, TAL metals by SW846 6010B and SW846 7471A, inorganic anions by SW846 9056, BTU by ASTM D240, flashpoint by SW846 1010M, and pH by SW846 9045D

**Analyses:**

**Data Package Requested:**

Level IV

**Level of Validation Effort:**

Stage 4

**Report Date:**

May 25, 2010

<b>Laboratory Report No.</b>	NTA1808
<b>Samples</b>	LF-DW-01, LF-DW-02, LF-DW-03, LF-TW-01, and LF-TW-02
<b>Field Duplicate Pairs</b>	None
<b>Field Blanks</b>	None

<b>Laboratory Report No.</b>	NTA1891
<b>Samples</b>	LF-NPWE-01, LF-NPWE-01-DUP, LF-NPWW-01, LF-NPW-02, LF-SS-01, LF-VAW-01, LF-VAW-01-DUP, LF-VAW-02, LF-VAW-03, LF-VSW-03, and LF-VSW-06
<b>Field Duplicate Pairs</b>	LF-NPWE-01/LF-NPWE-01-DUP and LF-VAW-01/LF-VAW-01-DUP
<b>Field Blanks</b>	LF-RB-01 and Trip Blank

**Laboratory Work Order NTA1808.** The Tetra Tech EM Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) conducted data validation of the analytical results for five waste samples that were collected at the Liberty Fibers site in Lowland, Tennessee, on January 21 and 22, 2010. The samples were analyzed under laboratory work order NTA1808 by TestAmerica Laboratories, Inc. (TestAmerica), of Nashville, Tennessee, for semivolatile organic compounds (SVOC) by SW-846 Method 8270C, polychlorinated biphenyls (PCB) by SW-846 Method 8082, Target Analyte List (TAL) metals by SW-846 Method 6010B and SW846 7471A, inorganic anions (including sulfide) by SW-846 Method 9056, BTU by ASTM Method D240, flashpoint by SW846 Method 1010M, and pH by SW846 Method 9045D.

**Laboratory Work Order NTA1891.** The Tetra Tech START also conducted data validation of the analytical results for seven soil samples (including one field duplicate), four water samples (including one field duplicate), one rinsate blank sample, and one trip blank sample that were collected on January 20, 21, and 25, 2010. The samples were analyzed under laboratory work order NTA1891 by TestAmerica for volatile organic compounds (VOC) by SW-846 Method 8260B, SVOCs by SW846 Method 8270C, PCBs by SW-846 Method 8082, and TAL metals by SW-846 Methods 6010B, 7470A, and 7471A.

Analytical data were evaluated in general accordance with applicable data validation guidance documents, including the following: the U.S. Environmental Protection Agency (EPA) Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Superfund Organic Methods Data Review (June 2008) and the EPA CLP NFG for Inorganic Data Review (October 2004). The analytical

methods used during this project provide guidance on procedures and method acceptance criteria that, in some areas, differ from the NFGs. Where the methods and the NFGs differ, the data validators followed the acceptance criteria in the methods. In addition, if laboratory-derived acceptance criteria were presented in the TestAmerica data package, these criteria were used to evaluate the data unless the criteria were considered inadequate. The following is a list of qualifiers used for the validation of this data package:

- J = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample.
- J+ = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample and may be biased high.
- J- = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample and may be biased low.
- NJ = The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
- R = The sample result is rejected as unusable due to serious deficiencies in one or more quality control (QC) criteria. The analyte may or may not be present in the sample.
- U = The analyte was analyzed for, but was not detected above the associated value.
- UJ = The analyte was analyzed for, but was not detected at or above the associated value, which is considered approximate due to deficiencies in one or more quality control criteria.

The laboratory specifications required that the following items (as applicable) be included in the data package:

- Cover page
- Table of contents
- Case narrative, including brief descriptions of the analytical methods used and a summary of laboratory or analytical non-conformances, if any
- Field/laboratory sample designation cross-reference table
- Sample container certificates of cleanliness (as provided by the manufacturer)
- Data qualifier, abbreviation, and acronym definition page
- Sample results summary sheets, including tentatively identified compounds for volatile organic compound and semivolatile organic compound analyses
- QC sample summary forms, for all associated preparation and analytical batches, which present all of the results and QC summary data that are provided on CLP forms for organic and inorganic analyses. These forms should include results for the following:
  - Initial and continuing calibrations
  - Inorganic initial and continuing calibration verifications
  - Gas chromatography (GC) calibration verifications
  - Laboratory control samples (LCS) and LCS duplicates
  - Blanks (method, initial, continuing, and preparation)
  - Matrix spikes/matrix spike duplicates (MS/MSD)
  - Post-digestion spike samples and matrix duplicate samples
  - Instrument performance check (for example, tune) results
  - Internal standard area and retention time results
  - System monitoring compound & surrogate results
  - Pesticide cleanup checks

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- Pesticide resolution checks
- Inductively coupled plasma (ICP) interference check sample results
- ICP serial dilution results
- ICP-atomic emission spectrometry interelement correction factors
- ICP linear ranges
- Results of instrument and method detection limit studies
- Analyte (pesticide) identification summaries
- Signed original chain-of-custody (COC) forms
- Laboratory sample receipt forms
- Sample preparation (extraction, digestion, etc.) logs
- Instrument and analysis run logs
- Percent moisture/percent solids determination logs
- Raw data (for example, chromatograms, quantitation reports, and mass spectra) for all samples, QC samples, and calibrations

Data were evaluated based on the following criteria (if applicable):

- Data completeness
- Sample preservation, receipt, and holding times
- Gas chromatography and mass spectrometry (GC/MS) instrument performance checks
- Gas chromatograph with electron capture detector (GC/ECD) instrument performance check
- DDT/endrin breakdown (pesticides only)
- Initial calibration
- Continuing calibration
- Calibration verification
- Initial and continuing calibration verification
- Field and laboratory blanks
- ICP interference check samples (ICS)
- System monitoring compounds (surrogates)
- MS/MSD
- Laboratory duplicate sample analysis
- Spike sample analysis
- ICP serial dilution
- Field duplicates
- LCS and LCS duplicates (LCSD)
- Sample dilution
- Re-extraction and reanalysis
- Second column confirmation
- Internal standards
- Target analyte identification
- Analyte quantitation and reported detection limits
- Tentatively identified compounds
- System performance and instrument stability

The data validation approach that was used should meet the needs of most data uses and requirements for limits on uncertainty for decision-making using the data. This approach consisted of a review of all of the data, including the raw data. This data validation effort constituted a full validation of the data and



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involved a 100 percent check against applicable acceptance criteria of all QC parameter data, including the parameters listed above. In addition, all data that pertain to analyte identification (qualitative), such as chromatograms and mass spectra, were checked completely (100 percent) to evaluate the accuracy of analyte identification.

The data validation effort also involved an in-depth quantitative check of a fraction of the data; this check involved recalculation of QC results (such as percent recoveries [%R] and relative percent difference [RPD] values) and target analyte results from the raw data. Results were recalculated at a frequency of 10 percent for the data that had been transcribed and generated by hand. Results for data calculated by software were recalculated at varying frequencies and to the extent necessary to confirm the adequacy of the software. If errors or discrepancies were encountered when any data were recalculated and checked, the extent of the data check was expanded, as necessary, to identify the full extent of the problem.

Enclosure 1 presents copies of the sample results sheets from the laboratory data packages, with hand-entered qualifications from the data validation effort. Enclosure 2 presents the same data validation-qualified analytical results in table format. Enclosure 3 presents a copy of the chain-of-custody records for the data packages. The following sections discuss the data package and provide an overall assessment of the data. This discussion concentrates on the nonconformances and other irregularities associated with the various parameters.

## **DATA COMPLETENESS**

The data packages initially received from the laboratory were missing some SVOC compounds. The revised data packages for laboratory work orders NTA1808 and NTA1891, dated March 12, 2010, are complete as submitted.

## **SAMPLE PRESERVATION, RECEIPT, AND HOLDING TIMES**

Recommended holding times were met for all sample analyses with the exception of the diluted reanalysis of LF-DW-01 for chloride, sulfate, nitrate, and nitrite, which occurred 5 weeks after sample collection. Chloride, sulfate, nitrate, and nitrite results for LF-DW-01 were qualified as estimated (J-/UJ).

The coolers arrived at the laboratory at temperatures of 1.0 and 1.8 degrees, respectively, which were below the QC limit of  $4 \pm 2$  degrees Celsius. The samples were not frozen and all containers were intact; therefore, no qualifications were applied.

## **GC/MS INSTRUMENT PERFORMANCE CHECKS**

All GC/MS instrument performance checks for the analysis of VOCs and SVOCs met the acceptance criteria.

## **GC/ECD INSTRUMENT PERFORMANCE CHECK**

All GC/ECD instrument performance checks for the analysis of PCBs met the acceptance criteria.

## **INITIAL CALIBRATION**

The initial calibrations were analyzed at the proper frequencies and concentrations and met all requirements for all analyses.

## **CONTINUING CALIBRATION**

The continuing calibrations were analyzed at the proper frequencies and concentrations and met all requirements.

## CALIBRATION VERIFICATION

The second source calibration verifications for the organic analyses and the Contract-Required Quantitation Limit (CRQL) Check Standard (referred to as CRI) for the inorganic analyses were analyzed at the proper frequencies and concentrations and met all requirements.

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

The initial and continuing calibration verifications for the inorganic analyses were analyzed at the proper frequencies and concentrations and met all requirements.

## FIELD AND LABORATORY BLANKS

Method blanks, field blanks, equipment rinsate blanks, and trip blanks were free of target analytes with the following exceptions.

For the VOC analysis, low-level concentrations of chloroform, methylene chloride, bromomethane, chloromethane, toluene, xylenes, and 1,2,3-trichlorobenzene were detected in associated method blanks at concentrations between method detection limits (MDLs) and reporting limits (RLs). Therefore, detected results less than the RLs were elevated to the RL and qualified as not detected (U). No qualifications were required for methylene chloride, bromomethane, chloromethane, toluene, xylenes, and 1,2,3-trichlorobenzene, because these compounds were not detected in the associated samples. The following results were qualified as non-detect due to blank contamination. All qualified results were raised to their respective RLs and flagged “U” as probable laboratory artifacts.

Report No.	Analytes	Affected Samples
NTA1891	Chloroform	LF-NPWE-01, LF-NPWE-01-DUP

The preparation blank for the metals analyses batch 10A3624 contained concentrations below RLs of barium and lead. In most cases, no qualifications were warranted because the associated field sample results were above the corresponding RL. However, qualifications were required for sample results below the RLs. The following results were qualified as non-detect due to blank contamination. All qualified results were raised to their respective RLs and flagged “U” as probable laboratory artifacts.

Report No.	Analytes	Affected Sample
NTA1808	Barium and lead	LF-DW-01

The preparation blank for the inorganic anion analysis contained concentrations below RLs of chloride, sulfate, and sulfide. For chloride and sulfate, no qualifications were warranted because the associated field sample results were above the corresponding RL. However, qualifications were required for sample results below the RL. The following results were qualified as non-detect due to blank contamination. Qualified results were raised to their respective RLs and flagged “U” as probable laboratory artifacts.

Report No.	Analytes	Affected Sample
NTA1808	Sulfide	LF-DW-01

Zinc was detected below the RL in rinsate blank sample (LF-RB-01). However, no data were qualified because the zinc detections in the associated soil samples are between 2 and 5 times greater than the RLs.

## INDUCTIVELY COUPLED PLASMA INTERFERENCE CHECK SAMPLES

All ICP ICS data were within the QC limits.

## SYSTEM MONITORING COMPOUNDS (SURROGATES)

All surrogate recoveries were within the laboratory-specified control limits with the following exceptions. For the VOC analyses, surrogate dibromofluoromethane was recovered at less than 20 percent, below the laboratory-specified QC limit of 75 percent, for three of the soil samples, apparently due to matrix affects. This indicates a possible low bias. All detected and non-detect results for samples LF-NPWE-01, LF-NPWE-01-DUP, and LF-NPW-02 were qualified as estimated (J-/UJ) with a possible low bias.

For the SVOC analyses, the following sample results were qualified as indicated below because of out-of-control surrogate recoveries.

Sample	Surrogate	%R	Limits (%)	Qualifier
LF-NPWE-01	Phenol-d <sub>5</sub>	5	18-120	Qualify as estimated (J-) all detected acidic compounds and reject (R) all non-detect acidic compounds
	2,4,6-Tribromophenol	2	19-120	
LF-NPWE-01-DUP	Phenol-d <sub>5</sub>	4	18-120	J- all detected acidic compounds and R all non-detect acidic compounds
	2,4,6-Tribromophenol	0.9	19-120	
LF-NPWW-01	Phenol-d <sub>5</sub>	13	18-120	J- all detected acidic compounds and R all non-detect acidic compounds
	2,4,6-Tribromophenol	1	19-120	
LF-NPW-02	Phenol-d <sub>5</sub>	12	18-120	J- all detected acidic compounds and R all non-detect acidic compounds
	2,4,6-Tribromophenol	1	19-120	
LF-TW-01	Phenol-d <sub>5</sub>	126	18-120	J+ all detected acidic compounds
	2-Fluorophenyl	133	14-120	
	2,4,6-Tribromophenol	125	19-120	

## MATRIX SPIKE/MATRIX SPIKE DUPLICATES

For the VOC analyses, MS/MSD analyses were performed on soil samples LF-NPWE-01-DUP, LF-NPWW-01, and LF-VSW-06, and water sample LF-VAW-01. All recoveries and RPDs were within the laboratory-specified QC limits with the following exceptions. For LF-NPWE-01-DUP, MS/MSD recoveries for acetone, methyl acetate and trichloroethene exceeded QC limits. Detected acetone, methyl acetate, and trichloroethene results for samples LF-NPWE-01 and LF-NPWE-01-DUP were to be qualified as estimated with a possible high bias (J+). However, low surrogate recoveries led to qualifications as estimated, biased low. Therefore, these results were qualified as estimated, bias unknown (J). The MSD recoveries of methyl acetate and 1,1,2,2-tetrachloroethane were below QC limits, and RPDs for these two compounds exceeded QC limits. Non-detect results for methyl acetate and 1,1,2,2-tetrachloroethane in samples LF-NPWE-01 and LF-NPWE-01-DUP were qualified as estimated (UJ).

For LF-NPWW-01, the MS/MSD recoveries for carbon disulfide and methyl acetate exceeded QC limits, and the RPD for carbon disulfide exceeded the QC limit. Therefore, the detected carbon disulfide result in sample LF-NPWW-01 was qualified as estimated (J+) and the non-detect methyl acetate result for sample LF-NPWW-01 was qualified as estimated (UJ). The MS/MSD recoveries of 1,2,3-trichlorobenzene were below the QC limit. Therefore, the non-detect 1,2,3-trichlorobenzene result for sample LF-NPWW-01 was qualified as estimated (UJ). For LF-VSW-06, the MS/MSD recoveries for methyl acetate exceeded the QC limit. However, no data were qualified because methyl acetate was not detected in the original sample.

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For the SVOC analyses, no MS/MSD was performed on samples analyzed under laboratory report NTA1808 due to insufficient sample volume. For laboratory report NTA1891, MS/MSD analyses were performed on sample LF-NPWW-01. All recoveries and RPDs were within the laboratory-specified QC limits, with the following exceptions. The MS and/or MSD recoveries for acenaphthene, 4-chloro-3-methylphenol, 2-chlorophenol, 2,4-dichlorophenol, dimethyl phthalate, 4,6-dinitro-2-methylphenol, 3/4-methylphenol, 2-nitrophenol, 4-nitrophenol, pentachlorophenol, phenol, 2,4,5-trichlorophenol, and 2,4,6-trichlorophenol were below QC limits. Non-detect results for sample LF-NPWW-01 for these compounds were qualified as estimated (UJ), unless previously rejected (R) due to low surrogate recoveries.

For the PCB analyses, MS/MSD analyses were either not performed or were performed on non-project samples; therefore, no results were considered for this validation.

For the metals analyses by SW846 Method 6010B, MS/MSD analyses were performed on soil sample LF-NPWW-01 and aqueous sample LF-RB-01. MS and/or MSD recoveries of magnesium and potassium were above QC limits, and lead and zinc were below QC limits for MS/MSD sample LF-NPWW-01. Therefore, the detected results for magnesium in samples LF-NPWE-01, LF-NPWE-01-DUP, LF-NPW-02, and LF-NPWW-01 were qualified as estimated with a possible high bias (J+). Detected concentrations of lead and zinc in samples LF-NPWE-01, LF-NPWE-01-DUP, LF-NPW-02, and LF-NPWW-01 were qualified as estimated with a possible low bias (J-). For the mercury analyses, MS/MSD analyses were performed on non-project samples; therefore, the results were not considered for this validation.

#### **LABORATORY DUPLICATE SAMPLE ANALYSIS**

For inorganic anion analysis by SW846 Method 9056, laboratory duplicate analysis was performed on sample LF-DW-01. The chloride RPD was outside the control limit due to a high concentration of chloride (exceeding calibration range) in the parent sample. The detected chloride result for sample LF-DW-01 was qualified as estimated (J). All other duplicate sample analyses were performed on non-project samples; therefore, results were not considered for this validation.

#### **SPIKE SAMPLE ANALYSIS**

No post digestion spikes were analyzed. No qualifications were applied for this data gap.

#### **ICP SERIAL DILUTION**

For SW846 Method 6010B, serial dilutions were performed on water sample LF-RB-01 and a non-project soil sample. The water sample percent differences were within QC limits. Because the soil sample was a non-project sample, the results were not considered for this validation. No serial dilution results were provided for the mercury analyses.

#### **FIELD DUPLICATES**

Soil samples LF-NPWE-01 and LF-NPWE-01-DUP and water samples LF-VAW-01 and LF-VAW-01-DUP were collected as a field duplicate pairs.

For the soil sample duplicate pair, all RPDs were within the QC guideline with the following exceptions. RPDs for chromium (88 percent), copper (163 percent), iron (140 percent), lead (57 percent), and manganese (80 percent) exceed the QC guideline of 50 percent for soil. These results indicate irregular distributions of some metals within the sample matrix. No qualifications were made for these field duplicate irregularities, but data users should be aware of the possibility of similar heterogeneities in other samples.



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For the water sample duplicate pair, all RPDs were within the QC guideline with the following exception. The RPD for carbon disulfide (57 percent) exceeds the QC guideline of 25 percent for water. Carbon disulfide results for samples LF-VAW-01 and LF-VAW-01-DUP were qualified as estimated (J).

### **LABORATORY CONTROL SAMPLES AND LABORATORY CONTROL SAMPLE DUPLICATES**

All LCS and LCSD results were within the QC limits with the following exceptions. For the VOC analyses, LCS and LCSD recoveries for methyl acetate exceeded the upper QC limit. However, because methyl acetate was not detected in any of the project samples, no data were qualified.

For the SVOC analyses, LCS/LCSD RPD exceeded the QC limit for bis(2-chloroethyl)ether. The bis(2-chloroethyl)ether result for associated sample LF-RB-01 was qualified as estimated (UJ). For SVOC batch 10A3612, the LCS duplicate sample was inadvertently double spiked. As a result, the LCS/LCSD RPDs were outside QC limits due to the preparation error. No data were validated because the associated results were non-detect.

### **SAMPLE DILUTION**

For the VOC, SVOC, PCB, metals, and inorganic anion analyses, some samples required dilution to place the results within the calibration range and/or to eliminate matrix interferences. This resulted in elevated RLs for the non-detected results.

Sample LF-VSW-06 was analyzed twice because the carbon disulfide result for the undiluted sample was above the calibration range. The sample was reanalyzed at a 50-fold dilution, which brought the result into calibration range. However, the laboratory inadvertently reported the undiluted result (0.312 milligrams per kilogram [mg/kg]). Therefore, the reported result was replaced with the unreported (diluted) result (0.041 J mg/kg).

### **RE-EXTRACTION AND REANALYSIS**

No re-extraction or reanalysis was required for the samples analyzed in these work orders, with the exception of the sample dilutions mentioned above.

### **INTERNAL STANDARDS**

In the VOC and SVOC analyses, the internal standard area counts and retention times in the samples were within the QC limits established using the associated continuing calibration standard data.

### **TARGET ANALYTE IDENTIFICATION**

For the VOC and SVOC analyses, unknown analyte concentrations were determined by using the average response factor from the initial calibration curve for all compounds where the percent relative standard deviations were less than or equal to 15. All other analyte concentrations were determined using linear regression analysis.

### **ANALYTE QUANTITATION AND REPORTED DETECTION LIMITS**

Sample results were checked for proper dilution factors, volumes, masses, and adjustments for moisture content. Sample results and reporting limits were correctly calculated. Sample results below the calibration range, or less than the laboratory RLs but greater than the MDLs, were appropriately qualified (J) as estimated by the laboratory.

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### **TENTATIVELY IDENTIFIED COMPOUNDS**

All tentatively identified compound (TIC) results in the volatile and semivolatile analyses with the exception of unknown compounds were qualified as tentatively identified and estimated, "NJ." Unknown compounds were qualified as estimated, "J." TIC results were checked for proper dilution factors, volumes, masses, and adjustments for moisture content. TIC results were correctly calculated.

### **SYSTEM PERFORMANCE AND INSTRUMENT STABILITY**

No signs of degraded instrument performance were observed. Analytical systems were judged to have been within control and stable during the analyses.

### **OVERALL ASSESSMENT OF DATA**

The overall quality of these data packages is acceptable with the qualifications noted above. Some non-detected results for acidic compounds were rejected due to very low surrogate recoveries. All other results can be used as qualified. The qualifications were hand entered on the laboratory data sheets provided in Enclosure 1. The qualifications were also entered electronically in the data summary tables provided in Enclosure 2.

**ENCLOSURE 1**

**LABORATORY ANALYTICAL RESULTS SHEETS WITH HAND-ENTERED DATA  
VALIDATION QUALIFIERS FOR TESTAMERICA WORK ORDERS NTA1808 AND NTA1891**

(38 Sheets)

Client: Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn: Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1808-01 (LF-DW-01 - Oil) Sampled: 01/21/10 14:26									
General Chemistry Parameters									
Chloride	5640 J-B, B1, L2		mg/kg	1000	5000	500	02/25/10 06:21	SW846 9056	10B4069
Sulfate	140000 J-B, B1		mg/kg	1000	5000	500	02/25/10 06:21	SW846 9056	10B4069
Sulfide	12.4 U J, B		mg/kg	5.00	20.0	1	01/31/10 23:00	SW846 9030B/9034	10A4039
Nitrate as N	ND U J RLT		mg/kg	4.00	20.0	20	02/25/10 06:58	SW846 9056	10B4069
Nitrite as N	1660 J-		mg/kg	100	500	500	02/25/10 06:21	SW846 9056	10B4069
pH	1.10		pH Units	0.100	0.100	1	01/27/10 13:25	SW846 9045D	10A3484
Temperature of pH determination	22.0		Deg C	NA	NA	1	01/27/10 13:25	EPA 170.1	10A3484
Total Metals by EPA Method 6010B									
Aluminum	163		mg/kg	6.12	10.0	1	01/29/10 11:50	SW846 6010B	10A3624
Antimony	ND		mg/kg	0.502	10.0	1	01/29/10 11:50	SW846 6010B	10A3624
Arsenic	ND		mg/kg	0.703	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Barium	0.663 U J, B		mg/kg	0.100	2.01	1	01/29/10 11:50	SW846 6010B	10A3624
Beryllium	ND		mg/kg	0.100	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Cadmium	ND		mg/kg	0.201	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Calcium	915		mg/kg	4.72	10.0	1	01/29/10 11:50	SW846 6010B	10A3624
Chromium	2.89		mg/kg	0.502	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Cobalt	ND		mg/kg	0.904	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Copper	ND		mg/kg	0.502	2.01	1	01/29/10 11:50	SW846 6010B	10A3624
Iron	149		mg/kg	9.94	10.0	1	01/29/10 11:50	SW846 6010B	10A3624
Lead	0.554 U J, B		mg/kg	0.402	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Magnesium	79.0		mg/kg	3.82	10.0	1	01/29/10 11:50	SW846 6010B	10A3624
Manganese	2.21		mg/kg	0.502	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Nickel	ND		mg/kg	0.703	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Potassium	ND		mg/kg	51.2	100	1	01/29/10 11:50	SW846 6010B	10A3624
Selenium	1.05	J	mg/kg	0.703	2.01	1	01/29/10 11:50	SW846 6010B	10A3624
Silver	ND		mg/kg	0.502	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Sodium	ND		mg/kg	164	201	1	01/29/10 11:50	SW846 6010B	10A3624
Thallium	ND		mg/kg	1.61	2.01	1	01/29/10 11:50	SW846 6010B	10A3624
Vanadium	ND		mg/kg	1.10	10.0	1	01/29/10 11:50	SW846 6010B	10A3624
Zinc	147		mg/kg	0.803	10.0	1	01/29/10 11:50	SW846 6010B	10A3624
Mercury by EPA Methods 7470A/7471A									
Mercury	ND		mg/kg	0.0385	0.0962	1	02/03/10 10:00	SW846 7471A	10A3578

DSK  
4/1/10

  
05/24/10



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-02 (LF-DW-02 - Oil) Sampled: 01/21/10 14:30</b>									
General Chemistry Parameters									
BTU Content	11000		BTU/Lb	100	200	1	02/05/10 06:00	ASTM D240	10B0190
Flashpoint	>200		Deg F	NA	NA	1	02/03/10 15:00	SW846 1010	10B0193
Polychlorinated Biphenyls in Oil by EPA Method 8082									
PCB-1016	ND		mg/kg	0.0738	0.129	4	01/28/10 19:58	SW846 8082	10A3604
PCB-1221	ND		mg/kg	0.0427	0.129	4	01/28/10 19:58	SW846 8082	10A3604
PCB-1232	ND		mg/kg	0.0777	0.129	4	01/28/10 19:58	SW846 8082	10A3604
PCB-1242	ND		mg/kg	0.0544	0.129	4	01/28/10 19:58	SW846 8082	10A3604
PCB-1248	ND		mg/kg	0.0427	0.129	4	01/28/10 19:58	SW846 8082	10A3604
PCB-1254	ND		mg/kg	0.0738	0.129	4	01/28/10 19:58	SW846 8082	10A3604
PCB-1260	ND		mg/kg	0.0544	0.129	4	01/28/10 19:58	SW846 8082	10A3604
Surr: Tetrachloro-meta-xylene (19-147%)	96 %					4	01/28/10 19:58	SW846 8082	10A3604
Surr: Decachlorobiphenyl (20-150%)	88 %					4	01/28/10 19:58	SW846 8082	10A3604
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND	RL1	mg/kg	47.5	495	5	01/31/10 14:51	SW846 8270C	10A3606
Acenaphthylene	ND	RL1	mg/kg	46.0	495	5	01/31/10 14:51	SW846 8270C	10A3606
Acetophenone	ND	RL1	mg/kg	52.0	495	5	01/31/10 14:51	SW846 8270C	10A3606
Anthracene	ND	RL1	mg/kg	49.0	495	5	01/31/10 14:51	SW846 8270C	10A3606
Atrazine	ND	RL1	mg/kg	108	495	5	01/31/10 14:51	SW846 8270C	10A3606
Benzaldehyde	ND	L2, RL1	mg/kg	441	2480	5	01/31/10 14:51	SW846 8270C	10A3606
Benzo (a) anthracene	ND	RL1	mg/kg	56.4	495	5	01/31/10 14:51	SW846 8270C	10A3606
Benzo (b) fluoranthene	ND	RL1	mg/kg	44.6	495	5	01/31/10 14:51	SW846 8270C	10A3606
Benzo (a) pyrene	ND	RL1	mg/kg	44.6	495	5	01/31/10 14:51	SW846 8270C	10A3606
Benzo (g,h,i) perylene	ND	RL1	mg/kg	44.6	495	5	01/31/10 14:51	SW846 8270C	10A3606
Benzoic acid	ND	RL1	mg/kg	576	2480	5	01/31/10 14:51	SW846 8270C	10A3606
Benzo (k) fluoranthene	ND	RL1	mg/kg	44.6	495	5	01/31/10 14:51	SW846 8270C	10A3606
Biphenyl	ND	RL1	mg/kg	154	495	5	01/31/10 14:51	SW846 8270C	10A3606
4-Bromophenyl phenyl ether	ND	RL1	mg/kg	141	495	5	01/31/10 14:51	SW846 8270C	10A3606
Butyl benzyl phthalate	ND	RL1	mg/kg	132	495	5	01/31/10 14:51	SW846 8270C	10A3606
4-Chloro-3-methylphenol	ND	RL1	mg/kg	153	495	5	01/31/10 14:51	SW846 8270C	10A3606
4-Chloroaniline	ND	RL1	mg/kg	362	495	5	01/31/10 14:51	SW846 8270C	10A3606
Caprolactam	ND	RL1	mg/kg	151	495	5	01/31/10 14:51	SW846 8270C	10A3606
Carbazole	ND	RL1	mg/kg	165	495	5	01/31/10 14:51	SW846 8270C	10A3606
2-Chloronaphthalene	ND	RL1	mg/kg	101	495	5	01/31/10 14:51	SW846 8270C	10A3606
Bis(2-chloroethoxy)methane	ND	RL1	mg/kg	163	495	5	01/31/10 14:51	SW846 8270C	10A3606
Bis(2-chloroethyl)ether	ND	RL1	mg/kg	200	495	5	01/31/10 14:51	SW846 8270C	10A3606
Bis(2-chloroisopropyl)ether	ND	RL1	mg/kg	151	495	5	01/31/10 14:51	SW846 8270C	10A3606
2-Chlorophenol	ND	RL1	mg/kg	162	495	5	01/31/10 14:51	SW846 8270C	10A3606
4-Chlorophenyl phenyl ether	ND	RL1	mg/kg	165	495	5	01/31/10 14:51	SW846 8270C	10A3606
Chrysene	ND	RL1	mg/kg	59.4	495	5	01/31/10 14:51	SW846 8270C	10A3606
Dibenz (a,h) anthracene	ND	RL1	mg/kg	46.0	495	5	01/31/10 14:51	SW846 8270C	10A3606
Dibenzofuran	ND	RL1	mg/kg	132	495	5	01/31/10 14:51	SW846 8270C	10A3606
Di-n-butyl phthalate	ND	RL1	mg/kg	128	495	5	01/31/10 14:51	SW846 8270C	10A3606
3,3-Dichlorobenzidine	ND	RL1	mg/kg	373	991	5	01/31/10 14:51	SW846 8270C	10A3606
2,4-Dichlorophenol	ND	RL1	mg/kg	129	495	5	01/31/10 14:51	SW846 8270C	10A3606
Diethyl phthalate	ND	RL1	mg/kg	74.3	495	5	01/31/10 14:51	SW846 8270C	10A3606
2,4-Dimethylphenol	ND	RL1	mg/kg	417	495	5	01/31/10 14:51	SW846 8270C	10A3606



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-02 (LF-DW-02 - Oil) - cont. Sampled: 01/21/10 14:30</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Dimethyl phthalate	ND	RL1	mg/kg	131	495	5	01/31/10 14:51	SW846 8270C	10A3606
4,6-Dinitro-2-methylphenol	ND	RL1	mg/kg	171	1240	5	01/31/10 14:51	SW846 8270C	10A3606
2,4-Dinitrophenol	ND	RL1	mg/kg	200	1240	5	01/31/10 14:51	SW846 8270C	10A3606
2,6-Dinitrotoluene	ND	RL1	mg/kg	96.5	495	5	01/31/10 14:51	SW846 8270C	10A3606
2,4-Dinitrotoluene	ND	RL1	mg/kg	131	495	5	01/31/10 14:51	SW846 8270C	10A3606
Di-n-octyl phthalate	ND	RL1	mg/kg	92.1	495	5	01/31/10 14:51	SW846 8270C	10A3606
Bis(2-ethylhexyl)phthalate	ND	RL1	mg/kg	165	495	5	01/31/10 14:51	SW846 8270C	10A3606
Fluoranthene	ND	RL1	mg/kg	50.5	495	5	01/31/10 14:51	SW846 8270C	10A3606
Fluorene	ND	RL1	mg/kg	53.5	495	5	01/31/10 14:51	SW846 8270C	10A3606
Hexachlorobenzene	ND	RL1	mg/kg	123	495	5	01/31/10 14:51	SW846 8270C	10A3606
Hexachlorobutadiene	ND	RL1	mg/kg	160	495	5	01/31/10 14:51	SW846 8270C	10A3606
Hexachlorocyclopentadiene	ND	RL1	mg/kg	165	495	5	01/31/10 14:51	SW846 8270C	10A3606
Hexachloroethane	ND	RL1	mg/kg	156	495	5	01/31/10 14:51	SW846 8270C	10A3606
Indeno (1,2,3-cd) pyrene	ND	RL1	mg/kg	46.0	495	5	01/31/10 14:51	SW846 8270C	10A3606
Isophorone	ND	RL1	mg/kg	101	495	5	01/31/10 14:51	SW846 8270C	10A3606
2-Methylnaphthalene	ND	RL1	mg/kg	49.0	495	5	01/31/10 14:51	SW846 8270C	10A3606
2-Methylphenol	ND	RL1	mg/kg	199	495	5	01/31/10 14:51	SW846 8270C	10A3606
3/4-Methylphenol	ND	RL1	mg/kg	230	495	5	01/31/10 14:51	SW846 8270C	10A3606
Naphthalene	ND	RL1	mg/kg	60.9	495	5	01/31/10 14:51	SW846 8270C	10A3606
2-Nitroaniline	ND	RL1	mg/kg	165	1240	5	01/31/10 14:51	SW846 8270C	10A3606
3-Nitroaniline	ND	RL1	mg/kg	405	1240	5	01/31/10 14:51	SW846 8270C	10A3606
4-Nitroaniline	ND	RL1	mg/kg	374	1240	5	01/31/10 14:51	SW846 8270C	10A3606
Nitrobenzene	ND	RL1	mg/kg	157	495	5	01/31/10 14:51	SW846 8270C	10A3606
2-Nitrophenol	ND	RL1	mg/kg	293	495	5	01/31/10 14:51	SW846 8270C	10A3606
4-Nitrophenol	ND	RL1	mg/kg	410	1240	5	01/31/10 14:51	SW846 8270C	10A3606
N-Nitrosodiphenylamine	ND	RL1	mg/kg	162	495	5	01/31/10 14:51	SW846 8270C	10A3606
N-Nitrosodi-n-propylamine	ND	RL1	mg/kg	181	495	5	01/31/10 14:51	SW846 8270C	10A3606
Pentachlorophenol	ND	RL1	mg/kg	116	1240	5	01/31/10 14:51	SW846 8270C	10A3606
Phenanthrene	ND	RL1	mg/kg	50.5	495	5	01/31/10 14:51	SW846 8270C	10A3606
Phenol	ND	RL1	mg/kg	92.1	495	5	01/31/10 14:51	SW846 8270C	10A3606
Pyrene	ND	RL1	mg/kg	60.9	495	5	01/31/10 14:51	SW846 8270C	10A3606
1,2,4,5-Tetrachlorobenzene	ND	RL1	mg/kg	68.3	2480	5	01/31/10 14:51	SW846 8270C	10A3606
2,3,4,6-Tetrachlorophenol	ND	RL1	mg/kg	55.0	495	5	01/31/10 14:51	SW846 8270C	10A3606
2,4,5-Trichlorophenol	ND	RL1	mg/kg	108	1240	5	01/31/10 14:51	SW846 8270C	10A3606
2,4,6-Trichlorophenol	ND	RL1	mg/kg	129	495	5	01/31/10 14:51	SW846 8270C	10A3606
Surr: Phenol-d5 (18-120%)	26 %								
Surr: 2-Fluorobiphenyl (14-120%)	92 %					5	01/31/10 14:51	SW846 8270C	10A3606
Surr: Nitrobenzene-d5 (17-120%)	63 %					5	01/31/10 14:51	SW846 8270C	10A3606
Surr: Terphenyl-d14 (18-120%)	87 %					5	01/31/10 14:51	SW846 8270C	10A3606
Surr: 2,4,6-Tribromophenol (19-120%)	92 %					5	01/31/10 14:51	SW846 8270C	10A3606

DJK  
4/7/10



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-03 (LF-DW-03 - Oil) Sampled: 01/22/10 09:50</b>									
General Chemistry Parameters									
BTU Content	472		BTU/Lb	100	200	1	02/05/10 06:00	ASTM D240	10B0190
Flashpoint	>200		Deg F	NA	NA	1	02/03/10 15:00	SW846 1010	10B0193
Polychlorinated Biphenyls in Oil by EPA Method 8082									
PCB-1016	ND		mg/kg	0.0745	0.131	4	01/28/10 20:18	SW846 8082	10A3604
PCB-1221	ND		mg/kg	0.0431	0.131	4	01/28/10 20:18	SW846 8082	10A3604
PCB-1232	ND		mg/kg	0.0784	0.131	4	01/28/10 20:18	SW846 8082	10A3604
PCB-1242	ND		mg/kg	0.0549	0.131	4	01/28/10 20:18	SW846 8082	10A3604
PCB-1248	ND		mg/kg	0.0431	0.131	4	01/28/10 20:18	SW846 8082	10A3604
PCB-1254	ND		mg/kg	0.0745	0.131	4	01/28/10 20:18	SW846 8082	10A3604
PCB-1260	ND		mg/kg	0.0549	0.131	4	01/28/10 20:18	SW846 8082	10A3604
Surr: Tetrachloro-meta-xylene (19-147%)	64 %					4	01/28/10 20:18	SW846 8082	10A3604
Surr: Decachlorobiphenyl (20-150%)	96 %					4	01/28/10 20:18	SW846 8082	10A3604
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND	RL1	mg/kg	47.5	495	5	01/28/10 16:27	SW846 8270C	10A3606
Acenaphthylene	ND	RL1	mg/kg	46.0	495	5	01/28/10 16:27	SW846 8270C	10A3606
Acetophenone	ND	RL1	mg/kg	52.0	495	5	01/28/10 16:27	SW846 8270C	10A3606
Anthracene	ND	RL1	mg/kg	49.0	495	5	01/28/10 16:27	SW846 8270C	10A3606
Atrazine	ND	RL1	mg/kg	108	495	5	01/28/10 16:27	SW846 8270C	10A3606
Benzaldehyde	ND	L2, RL1	mg/kg	441	2480	5	01/28/10 16:27	SW846 8270C	10A3606
Benzo (a) anthracene	ND	RL1	mg/kg	56.4	495	5	01/28/10 16:27	SW846 8270C	10A3606
Benzo (b) fluoranthene	ND	RL1	mg/kg	44.6	495	5	01/28/10 16:27	SW846 8270C	10A3606
Benzo (a) pyrene	ND	RL1	mg/kg	44.6	495	5	01/28/10 16:27	SW846 8270C	10A3606
Benzo (g,h,i) perylene	ND	RL1	mg/kg	44.6	495	5	01/28/10 16:27	SW846 8270C	10A3606
Benzoic acid	ND	RL1	mg/kg	576	2480	5	01/28/10 16:27	SW846 8270C	10A3606
Benzo (k) fluoranthene	ND	RL1	mg/kg	44.6	495	5	01/28/10 16:27	SW846 8270C	10A3606
Biphenyl	ND	RL1	mg/kg	154	495	5	01/28/10 16:27	SW846 8270C	10A3606
4-Bromophenyl phenyl ether	ND	RL1	mg/kg	141	495	5	01/28/10 16:27	SW846 8270C	10A3606
Butyl benzyl phthalate	ND	RL1	mg/kg	132	495	5	01/28/10 16:27	SW846 8270C	10A3606
4-Chloro-3-methylphenol	ND	RL1	mg/kg	153	495	5	01/28/10 16:27	SW846 8270C	10A3606
4-Chloroaniline	ND	RL1	mg/kg	362	495	5	01/28/10 16:27	SW846 8270C	10A3606
Caprolactam	ND	RL1	mg/kg	151	495	5	01/28/10 16:27	SW846 8270C	10A3606
Carbazole	ND	RL1	mg/kg	165	495	5	01/28/10 16:27	SW846 8270C	10A3606
2-Chloronaphthalene	ND	RL1	mg/kg	101	495	5	01/28/10 16:27	SW846 8270C	10A3606
Bis(2-chloroethoxy)methane	ND	RL1	mg/kg	163	495	5	01/28/10 16:27	SW846 8270C	10A3606
Bis(2-chloroethyl)ether	ND	RL1	mg/kg	200	495	5	01/28/10 16:27	SW846 8270C	10A3606
Bis(2-chloroisopropyl)ether	ND	RL1	mg/kg	151	495	5	01/28/10 16:27	SW846 8270C	10A3606
2-Chlorophenol	ND	RL1	mg/kg	162	495	5	01/28/10 16:27	SW846 8270C	10A3606
4-Chlorophenyl phenyl ether	ND	RL1	mg/kg	165	495	5	01/28/10 16:27	SW846 8270C	10A3606
Chrysene	ND	RL1	mg/kg	59.4	495	5	01/28/10 16:27	SW846 8270C	10A3606
Dibenz (a,h) anthracene	ND	RL1	mg/kg	46.0	495	5	01/28/10 16:27	SW846 8270C	10A3606
Dibenzofuran	ND	RL1	mg/kg	132	495	5	01/28/10 16:27	SW846 8270C	10A3606
Di-n-butyl phthalate	ND	RL1	mg/kg	128	495	5	01/28/10 16:27	SW846 8270C	10A3606
3,3-Dichlorobenzidine	ND	RL1	mg/kg	373	991	5	01/28/10 16:27	SW846 8270C	10A3606
2,4-Dichlorophenol	ND	RL1	mg/kg	129	495	5	01/28/10 16:27	SW846 8270C	10A3606
Diethyl phthalate	ND	RL1	mg/kg	74.3	495	5	01/28/10 16:27	SW846 8270C	10A3606
2,4-Dimethylphenol	ND	RL1	mg/kg	417	495	5	01/28/10 16:27	SW846 8270C	10A3606



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-03 (LF-DW-03 - Oil) - cont. Sampled: 01/22/10 09:50</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Dimethyl phthalate	ND	RL1	mg/kg	131	495	5	01/28/10 16:27	SW846 8270C	10A3606
4,6-Dinitro-2-methylphenol	ND	RL1	mg/kg	171	1240	5	01/28/10 16:27	SW846 8270C	10A3606
2,4-Dinitrophenol	ND	RL1	mg/kg	200	1240	5	01/28/10 16:27	SW846 8270C	10A3606
2,6-Dinitrotoluene	ND	RL1	mg/kg	96.5	495	5	01/28/10 16:27	SW846 8270C	10A3606
2,4-Dinitrotoluene	ND	RL1	mg/kg	131	495	5	01/28/10 16:27	SW846 8270C	10A3606
Di-n-octyl phthalate	ND	RL1	mg/kg	92.1	495	5	01/28/10 16:27	SW846 8270C	10A3606
Bis(2-ethylhexyl)phthalate	ND	RL1	mg/kg	165	495	5	01/28/10 16:27	SW846 8270C	10A3606
Fluoranthene	ND	RL1	mg/kg	50.5	495	5	01/28/10 16:27	SW846 8270C	10A3606
Fluorene	ND	RL1	mg/kg	53.5	495	5	01/28/10 16:27	SW846 8270C	10A3606
Hexachlorobenzene	ND	RL1	mg/kg	123	495	5	01/28/10 16:27	SW846 8270C	10A3606
Hexachlorobutadiene	ND	RL1	mg/kg	160	495	5	01/28/10 16:27	SW846 8270C	10A3606
Hexachlorocyclopentadiene	ND	RL1	mg/kg	165	495	5	01/28/10 16:27	SW846 8270C	10A3606
Hexachloroethane	ND	RL1	mg/kg	156	495	5	01/28/10 16:27	SW846 8270C	10A3606
Indeno (1,2,3-cd) pyrene	ND	RL1	mg/kg	46.0	495	5	01/28/10 16:27	SW846 8270C	10A3606
Isophorone	ND	RL1	mg/kg	101	495	5	01/28/10 16:27	SW846 8270C	10A3606
2-Methylnaphthalene	91.1	J, RL1	mg/kg	49.0	495	5	01/28/10 16:27	SW846 8270C	10A3606
2-Methylphenol	ND	RL1	mg/kg	199	495	5	01/28/10 16:27	SW846 8270C	10A3606
3/4-Methylphenol	ND	RL1	mg/kg	230	495	5	01/28/10 16:27	SW846 8270C	10A3606
Naphthalene	ND	RL1	mg/kg	60.9	495	5	01/28/10 16:27	SW846 8270C	10A3606
2-Nitroaniline	ND	RL1	mg/kg	165	1240	5	01/28/10 16:27	SW846 8270C	10A3606
3-Nitroaniline	ND	RL1	mg/kg	405	1240	5	01/28/10 16:27	SW846 8270C	10A3606
4-Nitroaniline	ND	RL1	mg/kg	374	1240	5	01/28/10 16:27	SW846 8270C	10A3606
Nitrobenzene	ND	RL1	mg/kg	157	495	5	01/28/10 16:27	SW846 8270C	10A3606
2-Nitrophenol	ND	RL1	mg/kg	293	495	5	01/28/10 16:27	SW846 8270C	10A3606
4-Nitrophenol	ND	RL1	mg/kg	410	1240	5	01/28/10 16:27	SW846 8270C	10A3606
N-Nitrosodiphenylamine	ND	RL1	mg/kg	162	495	5	01/28/10 16:27	SW846 8270C	10A3606
N-Nitrosodi-n-propylamine	ND	RL1	mg/kg	181	495	5	01/28/10 16:27	SW846 8270C	10A3606
Pentachlorophenol	ND	RL1	mg/kg	116	1240	5	01/28/10 16:27	SW846 8270C	10A3606
Phenanthrene	ND	RL1	mg/kg	50.5	495	5	01/28/10 16:27	SW846 8270C	10A3606
Phenol	ND	RL1	mg/kg	92.1	495	5	01/28/10 16:27	SW846 8270C	10A3606
Pyrene	ND	RL1	mg/kg	60.9	495	5	01/28/10 16:27	SW846 8270C	10A3606
1,2,4,5-Tetrachlorobenzene	ND	RL1	mg/kg	68.3	2480	5	01/28/10 16:27	SW846 8270C	10A3606
2,3,4,6-Tetrachlorophenol	ND	RL1	mg/kg	55.0	495	5	01/28/10 16:27	SW846 8270C	10A3606
2,4,5-Trichlorophenol	ND	RL1	mg/kg	108	1240	5	01/28/10 16:27	SW846 8270C	10A3606
2,4,6-Trichlorophenol	ND	RL1	mg/kg	129	495	5	01/28/10 16:27	SW846 8270C	10A3606
Surr: Phenol-d5 (18-120%)	80 %					5	01/28/10 16:27	SW846 8270C	10A3606
Surr: 2-Fluorobiphenyl (14-120%)	106 %					5	01/28/10 16:27	SW846 8270C	10A3606
Surr: Nitrobenzene-d5 (17-120%)	82 %					5	01/28/10 16:27	SW846 8270C	10A3606
Surr: Terphenyl-d14 (18-120%)	95 %					5	01/28/10 16:27	SW846 8270C	10A3606
Surr: 2,4,6-Tribromophenol (19-120%)	105 %					5	01/28/10 16:27	SW846 8270C	10A3606

DJK  
4/4/10



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-04 (LF-TW-01 - Oil) Sampled: 01/21/10 14:39</b>									
General Chemistry Parameters									
BTU Content	13900		BTU/Lb	100	200	1	02/05/10 06:00	ASTM D240	10B0190
Flashpoint	>200		Deg F	NA	NA	1	02/03/10 15:00	SW846 1010	10B0193
Polychlorinated Biphenyls in Oil by EPA Method 8082									
PCB-1016	ND		mg/kg	0.0738	0.129	4	01/28/10 20:38	SW846 8082	10A3604
PCB-1221	ND		mg/kg	0.0427	0.129	4	01/28/10 20:38	SW846 8082	10A3604
PCB-1232	ND		mg/kg	0.0777	0.129	4	01/28/10 20:38	SW846 8082	10A3604
PCB-1242	ND		mg/kg	0.0544	0.129	4	01/28/10 20:38	SW846 8082	10A3604
PCB-1248	ND		mg/kg	0.0427	0.129	4	01/28/10 20:38	SW846 8082	10A3604
PCB-1254	ND		mg/kg	0.0738	0.129	4	01/28/10 20:38	SW846 8082	10A3604
PCB-1260	ND		mg/kg	0.0544	0.129	4	01/28/10 20:38	SW846 8082	10A3604
Surr: Tetrachloro-meta-xylene (19-147%)	88 %					4	01/28/10 20:38	SW846 8082	10A3604
Surr: Decachlorobiphenyl (20-150%)	80 %					4	01/28/10 20:38	SW846 8082	10A3604
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND	RL1	mg/kg	48.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Acenaphthylene	ND	RL1	mg/kg	46.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
Acetophenone	ND	RL1	mg/kg	52.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
Anthracene	ND	RL1	mg/kg	49.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
Atrazine	ND	RL1	mg/kg	110	500	5	01/28/10 16:48	SW846 8270C	10A3606
Benzaldehyde	ND	L2, RL1	mg/kg	446	2500	5	01/28/10 16:48	SW846 8270C	10A3606
Benzo (a) anthracene	ND	RL1	mg/kg	57.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Benzo (b) fluoranthene	ND	RL1	mg/kg	45.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Benzo (a) pyrene	ND	RL1	mg/kg	45.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Benzo (g,h,i) perylene	ND	RL1	mg/kg	45.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Benzoic acid	ND	RL1	mg/kg	582	2500	5	01/28/10 16:48	SW846 8270C	10A3606
Benzo (k) fluoranthene	ND	RL1	mg/kg	45.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Biphenyl	ND	RL1	mg/kg	156	500	5	01/28/10 16:48	SW846 8270C	10A3606
4-Bromophenyl phenyl ether	ND	RL1	mg/kg	142	500	5	01/28/10 16:48	SW846 8270C	10A3606
Butyl benzyl phthalate	ND	RL1	mg/kg	134	500	5	01/28/10 16:48	SW846 8270C	10A3606
4-Chloro-3-methylphenol	ND	RL1	mg/kg	154	500	5	01/28/10 16:48	SW846 8270C	10A3606
4-Chloroaniline	ND	RL1	mg/kg	366	500	5	01/28/10 16:48	SW846 8270C	10A3606
Caprolactam	ND	RL1	mg/kg	153	500	5	01/28/10 16:48	SW846 8270C	10A3606
Carbazole	ND	RL1	mg/kg	166	500	5	01/28/10 16:48	SW846 8270C	10A3606
2-Chloronaphthalene	ND	RL1	mg/kg	102	500	5	01/28/10 16:48	SW846 8270C	10A3606
Bis(2-chloroethoxy)methane	ND	RL1	mg/kg	165	500	5	01/28/10 16:48	SW846 8270C	10A3606
Bis(2-chloroethyl)ether	ND	RL1	mg/kg	202	500	5	01/28/10 16:48	SW846 8270C	10A3606
Bis(2-chloroisopropyl)ether	ND	RL1	mg/kg	153	500	5	01/28/10 16:48	SW846 8270C	10A3606
2-Chlorophenol	ND	RL1	mg/kg	164	500	5	01/28/10 16:48	SW846 8270C	10A3606
4-Chlorophenyl phenyl ether	ND	RL1	mg/kg	166	500	5	01/28/10 16:48	SW846 8270C	10A3606
Chrysene	ND	RL1	mg/kg	60.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Dibenz (a,h) anthracene	ND	RL1	mg/kg	46.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
Dibenzofuran	ND	RL1	mg/kg	134	500	5	01/28/10 16:48	SW846 8270C	10A3606
Di-n-butyl phthalate	ND	RL1	mg/kg	129	500	5	01/28/10 16:48	SW846 8270C	10A3606
3,3-Dichlorobenzidine	ND	RL1	mg/kg	376	1000	5	01/28/10 16:48	SW846 8270C	10A3606
2,4-Dichlorophenol	ND	RL1	mg/kg	130	500	5	01/28/10 16:48	SW846 8270C	10A3606
Diethyl phthalate	ND	RL1	mg/kg	75.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
2,4-Dimethylphenol	ND	RL1	mg/kg	422	500	5	01/28/10 16:48	SW846 8270C	10A3606



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-04 (LF-TW-01 - Oil) - cont. Sampled: 01/21/10 14:39</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Dimethyl phthalate	ND	RL1	mg/kg	132	500	5	01/28/10 16:48	SW846 8270C	10A3606
4,6-Dinitro-2-methylphenol	ND	RL1	mg/kg	172	1250	5	01/28/10 16:48	SW846 8270C	10A3606
2,4-Dinitrophenol	ND	RL1	mg/kg	202	1250	5	01/28/10 16:48	SW846 8270C	10A3606
2,6-Dinitrotoluene	ND	RL1	mg/kg	97.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
2,4-Dinitrotoluene	ND	RL1	mg/kg	132	500	5	01/28/10 16:48	SW846 8270C	10A3606
Di-n-octyl phthalate	ND	RL1	mg/kg	93.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Bis(2-ethylhexyl)phthalate	ND	RL1	mg/kg	166	500	5	01/28/10 16:48	SW846 8270C	10A3606
Fluoranthene	ND	RL1	mg/kg	51.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Fluorene	ND	RL1	mg/kg	54.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Hexachlorobenzene	ND	RL1	mg/kg	124	500	5	01/28/10 16:48	SW846 8270C	10A3606
Hexachlorobutadiene	ND	RL1	mg/kg	162	500	5	01/28/10 16:48	SW846 8270C	10A3606
Hexachlorocyclopentadiene	ND	RL1	mg/kg	166	500	5	01/28/10 16:48	SW846 8270C	10A3606
Hexachloroethane	ND	RL1	mg/kg	158	500	5	01/28/10 16:48	SW846 8270C	10A3606
Indeno (1,2,3-cd) pyrene	ND	RL1	mg/kg	46.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
Isophorone	ND	RL1	mg/kg	102	500	5	01/28/10 16:48	SW846 8270C	10A3606
2-Methylnaphthalene	ND	RL1	mg/kg	49.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
2-Methylphenol	ND	RL1	mg/kg	201	500	5	01/28/10 16:48	SW846 8270C	10A3606
3/4-Methylphenol	ND	RL1	mg/kg	232	500	5	01/28/10 16:48	SW846 8270C	10A3606
Naphthalene	ND	RL1	mg/kg	61.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
2-Nitroaniline	ND	RL1	mg/kg	166	1250	5	01/28/10 16:48	SW846 8270C	10A3606
3-Nitroaniline	ND	RL1	mg/kg	410	1250	5	01/28/10 16:48	SW846 8270C	10A3606
4-Nitroaniline	ND	RL1	mg/kg	378	1250	5	01/28/10 16:48	SW846 8270C	10A3606
Nitrobenzene	ND	RL1	mg/kg	159	500	5	01/28/10 16:48	SW846 8270C	10A3606
2-Nitrophenol	ND	RL1	mg/kg	296	500	5	01/28/10 16:48	SW846 8270C	10A3606
4-Nitrophenol	ND	RL1	mg/kg	414	1250	5	01/28/10 16:48	SW846 8270C	10A3606
N-Nitrosodiphenylamine	ND	RL1	mg/kg	164	500	5	01/28/10 16:48	SW846 8270C	10A3606
N-Nitrosodi-n-propylamine	ND	RL1	mg/kg	183	500	5	01/28/10 16:48	SW846 8270C	10A3606
Pentachlorophenol	ND	RL1	mg/kg	117	1250	5	01/28/10 16:48	SW846 8270C	10A3606
Phenanthrene	ND	RL1	mg/kg	51.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Phenol	ND	RL1	mg/kg	93.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Pyrene	ND	RL1	mg/kg	61.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
1,2,4,5-Tetrachlorobenzene	ND	RL1	mg/kg	69.0	2500	5	01/28/10 16:48	SW846 8270C	10A3606
2,3,4,6-Tetrachlorophenol	ND	RL1	mg/kg	55.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
2,4,5-Trichlorophenol	ND	RL1	mg/kg	110	1250	5	01/28/10 16:48	SW846 8270C	10A3606
2,4,6-Trichlorophenol	ND	RL1	mg/kg	130	500	5	01/28/10 16:48	SW846 8270C	10A3606
Surr: Phenol-d5 (18-120%)	126 %	Z3				5	01/28/10 16:48	SW846 8270C	10A3606
Surr: 2-Fluorobiphenyl (14-120%)	133 %	ZX				5	01/28/10 16:48	SW846 8270C	10A3606
Surr: Nitrobenzene-d5 (17-120%)	69 %					5	01/28/10 16:48	SW846 8270C	10A3606
Surr: Terphenyl-d14 (18-120%)	103 %					5	01/28/10 16:48	SW846 8270C	10A3606
Surr: 2,4,6-Tribromophenol (19-120%)	125 %	Z10				5	01/28/10 16:48	SW846 8270C	10A3606

DJL  
4/7/10

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-05 (LF-TW-02 - Oil) Sampled: 01/21/10 15:00</b>									
Polychlorinated Biphenyls in Oil by EPA Method 8082									
PCB-1016	ND		mg/kg	0.0752	0.132	4	01/28/10 20:59	SW846 8082	10A3604
PCB-1221	ND		mg/kg	0.0436	0.132	4	01/28/10 20:59	SW846 8082	10A3604
PCB-1232	ND		mg/kg	0.0792	0.132	4	01/28/10 20:59	SW846 8082	10A3604
PCB-1242	ND		mg/kg	0.0554	0.132	4	01/28/10 20:59	SW846 8082	10A3604
PCB-1248	ND		mg/kg	0.0436	0.132	4	01/28/10 20:59	SW846 8082	10A3604
PCB-1254	ND		mg/kg	0.0752	0.132	4	01/28/10 20:59	SW846 8082	10A3604
PCB-1260	2.81		mg/kg	0.0554	0.132	4	01/28/10 20:59	SW846 8082	10A3604
Surr: Tetrachloro-meta-xylene (19-147%)	64 %					4	01/28/10 20:59	SW846 8082	10A3604
Surr: Decachlorobiphenyl (20-150%)	88 %					4	01/28/10 20:59	SW846 8082	10A3604

DTL  
4/7/10



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-01 (LF-NPWE-01 - Soil) Sampled: 01/20/10 10:40									
Total Metals by EPA Method 6010B									
Aluminum	2720		mg/kg	60.9	99.8	10	01/29/10 13:18	SW846 6010B	10A3624
Antimony	ND		mg/kg	4.99	99.8	10	01/29/10 13:18	SW846 6010B	10A3624
Arsenic	ND		mg/kg	6.99	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Barium	60.5		mg/kg	0.998	20.0	10	01/29/10 13:18	SW846 6010B	10A3624
Beryllium	ND		mg/kg	0.998	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Cadmium	ND		mg/kg	2.00	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Calcium	165000		mg/kg	46.9	99.8	10	01/29/10 13:18	SW846 6010B	10A3624
Chromium	8.78		mg/kg	4.99	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Cobalt	ND		mg/kg	8.98	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Copper	8.98		mg/kg	4.99	20.0	10	01/29/10 13:18	SW846 6010B	10A3624
Iron	9560		mg/kg	98.8	99.8	10	01/29/10 13:18	SW846 6010B	10A3624
Lead	68.5	J-	mg/kg	3.99	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Magnesium	2140	J+	mg/kg	37.9	99.8	10	01/29/10 13:18	SW846 6010B	10A3624
Manganese	211		mg/kg	4.99	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Nickel	ND		mg/kg	6.99	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Potassium	ND		mg/kg	509	998	10	01/29/10 13:18	SW846 6010B	10A3624
Selenium	ND		mg/kg	6.99	20.0	10	01/29/10 13:18	SW846 6010B	10A3624
Silver	ND		mg/kg	4.99	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Sodium	ND		mg/kg	1630	2000	10	01/29/10 13:18	SW846 6010B	10A3624
Thallium	ND		mg/kg	16.0	20.0	10	01/29/10 13:18	SW846 6010B	10A3624
Vanadium	ND		mg/kg	11.0	99.8	10	01/29/10 13:18	SW846 6010B	10A3624
Zinc	470	J-	mg/kg	7.98	99.8	10	01/29/10 13:18	SW846 6010B	10A3624
Mercury by EPA Methods 7470A/7471A									
Mercury	1.80		mg/kg	0.193	0.483	5	02/03/10 10:45	SW846 7471A	10A3578
Volatile Organic Compounds by EPA Method 8260B									
Acetone	0.540	J	mg/kg	0.0227	0.0455	1	01/30/10 13:31	SW846 8260B	10A3560
Benzene	ND	UJ	mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Bromochloromethane	ND		mg/kg	0.000927	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Bromodichloromethane	ND		mg/kg	0.000364	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Bromoform	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Bromomethane	ND		mg/kg	0.000582	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
2-Butanone	ND		mg/kg	0.0155	0.0455	1	01/30/10 13:31	SW846 8260B	10A3560
Carbon disulfide	0.713	J-	mg/kg	0.000609	0.00455	1	01/30/10 13:31	SW846 8260B	10A3560
Carbon Tetrachloride	ND	UJ	mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Chlorobenzene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Chlorodibromomethane	ND		mg/kg	0.000345	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Chloroethane	ND		mg/kg	0.000382	0.00455	1	01/30/10 13:31	SW846 8260B	10A3560
Chloroform	0.000655	UJ	mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Chloromethane	ND		mg/kg	0.000909	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Cyclohexane	ND		mg/kg	0.000391	0.00909	1	01/30/10 13:31	SW846 8260B	10A3560
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.00309	0.00455	1	01/30/10 13:31	SW846 8260B	10A3560
1,2-Dibromoethane (EDB)	ND		mg/kg	0.000473	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Methylcyclohexane	ND		mg/kg	0.00300	0.00909	1	01/30/10 13:31	SW846 8260B	10A3560
1,2-Dichlorobenzene	ND		mg/kg	0.000391	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,3-Dichlorobenzene	ND		mg/kg	0.000391	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,4-Dichlorobenzene	ND		mg/kg	0.000655	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-01 (LF-NPWE-01 - Soil) - cont. Sampled: 01/20/10 10:40</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Dichlorodifluoromethane	ND	45	mg/kg	0.00145	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,2-Dichloroethane	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,1-Dichloroethane	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,1-Dichloroethene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
trans-1,2-Dichloroethene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,1,2-Trifluoroethane	ND		mg/kg	0.000536	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
cis-1,2-Dichloroethene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,2-Dichloropropane	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
trans-1,3-Dichloropropene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
cis-1,3-Dichloropropene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Ethylbenzene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
2-Hexanone	0.0172	J-	mg/kg	0.0155	0.0455	1	01/30/10 13:31	SW846 8260B	10A3560
Isopropylbenzene	ND	45	mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Methyl Acetate	ND		mg/kg	0.00182	0.00909	1	01/30/10 13:31	SW846 8260B	10A3560
Methyl tert-Butyl Ether	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Methylene Chloride	ND		mg/kg	0.00182	0.00909	1	01/30/10 13:31	SW846 8260B	10A3560
4-Methyl-2-pentanone	ND		mg/kg	0.00264	0.0455	1	01/30/10 13:31	SW846 8260B	10A3560
Styrene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Tetrachloroethene	ND		mg/kg	0.000364	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Toluene	ND		mg/kg	0.000364	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,2,4-Trichlorobenzene	ND		mg/kg	0.000927	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,2,3-Trichlorobenzene	ND		mg/kg	0.000836	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,1,1-Trichloroethane	ND		mg/kg	0.000364	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,1,2-Trichloroethane	ND		mg/kg	0.00101	0.00455	1	01/30/10 13:31	SW846 8260B	10A3560
Trichloroethene	ND		mg/kg	0.000755	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Trichlorofluoromethane	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Vinyl chloride	ND		mg/kg	0.000745	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Xylenes, total	ND		mg/kg	0.00118	0.00455	1	01/30/10 13:31	SW846 8260B	10A3560
Surr: 1,2-Dichloroethane-d4 (67-138%)	104 %					1	01/30/10 13:31	SW846 8260B	10A3560
Surr: Dibromofluoromethane (75-125%)	8 %	ZX				1	01/30/10 13:31	SW846 8260B	10A3560
Surr: Toluene-d8 (76-129%)	106 %					1	01/30/10 13:31	SW846 8260B	10A3560
Surr: 4-Bromofluorobenzene (67-147%)	121 %					1	01/30/10 13:31	SW846 8260B	10A3560
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND		mg/kg	0.0318	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Acenaphthylene	ND		mg/kg	0.0308	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Acetophenone	ND		mg/kg	0.0348	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Anthracene	ND		mg/kg	0.0328	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Atrazine	ND		mg/kg	0.0726	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Benzaldehyde	ND		mg/kg	0.296	1.66	1	01/31/10 18:11	SW846 8270C	10A3612
Benzo (a) anthracene	ND		mg/kg	0.0378	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Benzo (b) fluoranthene	ND		mg/kg	0.0299	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Benzo (a) pyrene	ND		mg/kg	0.0299	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Benzo (g,h,i) perylene	ND		mg/kg	0.0299	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Benzo (k) fluoranthene	ND		mg/kg	0.0299	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Biphenyl	ND		mg/kg	0.103	0.331	1	01/31/10 18:11	SW846 8270C	10A3612



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-01 (LF-NPWE-01 - Soil) - cont. Sampled: 01/20/10 10:40									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
4-Bromophenyl phenyl ether	ND		mg/kg	0.0945	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Butyl benzyl phthalate	ND		mg/kg	0.0886	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
4-Chloro-3-methylphenol	ND	R	mg/kg	0.102	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
4-Chloroaniline	ND		mg/kg	0.243	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Caprolactam	ND		mg/kg	0.101	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Carbazole	ND		mg/kg	0.110	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2-Chloronaphthalene	ND		mg/kg	0.0677	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Bis(2-chloroethoxy)methane	ND		mg/kg	0.109	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Bis(2-chloroethyl)ether	ND		mg/kg	0.134	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.101	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2-Chlorophenol	ND	R	mg/kg	0.108	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
4-Chlorophenyl phenyl ether	ND		mg/kg	0.110	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Chrysene	ND		mg/kg	0.0398	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Dibenz (a,h) anthracene	ND		mg/kg	0.0308	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Dibenzofuran	ND		mg/kg	0.0886	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Di-n-butyl phthalate	ND		mg/kg	0.0856	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
3,3-Dichlorobenzidine	ND		mg/kg	0.250	0.664	1	01/31/10 18:11	SW846 8270C	10A3612
2,4-Dichlorophenol	ND	R	mg/kg	0.0866	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2,6-Dichlorophenol	ND	R	mg/kg	0.147	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Diethyl phthalate	ND		mg/kg	0.0498	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2,4-Dimethylphenol	ND	R	mg/kg	0.280	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Dimethyl phthalate	ND		mg/kg	0.0876	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
4,6-Dinitro-2-methylphenol	ND	R	mg/kg	0.114	0.829	1	01/31/10 18:11	SW846 8270C	10A3612
2,4-Dinitrophenol	ND	R	mg/kg	0.134	0.829	1	01/31/10 18:11	SW846 8270C	10A3612
2,6-Dinitrotoluene	ND		mg/kg	0.0647	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2,4-Dinitrotoluene	ND		mg/kg	0.0876	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Di-n-octyl phthalate	ND		mg/kg	0.0617	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.110	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Fluoranthene	ND		mg/kg	0.0338	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Fluorene	ND		mg/kg	0.0358	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Hexachlorobenzene	ND		mg/kg	0.0826	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Hexachlorobutadiene	ND		mg/kg	0.107	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Hexachlorocyclopentadiene	ND		mg/kg	0.110	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Hexachloroethane	ND		mg/kg	0.104	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Indeno (1,2,3-cd) pyrene	ND		mg/kg	0.0308	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Isophorone	ND		mg/kg	0.0677	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2-Methylnaphthalene	ND		mg/kg	0.0328	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2-Methylphenol	ND	R	mg/kg	0.133	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
3/4-Methylphenol	ND	R	mg/kg	0.154	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Naphthalene	ND		mg/kg	0.0408	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2-Nitroaniline	ND		mg/kg	0.110	0.829	1	01/31/10 18:11	SW846 8270C	10A3612
3-Nitroaniline	ND		mg/kg	0.272	0.829	1	01/31/10 18:11	SW846 8270C	10A3612
4-Nitroaniline	ND		mg/kg	0.251	0.829	1	01/31/10 18:11	SW846 8270C	10A3612
Nitrobenzene	ND		mg/kg	0.105	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2-Nitrophenol	ND	R	mg/kg	0.196	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
4-Nitrophenol	ND	R	mg/kg	0.275	0.829	1	01/31/10 18:11	SW846 8270C	10A3612
N-Nitrosodiphenylamine	ND		mg/kg	0.108	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
N-Nitrosodi-n-propylamine	ND		mg/kg	0.121	0.331	1	01/31/10 18:11	SW846 8270C	10A3612

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-01 (LF-NPWE-01 - Soil) - cont. Sampled: 01/20/10 10:40</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Pentachlorophenol	ND	R	mg/kg	0.0776	0.829	1	01/31/10 18:11	SW846 8270C	10A3612
Phenanthrene	ND		mg/kg	0.0338	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Phenol	ND	R	mg/kg	0.0617	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Pyrene	ND		mg/kg	0.0408	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.0458	1.66	1	01/31/10 18:11	SW846 8270C	10A3612
2,4,5-Trichlorophenol	ND	R	mg/kg	0.0726	0.829	1	01/31/10 18:11	SW846 8270C	10A3612
2,4,6-Trichlorophenol	ND	R	mg/kg	0.0866	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Surr: Phenol-d5 (18-120%)	5 %	ZX				1	01/31/10 18:11	SW846 8270C	10A3612
Surr: 2-Fluorobiphenyl (14-120%)	58 %					1	01/31/10 18:11	SW846 8270C	10A3612
Surr: Nitrobenzene-d5 (17-120%)	64 %					1	01/31/10 18:11	SW846 8270C	10A3612
Surr: Terphenyl-d14 (18-120%)	60 %					1	01/31/10 18:11	SW846 8270C	10A3612
Surr: 2,4,6-Tribromophenol (19-120%)	2 %	ZX				1	01/31/10 18:11	SW846 8270C	10A3612
<b>Sample ID: NTA1891-02 (LF-NPWE-01-DUP - Soil) Sampled: 01/20/10 10:55</b>									
Total Metals by EPA Method 6010B									
Aluminum	2590		mg/kg	60.2	98.6	10	01/29/10 13:22	SW846 6010B	10A3624
Antimony	7.89		mg/kg	4.93	98.6	10	01/29/10 13:22	SW846 6010B	10A3624
Arsenic	ND		mg/kg	6.90	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Barium	76.9		mg/kg	0.986	19.7	10	01/29/10 13:22	SW846 6010B	10A3624
Beryllium	ND		mg/kg	0.986	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Cadmium	ND		mg/kg	1.97	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Calcium	108000		mg/kg	46.4	98.6	10	01/29/10 13:22	SW846 6010B	10A3624
Chromium	22.7		mg/kg	4.93	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Cobalt	ND		mg/kg	8.88	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Copper	87.4		mg/kg	4.93	19.7	10	01/29/10 13:22	SW846 6010B	10A3624
Iron	54200		mg/kg	97.6	98.6	10	01/29/10 13:22	SW846 6010B	10A3624
Lead	123	J-	mg/kg	3.94	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Magnesium	2490	J+	mg/kg	37.5	98.6	10	01/29/10 13:22	SW846 6010B	10A3624
Manganese	492		mg/kg	4.93	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Nickel	57.4		mg/kg	6.90	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Potassium	ND		mg/kg	503	986	10	01/29/10 13:22	SW846 6010B	10A3624
Selenium	10.3		mg/kg	6.90	19.7	10	01/29/10 13:22	SW846 6010B	10A3624
Silver	ND		mg/kg	4.93	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Sodium	ND		mg/kg	1610	1970	10	01/29/10 13:22	SW846 6010B	10A3624
Thallium	ND		mg/kg	15.8	19.7	10	01/29/10 13:22	SW846 6010B	10A3624
Vanadium	ND		mg/kg	10.8	98.6	10	01/29/10 13:22	SW846 6010B	10A3624
Zinc	477	J-	mg/kg	7.89	98.6	10	01/29/10 13:22	SW846 6010B	10A3624
Mercury by EPA Methods 7470A/7471A									
Mercury	1.78		mg/kg	0.194	0.486	5	02/03/10 10:47	SW846 7471A	10A3578
Volatile Organic Compounds by EPA Method 8260B									
Acetone	0.374	J	mg/kg	0.0248	0.0496	1	01/30/10 14:01	SW846 8260B	10A3560
Benzene	ND	UJ	mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Bromochloromethane	ND		mg/kg	0.00101	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Bromodichloromethane	ND	I	mg/kg	0.000397	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Bromoform	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560

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Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-02 (LF-NPWE-01-DUP - Soil) - cont. Sampled: 01/20/10 10:55									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Bromomethane	ND	UJ	mg/kg	0.000635	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
2-Butanone	0.0332	J-	mg/kg	0.0169	0.0496	1	01/30/10 14:01	SW846 8260B	10A3560
Carbon disulfide	0.936	J- B	mg/kg	0.000665	0.00496	1	01/30/10 14:01	SW846 8260B	10A3560
Carbon Tetrachloride	ND	UJ	mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Chlorobenzene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Chlorodibromomethane	ND		mg/kg	0.000377	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Chloroethane	ND		mg/kg	0.000417	0.00496	1	01/30/10 14:01	SW846 8260B	10A3560
Chloroform	0.000843	B UJ	mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Chloromethane	ND	UJ	mg/kg	0.000992	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Cyclohexane	ND		mg/kg	0.000427	0.00992	1	01/30/10 14:01	SW846 8260B	10A3560
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.00337	0.00496	1	01/30/10 14:01	SW846 8260B	10A3560
1,2-Dibromoethane (EDB)	ND		mg/kg	0.000516	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Methylcyclohexane	ND		mg/kg	0.00327	0.00992	1	01/30/10 14:01	SW846 8260B	10A3560
1,2-Dichlorobenzene	ND		mg/kg	0.000427	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,3-Dichlorobenzene	ND		mg/kg	0.000427	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,4-Dichlorobenzene	ND		mg/kg	0.000714	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Dichlorodifluoromethane	ND		mg/kg	0.00159	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,2-Dichloroethane	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,1-Dichloroethane	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,1-Dichloroethene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
trans-1,2-Dichloroethene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,1,2-Trifluoroethane	ND		mg/kg	0.000585	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
cis-1,2-Dichloroethene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,2-Dichloropropane	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
trans-1,3-Dichloropropene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
cis-1,3-Dichloropropene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Ethylbenzene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
2-Hexanone	ND		mg/kg	0.0169	0.0496	1	01/30/10 14:01	SW846 8260B	10A3560
Isopropylbenzene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Methyl Acetate	ND	T	mg/kg	0.00198	0.00992	1	01/30/10 14:01	SW846 8260B	10A3560
Methyl tert-Butyl Ether	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Methylene Chloride	ND		mg/kg	0.00198	0.00992	1	01/30/10 14:01	SW846 8260B	10A3560
4-Methyl-2-pentanone	ND		mg/kg	0.00288	0.0496	1	01/30/10 14:01	SW846 8260B	10A3560
Styrene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Tetrachloroethene	ND		mg/kg	0.000397	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Toluene	ND		mg/kg	0.000397	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,2,4-Trichlorobenzene	ND		mg/kg	0.00101	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,2,3-Trichlorobenzene	ND		mg/kg	0.000913	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,1,1-Trichloroethane	ND		mg/kg	0.000397	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,1,2-Trichloroethane	ND		mg/kg	0.00110	0.00496	1	01/30/10 14:01	SW846 8260B	10A3560
Trichloroethene	ND		mg/kg	0.000823	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Trichlorofluoromethane	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Vinyl chloride	ND		mg/kg	0.000813	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Xylenes, total	ND		mg/kg	0.00129	0.00496	1	01/30/10 14:01	SW846 8260B	10A3560
Surr: 1,2-Dichloroethane-d4 (67-138%)	95 %					1	01/30/10 14:01	SW846 8260B	10A3560
Surr: Dibromofluoromethane (75-125%)	19 %	ZX				1	01/30/10 14:01	SW846 8260B	10A3560

DJK  
4/1/10



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-02 (LF-NPWE-01-DUP - Soil) - cont. Sampled: 01/20/10 10:55</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Surr: Toluene-d8 (76-129%)	108 %					1	01/30/10 14:01	SW846 8260B	10A3560
Surr: 4-Bromofluorobenzene (67-147%)	120 %					1	01/30/10 14:01	SW846 8260B	10A3560
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND		mg/kg	0.0317	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Acenaphthylene	ND		mg/kg	0.0308	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Acetophenone	ND		mg/kg	0.0347	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Anthracene	ND		mg/kg	0.0327	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Atrazine	ND		mg/kg	0.0724	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Benzaldehyde	ND		mg/kg	0.295	1.66	1	01/31/10 18:31	SW846 8270C	10A3612
Benzo (a) anthracene	0.0711		mg/kg	0.0377	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Benzo (b) fluoranthene	ND		mg/kg	0.0298	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Benzo (a) pyrene	ND		mg/kg	0.0298	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Benzo (g,h,i) perylene	ND		mg/kg	0.0298	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Benzo (k) fluoranthene	ND		mg/kg	0.0298	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Biphenyl	ND		mg/kg	0.103	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
4-Bromophenyl phenyl ether	ND		mg/kg	0.0942	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Butyl benzyl phthalate	ND		mg/kg	0.0883	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
4-Chloro-3-methylphenol	ND	R	mg/kg	0.102	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
4-Chloroaniline	ND		mg/kg	0.242	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Caprolactam	ND		mg/kg	0.101	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Carbazole	ND		mg/kg	0.110	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2-Chloronaphthalene	ND		mg/kg	0.0675	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Bis(2-chloroethoxy)methane	ND		mg/kg	0.109	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Bis(2-chloroethyl)ether	ND		mg/kg	0.134	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.101	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2-Chlorophenol	ND	R	mg/kg	0.108	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
4-Chlorophenyl phenyl ether	ND		mg/kg	0.110	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Chrysene	0.0734		mg/kg	0.0397	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Dibenz (a,h) anthracene	ND		mg/kg	0.0308	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Dibenzofuran	0.117		mg/kg	0.0883	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Di-n-butyl phthalate	ND		mg/kg	0.0853	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
3,3-Dichlorobenzidine	ND		mg/kg	0.249	0.662	1	01/31/10 18:31	SW846 8270C	10A3612
2,4-Dichlorophenol	ND	R	mg/kg	0.0863	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2,6-Dichlorophenol	ND	R	mg/kg	0.147	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Diethyl phthalate	ND		mg/kg	0.0496	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2,4-Dimethylphenol	ND	R	mg/kg	0.279	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Dimethyl phthalate	ND		mg/kg	0.0873	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
4,6-Dinitro-2-methylphenol	ND	R	mg/kg	0.114	0.826	1	01/31/10 18:31	SW846 8270C	10A3612
2,4-Dinitrophenol	ND	R	mg/kg	0.134	0.826	1	01/31/10 18:31	SW846 8270C	10A3612
2,6-Dinitrotoluene	ND		mg/kg	0.0645	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2,4-Dinitrotoluene	ND		mg/kg	0.0873	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Di-n-octyl phthalate	ND		mg/kg	0.0615	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.110	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Fluoranthene	ND		mg/kg	0.0337	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Fluorene	ND		mg/kg	0.0357	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Hexachlorobenzene	ND		mg/kg	0.0823	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Hexachlorobutadiene	ND		mg/kg	0.107	0.330	1	01/31/10 18:31	SW846 8270C	10A3612

DJK  
4/11/10

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-02 (LF-NPWE-01-DUP - Soil) - cont. Sampled: 01/20/10 10:55									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Hexachlorocyclopentadiene	ND		mg/kg	0.110	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Hexachloroethane	ND		mg/kg	0.104	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Indeno (1,2,3-cd) pyrene	ND		mg/kg	0.0308	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Isophorone	ND		mg/kg	0.0675	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2-Methylnaphthalene	ND		mg/kg	0.0327	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2-Methylphenol	ND	R	mg/kg	0.133	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
3/4-Methylphenol	ND	R	mg/kg	0.154	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Naphthalene	ND		mg/kg	0.0407	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2-Nitroaniline	ND		mg/kg	0.110	0.826	1	01/31/10 18:31	SW846 8270C	10A3612
3-Nitroaniline	ND		mg/kg	0.271	0.826	1	01/31/10 18:31	SW846 8270C	10A3612
4-Nitroaniline	ND		mg/kg	0.250	0.826	1	01/31/10 18:31	SW846 8270C	10A3612
Nitrobenzene	ND		mg/kg	0.105	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2-Nitrophenol	ND	R	mg/kg	0.195	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
4-Nitrophenol	ND	R	mg/kg	0.274	0.826	1	01/31/10 18:31	SW846 8270C	10A3612
N-Nitrosodiphenylamine	ND		mg/kg	0.108	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
N-Nitrosodi-n-propylamine	ND		mg/kg	0.121	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Pentachlorophenol	ND	R	mg/kg	0.0774	0.826	1	01/31/10 18:31	SW846 8270C	10A3612
Phenanthrene	ND		mg/kg	0.0337	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Phenol	ND	R	mg/kg	0.0615	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Pyrene	0.0843		mg/kg	0.0407	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.0456	1.66	1	01/31/10 18:31	SW846 8270C	10A3612
2,4,5-Trichlorophenol	ND	R	mg/kg	0.0724	0.826	1	01/31/10 18:31	SW846 8270C	10A3612
2,4,6-Trichlorophenol	ND	R	mg/kg	0.0863	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Surr: Phenol-d5 (18-120%)	4 %	ZX				1	01/31/10 18:31	SW846 8270C	10A3612
Surr: 2-Fluorobiphenyl (14-120%)	42 %					1	01/31/10 18:31	SW846 8270C	10A3612
Surr: Nitrobenzene-d5 (17-120%)	51 %					1	01/31/10 18:31	SW846 8270C	10A3612
Surr: Terphenyl-d14 (18-120%)	45 %					1	01/31/10 18:31	SW846 8270C	10A3612
Surr: 2,4,6-Tribromophenol (19-120%)	0.9 %	ZX				1	01/31/10 18:31	SW846 8270C	10A3612

DJK  
4/1/10



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-03 (LF-NPWW-01 - Soil) Sampled: 01/20/10 10:45									
Total Metals by EPA Method 6010B									
Aluminum	3800		mg/kg	60.5	99.2	10	01/29/10 13:27	SW846 6010B	10A3624
Antimony	ND		mg/kg	4.96	99.2	10	01/29/10 13:27	SW846 6010B	10A3624
Arsenic	19.8		mg/kg	6.94	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Barium	108		mg/kg	0.992	19.8	10	01/29/10 13:27	SW846 6010B	10A3624
Beryllium	ND		mg/kg	0.992	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Cadmium	ND		mg/kg	1.98	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Calcium	139000		mg/kg	46.6	99.2	10	01/29/10 13:27	SW846 6010B	10A3624
Chromium	ND		mg/kg	4.96	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Cobalt	ND		mg/kg	8.93	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Copper	9.52		mg/kg	4.96	19.8	10	01/29/10 13:27	SW846 6010B	10A3624
Iron	4880		mg/kg	98.2	99.2	10	01/29/10 13:27	SW846 6010B	10A3624
Lead	28.1	J-	mg/kg	3.97	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Magnesium	2010	J+	mg/kg	37.7	99.2	10	01/29/10 13:27	SW846 6010B	10A3624
Manganese	115		mg/kg	4.96	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Nickel	ND		mg/kg	6.94	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Potassium	ND	M+	mg/kg	506	992	10	01/29/10 13:27	SW846 6010B	10A3624
Selenium	9.27		mg/kg	6.94	19.8	10	01/29/10 13:27	SW846 6010B	10A3624
Silver	ND		mg/kg	4.96	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Sodium	ND		mg/kg	1620	1980	10	01/29/10 13:27	SW846 6010B	10A3624
Thallium	ND		mg/kg	15.9	19.8	10	01/29/10 13:27	SW846 6010B	10A3624
Vanadium	ND		mg/kg	10.9	99.2	10	01/29/10 13:27	SW846 6010B	10A3624
Zinc	310	J-	mg/kg	7.94	99.2	10	01/29/10 13:27	SW846 6010B	10A3624
Mercury by EPA Methods 7470A/7471A									
Mercury	1.02		mg/kg	0.0793	0.198	2	02/03/10 10:49	SW846 7471A	10A3578
Volatile Organic Compounds by EPA Method 8260B									
Acetone	0.148		mg/kg	0.0264	0.0527	1	01/30/10 14:32	SW846 8260B	10A3560
Benzene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Bromochloromethane	ND		mg/kg	0.00108	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Bromodichloromethane	ND		mg/kg	0.000422	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Bromoform	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Bromomethane	ND		mg/kg	0.000675	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
2-Butanone	ND		mg/kg	0.0179	0.0527	1	01/30/10 14:32	SW846 8260B	10A3560
Carbon disulfide	0.0899	J+ M+	mg/kg	0.000707	0.00527	1	01/30/10 14:32	SW846 8260B	10A3560
Carbon Tetrachloride	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Chlorobenzene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Chlorodibromomethane	ND		mg/kg	0.000401	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Chloroethane	ND		mg/kg	0.000443	0.00527	1	01/30/10 14:32	SW846 8260B	10A3560
Chloroform	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Chloromethane	ND		mg/kg	0.00105	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Cyclohexane	ND		mg/kg	0.000454	0.0105	1	01/30/10 14:32	SW846 8260B	10A3560
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.00359	0.00527	1	01/30/10 14:32	SW846 8260B	10A3560
1,2-Dibromoethane (EDB)	ND		mg/kg	0.000549	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Methylcyclohexane	ND		mg/kg	0.00348	0.0105	1	01/30/10 14:32	SW846 8260B	10A3560
1,2-Dichlorobenzene	ND		mg/kg	0.000454	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,3-Dichlorobenzene	ND		mg/kg	0.000454	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,4-Dichlorobenzene	ND		mg/kg	0.000759	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-03 (LF-NPWW-01 - Soil) - cont. Sampled: 01/20/10 10:45									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Dichlorodifluoromethane	ND		mg/kg	0.00169	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,2-Dichloroethane	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,1-Dichloroethane	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,1-Dichloroethene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
trans-1,2-Dichloroethene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,1,2-Trifluorotrichloroethane	ND		mg/kg	0.000622	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
cis-1,2-Dichloroethene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,2-Dichloropropane	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
trans-1,3-Dichloropropene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
cis-1,3-Dichloropropene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Ethylbenzene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
2-Hexanone	ND		mg/kg	0.0179	0.0527	1	01/30/10 14:32	SW846 8260B	10A3560
Isopropylbenzene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Methyl Acetate	ND	UJ L, M	mg/kg	0.00211	0.0105	1	01/30/10 14:32	SW846 8260B	10A3560
Methyl tert-Butyl Ether	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Methylene Chloride	ND		mg/kg	0.00211	0.0105	1	01/30/10 14:32	SW846 8260B	10A3560
4-Methyl-2-pentanone	ND		mg/kg	0.00306	0.0527	1	01/30/10 14:32	SW846 8260B	10A3560
Styrene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Tetrachloroethene	ND		mg/kg	0.000422	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Toluene	ND		mg/kg	0.000422	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,2,4-Trichlorobenzene	ND		mg/kg	0.00108	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,2,3-Trichlorobenzene	ND	UJ M	mg/kg	0.000970	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,1,1-Trichloroethane	ND		mg/kg	0.000422	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,1,2-Trichloroethane	ND		mg/kg	0.00117	0.00527	1	01/30/10 14:32	SW846 8260B	10A3560
Trichloroethene	ND		mg/kg	0.000876	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Trichlorofluoromethane	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Vinyl chloride	ND		mg/kg	0.000865	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Xylenes, total	ND		mg/kg	0.00137	0.00527	1	01/30/10 14:32	SW846 8260B	10A3560
Surr: 1,2-Dichloroethane-d4 (67-138%)	103 %					1	01/30/10 14:32	SW846 8260B	10A3560
Surr: Dibromofluoromethane (75-125%)	103 %					1	01/30/10 14:32	SW846 8260B	10A3560
Surr: Toluene-d8 (76-129%)	102 %					1	01/30/10 14:32	SW846 8260B	10A3560
Surr: 4-Bromofluorobenzene (67-147%)	103 %					1	01/30/10 14:32	SW846 8260B	10A3560
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND	UJ	mg/kg	0.0317	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Acenaphthylene	ND		mg/kg	0.0307	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Acetophenone	ND		mg/kg	0.0347	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Anthracene	ND		mg/kg	0.0327	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Atrazine	ND		mg/kg	0.0723	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Benzaldehyde	ND		mg/kg	0.294	1.66	1	01/31/10 18:52	SW846 8270C	10A3612
Benzo (a) anthracene	ND		mg/kg	0.0377	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Benzo (b) fluoranthene	ND		mg/kg	0.0297	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Benzo (a) pyrene	ND		mg/kg	0.0297	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Benzo (g,h,i) perylene	ND		mg/kg	0.0297	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Benzo (k) fluoranthene	ND		mg/kg	0.0297	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Biphenyl	ND		mg/kg	0.103	0.330	1	01/31/10 18:52	SW846 8270C	10A3612

DJK  
4/1/10



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-03 (LF-NPWW-01 - Soil) - cont. Sampled: 01/20/10 10:45									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
4-Bromophenyl phenyl ether	ND		mg/kg	0.0942	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Butyl benzyl phthalate	ND		mg/kg	0.0882	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
4-Chloro-3-methylphenol	ND	R	mg/kg	0.102	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
4-Chloroaniline	ND		mg/kg	0.242	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Caprolactam	ND		mg/kg	0.101	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Carbazole	ND		mg/kg	0.110	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2-Chloronaphthalene	ND		mg/kg	0.0674	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Bis(2-chloroethoxy)methane	ND		mg/kg	0.109	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Bis(2-chloroethyl)ether	ND		mg/kg	0.134	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.101	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2-Chlorophenol	ND	R	mg/kg	0.108	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
4-Chlorophenyl phenyl ether	ND		mg/kg	0.110	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Chrysene	ND		mg/kg	0.0396	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Dibenz (a,h) anthracene	ND		mg/kg	0.0307	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Dibenzofuran	ND		mg/kg	0.0882	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Di-n-butyl phthalate	ND		mg/kg	0.0852	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
3,3-Dichlorobenzidine	ND		mg/kg	0.249	0.661	1	01/31/10 18:52	SW846 8270C	10A3612
2,4-Dichlorophenol	ND	R	mg/kg	0.0862	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2,6-Dichlorophenol	ND	R	mg/kg	0.147	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Diethyl phthalate	ND		mg/kg	0.0496	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2,4-Dimethylphenol	ND		mg/kg	0.278	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Dimethyl phthalate	ND		mg/kg	0.0872	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
4,6-Dinitro-2-methylphenol	ND	R	mg/kg	0.114	0.826	1	01/31/10 18:52	SW846 8270C	10A3612
2,4-Dinitrophenol	ND	R	mg/kg	0.134	0.826	1	01/31/10 18:52	SW846 8270C	10A3612
2,6-Dinitrotoluene	ND		mg/kg	0.0644	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2,4-Dinitrotoluene	ND		mg/kg	0.0872	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Di-n-octyl phthalate	ND		mg/kg	0.0614	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.110	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Fluoranthene	ND		mg/kg	0.0337	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Fluorene	ND		mg/kg	0.0357	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Hexachlorobenzene	ND		mg/kg	0.0823	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Hexachlorobutadiene	ND		mg/kg	0.107	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Hexachlorocyclopentadiene	ND		mg/kg	0.110	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Hexachloroethane	ND		mg/kg	0.104	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Indeno (1,2,3-cd) pyrene	ND		mg/kg	0.0307	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Isophorone	ND		mg/kg	0.0674	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2-Methylnaphthalene	ND		mg/kg	0.0327	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2-Methylphenol	ND	R	mg/kg	0.133	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
3/4-Methylphenol	ND	R	mg/kg	0.154	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Naphthalene	ND		mg/kg	0.0406	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2-Nitroaniline	ND		mg/kg	0.110	0.826	1	01/31/10 18:52	SW846 8270C	10A3612
3-Nitroaniline	ND		mg/kg	0.271	0.826	1	01/31/10 18:52	SW846 8270C	10A3612
4-Nitroaniline	ND		mg/kg	0.250	0.826	1	01/31/10 18:52	SW846 8270C	10A3612
Nitrobenzene	ND		mg/kg	0.105	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2-Nitrophenol	ND	R	mg/kg	0.195	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
4-Nitrophenol	ND	R	mg/kg	0.274	0.826	1	01/31/10 18:52	SW846 8270C	10A3612
N-Nitrosodiphenylamine	ND		mg/kg	0.108	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
N-Nitrosodi-n-propylamine	ND		mg/kg	0.121	0.330	1	01/31/10 18:52	SW846 8270C	10A3612

DSK  
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Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-03 (LF-NPWW-01 - Soil) - cont. Sampled: 01/20/10 10:45</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Pentachlorophenol	ND	R	mg/kg	0.0773	0.826	1	01/31/10 18:52	SW846 8270C	10A3612
Phenanthrene	ND		mg/kg	0.0337	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Phenol	ND	R	mg/kg	0.0614	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Pyrene	ND		mg/kg	0.0406	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.0456	1.66	1	01/31/10 18:52	SW846 8270C	10A3612
2,4,5-Trichlorophenol	ND	R	mg/kg	0.0723	0.826	1	01/31/10 18:52	SW846 8270C	10A3612
2,4,6-Trichlorophenol	ND	R	mg/kg	0.0862	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Surr: Phenol-d5 (18-120%)	13 %	ZX				1	01/31/10 18:52	SW846 8270C	10A3612
Surr: 2-Fluorobiphenyl (14-120%)	52 %					1	01/31/10 18:52	SW846 8270C	10A3612
Surr: Nitrobenzene-d5 (17-120%)	74 %					1	01/31/10 18:52	SW846 8270C	10A3612
Surr: Terphenyl-d14 (18-120%)	59 %					1	01/31/10 18:52	SW846 8270C	10A3612
Surr: 2,4,6-Tribromophenol (19-120%)	1 %	ZX				1	01/31/10 18:52	SW846 8270C	10A3612
<b>Sample ID: NTA1891-04 (LF-NPW-02 - Soil) Sampled: 01/20/10 11:00</b>									
Total Metals by EPA Method 6010B									
Aluminum	4280		mg/kg	60.8	99.6	10	01/29/10 13:58	SW846 6010B	10A3624
Antimony	ND		mg/kg	4.98	99.6	10	01/29/10 13:58	SW846 6010B	10A3624
Arsenic	ND		mg/kg	6.97	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Barium	54.2		mg/kg	0.996	19.9	10	01/29/10 13:58	SW846 6010B	10A3624
Beryllium	ND		mg/kg	0.996	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Cadmium	ND		mg/kg	1.99	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Calcium	212000		mg/kg	46.8	99.6	10	01/29/10 13:58	SW846 6010B	10A3624
Chromium	19.3		mg/kg	4.98	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Cobalt	ND		mg/kg	8.96	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Copper	ND		mg/kg	4.98	19.9	10	01/29/10 13:58	SW846 6010B	10A3624
Iron	3680		mg/kg	98.6	99.6	10	01/29/10 13:58	SW846 6010B	10A3624
Lead	18.6	J-	mg/kg	3.98	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Magnesium	3390	J+	mg/kg	37.8	99.6	10	01/29/10 13:58	SW846 6010B	10A3624
Manganese	145		mg/kg	4.98	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Nickel	11.8		mg/kg	6.97	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Potassium	ND		mg/kg	508	996	10	01/29/10 13:58	SW846 6010B	10A3624
Selenium	ND		mg/kg	6.97	19.9	10	01/29/10 13:58	SW846 6010B	10A3624
Silver	ND		mg/kg	4.98	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Sodium	ND		mg/kg	1620	1990	10	01/29/10 13:58	SW846 6010B	10A3624
Thallium	ND		mg/kg	15.9	19.9	10	01/29/10 13:58	SW846 6010B	10A3624
Vanadium	ND		mg/kg	11.0	99.6	10	01/29/10 13:58	SW846 6010B	10A3624
Zinc	235	J-	mg/kg	7.97	99.6	10	01/29/10 13:58	SW846 6010B	10A3624
Mercury by EPA Methods 7470A/7471A									
Mercury	1.24		mg/kg	0.199	0.498	5	02/03/10 10:51	SW846 7471A	10A3578
Volatile Organic Compounds by EPA Method 8260B									
Acetone	0.0897	J	mg/kg	0.0237	0.0473	1	01/30/10 15:02	SW846 8260B	10A3560
Benzene	ND	4J	mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Bromochloromethane	ND		mg/kg	0.000966	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Bromodichloromethane	ND		mg/kg	0.000379	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Bromoform	ND	I	mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560

DJK  
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Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-04 (LF-NPW-02 - Soil) - cont. Sampled: 01/20/10 11:00									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Bromomethane	ND	uJ	mg/kg	0.000606	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
2-Butanone	ND	uJ	mg/kg	0.0161	0.0473	1	01/30/10 15:02	SW846 8260B	10A3560
Carbon disulfide	0.0634	uJ	mg/kg	0.000634	0.00473	1	01/30/10 15:02	SW846 8260B	10A3560
Carbon Tetrachloride	ND	uJ	mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Chlorobenzene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Chlorodibromomethane	ND		mg/kg	0.000360	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Chloroethane	ND		mg/kg	0.000398	0.00473	1	01/30/10 15:02	SW846 8260B	10A3560
Chloroform	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Chloromethane	ND		mg/kg	0.000947	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Cyclohexane	ND		mg/kg	0.000407	0.00947	1	01/30/10 15:02	SW846 8260B	10A3560
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.00322	0.00473	1	01/30/10 15:02	SW846 8260B	10A3560
1,2-Dibromoethane (EDB)	ND		mg/kg	0.000492	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Methylcyclohexane	ND		mg/kg	0.00312	0.00947	1	01/30/10 15:02	SW846 8260B	10A3560
1,2-Dichlorobenzene	ND		mg/kg	0.000407	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,3-Dichlorobenzene	ND		mg/kg	0.000407	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,4-Dichlorobenzene	ND		mg/kg	0.000682	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Dichlorodifluoromethane	ND		mg/kg	0.00152	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,2-Dichloroethane	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,1-Dichloroethane	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,1-Dichloroethene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
trans-1,2-Dichloroethene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,1,2-Trifluorotrichloroethane	ND		mg/kg	0.000559	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
cis-1,2-Dichloroethene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,2-Dichloropropane	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
trans-1,3-Dichloropropene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
cis-1,3-Dichloropropene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Ethylbenzene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
2-Hexanone	ND		mg/kg	0.0161	0.0473	1	01/30/10 15:02	SW846 8260B	10A3560
Isopropylbenzene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Methyl Acetate	ND		mg/kg	0.00189	0.00947	1	01/30/10 15:02	SW846 8260B	10A3560
Methyl tert-Butyl Ether	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Methylene Chloride	ND		mg/kg	0.00189	0.00947	1	01/30/10 15:02	SW846 8260B	10A3560
4-Methyl-2-pentanone	ND		mg/kg	0.00275	0.0473	1	01/30/10 15:02	SW846 8260B	10A3560
Styrene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Tetrachloroethene	ND		mg/kg	0.000379	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Toluene	ND		mg/kg	0.000379	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,2,4-Trichlorobenzene	ND		mg/kg	0.000966	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,2,3-Trichlorobenzene	ND		mg/kg	0.000871	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,1,1-Trichloroethane	ND		mg/kg	0.000379	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,1,2-Trichloroethane	ND		mg/kg	0.00105	0.00473	1	01/30/10 15:02	SW846 8260B	10A3560
Trichloroethene	ND		mg/kg	0.000786	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Trichlorofluoromethane	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Vinyl chloride	ND		mg/kg	0.000777	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Xylenes, total	ND		mg/kg	0.00123	0.00473	1	01/30/10 15:02	SW846 8260B	10A3560
Surr: 1,2-Dichloroethane-d4 (67-138%)	101 %					1	01/30/10 15:02	SW846 8260B	10A3560
Surr: Dibromofluoromethane (75-125%)	16 %	ZX				1	01/30/10 15:02	SW846 8260B	10A3560



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
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Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-04 (LF-NPW-02 - Soil) - cont. Sampled: 01/20/10 11:00									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Surr: Toluene-d8 (76-129%)	101 %					1	01/30/10 15:02	SW846 8260B	10A3560
Surr: 4-Bromofluorobenzene (67-147%)	101 %					1	01/30/10 15:02	SW846 8260B	10A3560
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND		mg/kg	0.0315	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Acenaphthylene	ND		mg/kg	0.0305	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Acetophenone	ND		mg/kg	0.0344	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Anthracene	ND		mg/kg	0.0324	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Atrazine	ND		mg/kg	0.0718	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Benzaldehyde	ND		mg/kg	0.292	1.64	1	01/31/10 19:13	SW846 8270C	10A3612
Benzo (a) anthracene	ND		mg/kg	0.0374	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Benzo (b) fluoranthene	ND		mg/kg	0.0295	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Benzo (a) pyrene	ND		mg/kg	0.0295	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Benzo (g,h,i) perylene	ND		mg/kg	0.0295	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Benzo (k) fluoranthene	ND		mg/kg	0.0295	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Biphenyl	ND		mg/kg	0.102	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
4-Bromophenyl phenyl ether	ND		mg/kg	0.0934	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Butyl benzyl phthalate	ND		mg/kg	0.0875	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
4-Chloro-3-methylphenol	ND	R	mg/kg	0.101	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
4-Chloroaniline	ND		mg/kg	0.240	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Caprolactam	ND		mg/kg	0.100	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Carbazole	ND		mg/kg	0.109	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2-Chloronaphthalene	ND		mg/kg	0.0669	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Bis(2-chloroethoxy)methane	ND		mg/kg	0.108	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Bis(2-chloroethyl)ether	ND		mg/kg	0.133	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.100	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2-Chlorophenol	ND	R	mg/kg	0.107	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
4-Chlorophenyl phenyl ether	ND		mg/kg	0.109	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Chrysene	ND		mg/kg	0.0393	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Dibenz (a,h) anthracene	ND		mg/kg	0.0305	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Dibenzofuran	ND		mg/kg	0.0875	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Di-n-butyl phthalate	ND		mg/kg	0.0846	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
3,3-Dichlorobenzidine	ND		mg/kg	0.247	0.656	1	01/31/10 19:13	SW846 8270C	10A3612
2,4-Dichlorophenol	ND	R	mg/kg	0.0855	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2,6-Dichlorophenol	ND	R	mg/kg	0.146	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Diethyl phthalate	ND		mg/kg	0.0492	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2,4-Dimethylphenol	ND	R	mg/kg	0.276	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Dimethyl phthalate	ND		mg/kg	0.0865	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
4,6-Dinitro-2-methylphenol	ND	R	mg/kg	0.113	0.819	1	01/31/10 19:13	SW846 8270C	10A3612
2,4-Dinitrophenol	ND	R	mg/kg	0.133	0.819	1	01/31/10 19:13	SW846 8270C	10A3612
2,6-Dinitrotoluene	ND		mg/kg	0.0639	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2,4-Dinitrotoluene	ND		mg/kg	0.0865	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Di-n-octyl phthalate	ND		mg/kg	0.0610	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.109	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Fluoranthene	ND		mg/kg	0.0334	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Fluorene	ND		mg/kg	0.0354	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Hexachlorobenzene	ND		mg/kg	0.0816	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Hexachlorobutadiene	ND		mg/kg	0.106	0.327	1	01/31/10 19:13	SW846 8270C	10A3612

DK  
4/1/10



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-04 (LF-NPW-02 - Soil) - cont. Sampled: 01/20/10 11:00									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Hexachlorocyclopentadiene	ND		mg/kg	0.109	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Hexachloroethane	ND		mg/kg	0.103	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Indeno (1,2,3-cd) pyrene	ND		mg/kg	0.0305	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Isophorone	ND		mg/kg	0.0669	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2-Methylnaphthalene	ND		mg/kg	0.0324	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2-Methylphenol	<del>ND</del> R		mg/kg	0.132	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
3/4-Methylphenol	<del>ND</del> R		mg/kg	0.152	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Naphthalene	ND		mg/kg	0.0403	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2-Nitroaniline	ND		mg/kg	0.109	0.819	1	01/31/10 19:13	SW846 8270C	10A3612
3-Nitroaniline	ND		mg/kg	0.268	0.819	1	01/31/10 19:13	SW846 8270C	10A3612
4-Nitroaniline	ND		mg/kg	0.248	0.819	1	01/31/10 19:13	SW846 8270C	10A3612
Nitrobenzene	ND		mg/kg	0.104	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2-Nitrophenol	<del>ND</del> R		mg/kg	0.194	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
4-Nitrophenol	<del>ND</del> R		mg/kg	0.271	0.819	1	01/31/10 19:13	SW846 8270C	10A3612
N-Nitrosodiphenylamine	ND		mg/kg	0.107	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
N-Nitrosodi-n-propylamine	ND		mg/kg	0.120	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Pentachlorophenol	<del>ND</del> R		mg/kg	0.0767	0.819	1	01/31/10 19:13	SW846 8270C	10A3612
Phenanthrene	ND		mg/kg	0.0334	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Phenol	<del>ND</del> R		mg/kg	0.0610	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Pyrene	ND		mg/kg	0.0403	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.0452	1.64	1	01/31/10 19:13	SW846 8270C	10A3612
2,4,5-Trichlorophenol	<del>ND</del> R		mg/kg	0.0718	0.819	1	01/31/10 19:13	SW846 8270C	10A3612
2,4,6-Trichlorophenol	<del>ND</del> R		mg/kg	0.0855	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Surr: Phenol-d5 (18-120%)	12 %	ZX				1	01/31/10 19:13	SW846 8270C	10A3612
Surr: 2-Fluorobiphenyl (14-120%)	25 %					1	01/31/10 19:13	SW846 8270C	10A3612
Surr: Nitrobenzene-d5 (17-120%)	39 %					1	01/31/10 19:13	SW846 8270C	10A3612
Surr: Terphenyl-d14 (18-120%)	46 %					1	01/31/10 19:13	SW846 8270C	10A3612
Surr: 2,4,6-Tribromophenol (19-120%)	1 %	ZX				1	01/31/10 19:13	SW846 8270C	10A3612

DJL  
4/1/10

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-05 (LF-RB-01 - Water) Sampled: 01/25/10 15:50</b>									
Total Metals by EPA Method 6010B									
Aluminum	ND		mg/L	0.0540	0.100	1	01/29/10 15:22	SW846 6010B	10A3452
Antimony	ND		mg/L	0.00210	0.0100	1	01/29/10 15:22	SW846 6010B	10A3452
Arsenic	ND		mg/L	0.00360	0.0100	1	01/29/10 15:22	SW846 6010B	10A3452
Barium	ND		mg/L	0.00100	0.0100	1	01/29/10 15:22	SW846 6010B	10A3452
Beryllium	ND		mg/L	0.00100	0.00400	1	01/29/10 15:22	SW846 6010B	10A3452
Cadmium	ND		mg/L	0.000600	0.00100	1	01/29/10 15:22	SW846 6010B	10A3452
Calcium	ND		mg/L	0.100	1.00	1	01/29/10 15:22	SW846 6010B	10A3452
Chromium	ND		mg/L	0.00260	0.00500	1	01/29/10 15:22	SW846 6010B	10A3452
Cobalt	ND		mg/L	0.00500	0.0200	1	01/29/10 15:22	SW846 6010B	10A3452
Copper	ND		mg/L	0.00210	0.0100	1	01/29/10 15:22	SW846 6010B	10A3452
Iron	ND		mg/L	0.0490	0.0500	1	01/29/10 15:22	SW846 6010B	10A3452
Lead	ND		mg/L	0.00210	0.00500	1	01/29/10 15:22	SW846 6010B	10A3452
Magnesium	ND		mg/L	0.0660	1.00	1	01/29/10 15:22	SW846 6010B	10A3452
Manganese	ND		mg/L	0.00100	0.0150	1	01/29/10 15:22	SW846 6010B	10A3452
Nickel	ND		mg/L	0.00230	0.0100	1	01/29/10 15:22	SW846 6010B	10A3452
Potassium	ND		mg/L	0.100	1.00	1	01/29/10 15:22	SW846 6010B	10A3452
Selenium	ND		mg/L	0.00390	0.0100	1	01/29/10 15:22	SW846 6010B	10A3452
Silver	ND		mg/L	0.00280	0.00500	1	01/29/10 15:22	SW846 6010B	10A3452
Sodium	ND		mg/L	0.820	1.00	1	01/29/10 15:22	SW846 6010B	10A3452
Thallium	ND		mg/L	0.00630	0.0100	1	01/29/10 15:22	SW846 6010B	10A3452
Vanadium	ND		mg/L	0.00500	0.0200	1	01/29/10 15:22	SW846 6010B	10A3452
Zinc	0.0113		mg/L	0.00500	0.0500	1	01/29/10 15:22	SW846 6010B	10A3452
Mercury by EPA Methods 7470A/7471A									
Mercury	ND		mg/L	0.000100	0.000200	1	02/03/10 14:12	SW846 7470A	10B0215
Volatile Organic Compounds by EPA Method 8260B									
Acetone	ND		ug/L	25.0	50.0	1	02/01/10 19:58	SW846 8260B	10B0358
Benzene	ND		ug/L	0.410	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Bromochloromethane	ND		ug/L	0.470	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Bromodichloromethane	ND		ug/L	0.270	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Bromoform	ND		ug/L	0.430	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Bromomethane	ND		ug/L	0.300	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
2-Butanone	ND		ug/L	2.10	50.0	1	02/01/10 19:58	SW846 8260B	10B0358
Carbon disulfide	ND		ug/L	0.360	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Carbon Tetrachloride	ND		ug/L	0.330	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Chlorobenzene	ND		ug/L	0.220	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Chlorodibromomethane	ND		ug/L	0.260	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Chloroethane	ND		ug/L	0.460	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Chloroform	ND		ug/L	0.250	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Chloromethane	ND		ug/L	0.390	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Cyclohexane	ND		ug/L	0.230	5.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,2-Dibromo-3-chloropropane	ND		ug/L	0.860	5.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,2-Dibromoethane (EDB)	ND		ug/L	0.460	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Methylcyclohexane	ND		ug/L	0.280	5.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,2-Dichlorobenzene	ND		ug/L	0.400	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,3-Dichlorobenzene	ND		ug/L	0.320	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,4-Dichlorobenzene	ND		ug/L	0.430	1.00	1	02/01/10 19:58	SW846 8260B	10B0358



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-05 (LF-RB-01 - Water) - cont. Sampled: 01/25/10 15:50</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Dichlorodifluoromethane	ND		ug/L	0.190	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,2-Dichloroethane	ND		ug/L	0.350	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,1-Dichloroethane	ND		ug/L	0.340	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,1-Dichloroethene	ND		ug/L	0.220	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
trans-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,1,2-Trifluoroethane	ND		ug/L	0.270	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
cis-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,2-Dichloropropane	ND		ug/L	0.240	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
trans-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
cis-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Ethylbenzene	ND		ug/L	0.350	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
2-Hexanone	ND		ug/L	1.40	50.0	1	02/01/10 19:58	SW846 8260B	10B0358
Isopropylbenzene	ND		ug/L	0.400	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Methyl Acetate	ND		ug/L	0.690	10.0	1	02/01/10 19:58	SW846 8260B	10B0358
Methyl tert-Butyl Ether	ND		ug/L	0.320	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Methylene Chloride	ND		ug/L	0.480	5.00	1	02/01/10 19:58	SW846 8260B	10B0358
4-Methyl-2-pentanone	ND		ug/L	1.40	10.0	1	02/01/10 19:58	SW846 8260B	10B0358
Styrene	ND		ug/L	0.260	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,1,2,2-Tetrachloroethane	ND		ug/L	0.360	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Tetrachloroethene	ND		ug/L	0.320	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Toluene	ND		ug/L	0.350	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,2,4-Trichlorobenzene	ND		ug/L	0.360	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,2,3-Trichlorobenzene	ND		ug/L	0.270	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,1,1-Trichloroethane	ND		ug/L	0.190	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,1,2-Trichloroethane	ND		ug/L	0.320	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Trichloroethene	ND		ug/L	0.260	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Trichlorofluoromethane	ND		ug/L	0.220	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Vinyl chloride	ND		ug/L	0.220	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Xylenes, total	ND		ug/L	0.730	3.00	1	02/01/10 19:58	SW846 8260B	10B0358
Surr: 1,2-Dichloroethane-d4 (63-140%)	99 %					1	02/01/10 19:58	SW846 8260B	10B0358
Surr: Dibromodifluoromethane (73-131%)	97 %					1	02/01/10 19:58	SW846 8260B	10B0358
Surr: Toluene-d8 (80-120%)	95 %					1	02/01/10 19:58	SW846 8260B	10B0358
Surr: 4-Bromofluorobenzene (79-125%)	98 %					1	02/01/10 19:58	SW846 8260B	10B0358
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Acenaphthylene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Acetophenone	ND		ug/L	2.00	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Anthracene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Atrazine	ND		ug/L	1.16	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Benzaldehyde	ND		ug/L	1.37	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Benzo (a) anthracene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Benzo (a) pyrene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Benzo (b) fluoranthene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Benzo (g,h,i) perylene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Benzo (k) fluoranthene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Biphenyl	ND		ug/L	1.68	10.5	1	01/29/10 00:43	SW846 8270C	10A3596

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-05 (LF-RB-01 - Water) - cont. Sampled: 01/25/10 15:50									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
4-Bromophenyl phenyl ether	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Butyl benzyl phthalate	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Caprolactam	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Carbazole	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
4-Chloro-3-methylphenol	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
4-Chloroaniline	ND		ug/L	4.74	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Bis(2-chloroethoxy)methane	ND		ug/L	3.89	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Bis(2-chloroethyl)ether	ND	4J	ug/L	4.95	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Bis(2-chloroisopropyl)ether	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2-Chloronaphthalene	ND		ug/L	3.16	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2-Chlorophenol	ND		ug/L	2.63	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
4-Chlorophenyl phenyl ether	ND		ug/L	3.68	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Chrysene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Dibenz (a,h) anthracene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Dibenzofuran	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Di-n-butyl phthalate	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
3,3-Dichlorobenzidine	ND		ug/L	2.74	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2,6-Dichlorophenol	ND		ug/L	3.58	21.1	1	01/29/10 00:43	SW846 8270C	10A3596
2,4-Dichlorophenol	ND		ug/L	4.42	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Diethyl phthalate	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2,4-Dimethylphenol	ND		ug/L	4.32	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Dimethyl phthalate	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
4,6-Dinitro-2-methylphenol	ND		ug/L	3.47	26.3	1	01/29/10 00:43	SW846 8270C	10A3596
2,4-Dinitrophenol	ND		ug/L	3.58	26.3	1	01/29/10 00:43	SW846 8270C	10A3596
2,4-Dinitrotoluene	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2,6-Dinitrotoluene	ND		ug/L	3.58	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Di-n-octyl phthalate	ND		ug/L	3.37	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
1,2-Diphenylhydrazine	ND		ug/L	3.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Bis(2-ethylhexyl)phthalate	ND		ug/L	3.58	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Fluoranthene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Fluorene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Hexachlorobenzene	ND		ug/L	3.68	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Hexachlorobutadiene	ND		ug/L	4.95	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Hexachlorocyclopentadiene	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Hexachloroethane	ND		ug/L	6.21	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Indeno (1,2,3-cd) pyrene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Isophorone	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2-Methylnaphthalene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2-Methylphenol	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
3/4-Methylphenol	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Naphthalene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
4-Nitroaniline	ND		ug/L	3.47	26.3	1	01/29/10 00:43	SW846 8270C	10A3596
2-Nitroaniline	ND		ug/L	2.74	26.3	1	01/29/10 00:43	SW846 8270C	10A3596
3-Nitroaniline	ND		ug/L	3.47	26.3	1	01/29/10 00:43	SW846 8270C	10A3596
Nitrobenzene	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2-Nitrophenol	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
4-Nitrophenol	ND		ug/L	4.53	26.3	1	01/29/10 00:43	SW846 8270C	10A3596
N-Nitrosodiphenylamine	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-05 (LF-RB-01 - Water) - cont. Sampled: 01/25/10 15:50									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
N-Nitrosodi-n-propylamine	ND		ug/L	3.26	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Pentachlorophenol	ND		ug/L	3.47	26.3	1	01/29/10 00:43	SW846 8270C	10A3596
Phenanthrene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Phenol	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Pyrene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
1,2,4,5-Tetrachlorobenzene	ND		ug/L	1.79	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2,4,6-Trichlorophenol	ND		ug/L	3.89	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2,4,5-Trichlorophenol	ND		ug/L	3.47	26.3	1	01/29/10 00:43	SW846 8270C	10A3596
Surr: 2-Fluorophenol (10-120%)	54 %					1	01/29/10 00:43	SW846 8270C	10A3596
Surr: Phenol-d5 (10-120%)	38 %					1	01/29/10 00:43	SW846 8270C	10A3596
Surr: Nitrobenzene-d5 (27-120%)	91 %					1	01/29/10 00:43	SW846 8270C	10A3596
Surr: 2-Fluorobiphenyl (29-120%)	94 %					1	01/29/10 00:43	SW846 8270C	10A3596
Surr: 2,4,6-Tribromophenol (29-132%)	95 %					1	01/29/10 00:43	SW846 8270C	10A3596
Surr: Terphenyl-d14 (13-120%)	104 %					1	01/29/10 00:43	SW846 8270C	10A3596

DJK  
4/7/10

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2980 Foster Creighton Road Nashville, TN 37204 \* 800-766-0980 \* Fax 615-726-3404

Client Tetra Tech BMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-06 (LF-SS-01 - Soil) Sampled: 01/20/10 16:20								
Polychlorinated Biphenyls by EPA Method 8082								
PCB-1016	ND		mg/kg	0.0323	1	02/01/10 16:55	SW846 8082	10A3609
PCB-1221	ND		mg/kg	0.0323	1	02/01/10 16:55	SW846 8082	10A3609
PCB-1232	ND		mg/kg	0.0323	1	02/01/10 16:55	SW846 8082	10A3609
PCB-1242	0.805		mg/kg	0.0323	1	02/01/10 16:55	SW846 8082	10A3609
PCB-1248	ND		mg/kg	0.0323	1	02/01/10 16:55	SW846 8082	10A3609
PCB-1254	ND		mg/kg	0.0323	1	02/01/10 16:55	SW846 8082	10A3609
PCB-1260	ND		mg/kg	0.0323	1	02/01/10 16:55	SW846 8082	10A3609
Surr: Tetrachloro-meta-xylene (19-147%)	54 %					02/01/10 16:55	SW846 8082	10A3609
Surr: Decachlorobiphenyl (20-150%)	90 %					02/01/10 16:55	SW846 8082	10A3609

DJL  
4/7/10

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-06 (LF-SS-01 - Soil) - cont. Sampled: 01/26/10 16:20									
Semi-volatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND		mg/kg	0.0319	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Acenaphthylene	ND		mg/kg	0.0309	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Acetophenone	ND		mg/kg	0.0349	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Anthracene	0.0562		mg/kg	0.0329	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Atrazine	ND		mg/kg	0.0729	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Benzaldehyde	ND		mg/kg	0.297	1.67	1	01/31/10 19:33	SW846 8270C	10A3612
Benzo (a) anthracene	0.135		mg/kg	0.0379	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Benzo (b) fluoranthene	0.139		mg/kg	0.0300	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Benzo (a) pyrene	0.130		mg/kg	0.0309	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Benzo (g,h,i) perylene	0.0809		mg/kg	0.0300	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Benzo (k) fluoranthene	0.130		mg/kg	0.0300	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Biphenyl	ND		mg/kg	0.104	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
4-Bromophenyl phenyl ether	ND		mg/kg	0.0948	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Butyl benzyl phthalate	ND		mg/kg	0.0889	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
4-Chloro-3-methylphenol	ND		mg/kg	0.103	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
4-Chloroaniline	ND		mg/kg	0.244	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Caprolactam	ND		mg/kg	0.102	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Carbazole	ND		mg/kg	0.111	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
2-Chloronaphthalene	ND		mg/kg	0.0679	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Bis(2-chloroethoxy)methane	ND		mg/kg	0.110	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Bis(2-chloroethyl)ether	ND		mg/kg	0.135	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.102	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
2-Chlorophenol	ND		mg/kg	0.109	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
4-Chlorophenyl phenyl ether	ND		mg/kg	0.111	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Chrysene	0.154		mg/kg	0.0399	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Dibenz (a,h) anthracene	0.0353		mg/kg	0.0309	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Dibenzofuran	ND		mg/kg	0.0889	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Di-n-butyl phthalate	0.114		mg/kg	0.0859	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
3,3-Dichlorobenzidine	ND		mg/kg	0.251	0.666	1	01/31/10 19:33	SW846 8270C	10A3612
2,4-Dichlorophenol	ND		mg/kg	0.0869	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
2,6-Dichlorophenol	ND		mg/kg	0.148	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Diethyl phthalate	ND		mg/kg	0.0499	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
2,4-Dimethylphenol	ND		mg/kg	0.281	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Dimethyl phthalate	0.462		mg/kg	0.0879	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
4,6-Dinitro-2-methylphenol	ND		mg/kg	0.115	0.832	1	01/31/10 19:33	SW846 8270C	10A3612
2,4-Dinitrophenol	ND		mg/kg	0.135	0.832	1	01/31/10 19:33	SW846 8270C	10A3612
2,6-Dinitrotoluene	ND		mg/kg	0.0649	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
2,4-Dinitrotoluene	ND		mg/kg	0.0879	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Di-n-octyl phthalate	ND		mg/kg	0.0619	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.111	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Fluoranthene	0.371		mg/kg	0.0339	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Fluorene	0.0546		mg/kg	0.0359	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Hexachlorobenzene	ND		mg/kg	0.0829	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Hexachlorobutadiene	ND		mg/kg	0.108	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Hexachlorocyclopentadiene	ND		mg/kg	0.111	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Hexachloroethane	ND		mg/kg	0.165	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Indeno (1,2,3-cd) pyrene	0.0775		mg/kg	0.0309	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Isophorone	ND		mg/kg	0.0679	0.332	1	01/31/10 19:33	SW846 8270C	10A3612

DJK  
4/7/10

Client: Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn: Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-06 (LF-SS-01 - Soil) - cont. Sampled: 01/20/10 16:20									
Semi-volatile Organic Compounds by EPA Method 8270C - cont. <span style="float: right;">21 05/27/10</span>									
2-Methylnaphthalene	ND		mg/kg	0.0329	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
2-Methylphenol	ND		mg/kg	0.134	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
3/4-Methylphenol	ND		mg/kg	0.155	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Naphthalene	ND		mg/kg	0.0409	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
2-Nitroaniline	ND		mg/kg	0.111	0.832	1	01/31/10 19:33	SW846 8270C	10A3612
3-Nitroaniline	ND		mg/kg	0.273	0.832	1	01/31/10 19:33	SW846 8270C	10A3612
4-Nitroaniline	ND		mg/kg	0.252	0.832	1	01/31/10 19:33	SW846 8270C	10A3612
Nitrobenzene	ND		mg/kg	0.106	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
2-Nitrophenol	ND		mg/kg	0.197	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
4-Nitrophenol	ND		mg/kg	0.276	0.832	1	01/31/10 19:33	SW846 8270C	10A3612
N-Nitrosodiphenylamine	ND		mg/kg	0.109	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
N-Nitrosodi-n-propylamine	ND		mg/kg	0.122	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Pentachlorophenol	ND		mg/kg	0.0779	0.832	1	01/31/10 19:33	SW846 8270C	10A3612
Phenanthrene	0.331		mg/kg	0.0339	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Phenol	ND		mg/kg	0.0619	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Pyrene	0.273		mg/kg	0.0499	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.0459	1.67	1	01/31/10 19:33	SW846 8270C	10A3612
2,4,5-Trichlorophenol	ND		mg/kg	0.0729	0.832	1	01/31/10 19:33	SW846 8270C	10A3612
2,4,6-Trichlorophenol	ND		mg/kg	0.0869	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Surr: Phenol-d5 (18-120%)	58 %								
Surr: 2-Fluorobiphenyl (14-120%)	31 %					1	01/31/10 19:33	SW846 8270C	10A3612
Surr: Nitrobenzene-d5 (17-120%)	49 %					1	01/31/10 19:33	SW846 8270C	10A3612
Surr: Terphenyl-d14 (18-120%)	48 %					1	01/31/10 19:33	SW846 8270C	10A3612
Surr: 2,4,6-Tribromophenol (19-120%)	59 %					1	01/31/10 19:33	SW846 8270C	10A3612

Sample ID: NTA1891-07 (LF-YAW-01 - Water) Sampled: 01/20/10 16:40  
Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	25.0	50.0	1	01/31/10 03:48	SW846 8260B	10A3723
Benzene	ND		ug/L	0.410	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Bromochloromethane	ND		ug/L	0.470	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Bromodichloromethane	ND		ug/L	0.270	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Bromoform	ND		ug/L	0.430	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Bromomethane	ND		ug/L	0.300	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
2-Butanone	ND		ug/L	2.10	50.0	1	01/31/10 03:48	SW846 8260B	10A3723
Carbon disulfide	1.86	J	ug/L	0.360	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Carbon Tetrachloride	ND		ug/L	0.330	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Chlorobenzene	ND		ug/L	0.220	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Chlorodibromomethane	ND		ug/L	0.260	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Chloroethane	ND		ug/L	0.460	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Chloroform	ND		ug/L	0.250	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Chloromethane	ND		ug/L	0.390	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Cyclohexane	ND		ug/L	0.230	5.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,2-Dibromo-3-chloropropane	ND		ug/L	0.860	5.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,2-Dibromochloroethane (BDB)	ND		ug/L	0.460	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Methylcyclohexane	ND		ug/L	0.280	5.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,2-Dichlorobenzene	ND		ug/L	0.400	1.00	1	01/31/10 03:48	SW846 8260B	10A3723



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-07 (LF-VAW-01 - Water) - cont. Sampled: 01/20/10 16:40									
Volatile Organic Compounds by EPA Method 8260B - cont.									
1,3-Dichlorobenzene	ND		ug/L	0.320	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,4-Dichlorobenzene	ND		ug/L	0.430	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Dichlorodifluoromethane	ND		ug/L	0.190	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,2-Dichloroethane	ND		ug/L	0.350	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,1-Dichloroethane	ND		ug/L	0.340	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,1-Dichloroethene	ND		ug/L	0.220	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
trans-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,1,2-Trifluorotrichloroethane	ND		ug/L	0.270	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
cis-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,2-Dichloropropane	ND		ug/L	0.240	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
trans-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
cis-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Ethylbenzene	ND		ug/L	0.350	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
2-Hexanone	ND		ug/L	1.40	50.0	1	01/31/10 03:48	SW846 8260B	10A3723
Isopropylbenzene	ND		ug/L	0.400	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Methyl Acetate	ND		ug/L	0.690	10.0	1	01/31/10 03:48	SW846 8260B	10A3723
Methyl tert-Butyl Ether	ND		ug/L	0.320	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Methylene Chloride	ND		ug/L	0.480	5.00	1	01/31/10 03:48	SW846 8260B	10A3723
4-Methyl-2-pentanone	ND		ug/L	1.40	10.0	1	01/31/10 03:48	SW846 8260B	10A3723
Styrene	ND		ug/L	0.260	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,1,2,2-Tetrachloroethane	ND		ug/L	0.360	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Tetrachloroethene	ND		ug/L	0.320	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Toluene	ND		ug/L	0.350	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,2,4-Trichlorobenzene	ND		ug/L	0.360	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,2,3-Trichlorobenzene	ND		ug/L	0.270	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,1,1-Trichloroethane	ND		ug/L	0.190	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,1,2-Trichloroethane	ND		ug/L	0.320	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Trichloroethene	ND		ug/L	0.260	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Trichlorofluoromethane	ND		ug/L	0.220	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Vinyl chloride	ND		ug/L	0.220	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Xylenes, total	ND		ug/L	0.730	3.00	1	01/31/10 03:48	SW846 8260B	10A3723
Surr: 1,2-Dichloroethane-d4 (63-140%)	94 %								
Surr: Dibromofluoromethane (73-131%)	104 %					1	01/31/10 03:48	SW846 8260B	10A3723
Surr: Toluene-d8 (80-120%)	102 %					1	01/31/10 03:48	SW846 8260B	10A3723
Surr: 4-Bromofluorobenzene (79-125%)	100 %					1	01/31/10 03:48	SW846 8260B	10A3723

DTL  
4/7/10

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-08 (LF-VAW-01-DUP - Water) Sampled: 01/20/10 16:40									
Volatile Organic Compounds by EPA Method 8260B									
Acetone	ND		ug/L	25.0	50.0	1	01/31/10 04:15	SW846 8260B	10A3723
Benzene	ND		ug/L	0.410	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Bromochloromethane	ND		ug/L	0.470	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Bromodichloromethane	ND		ug/L	0.270	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Bromoform	ND		ug/L	0.430	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Bromomethane	ND		ug/L	0.300	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
2-Butanone	ND		ug/L	2.10	50.0	1	01/31/10 04:15	SW846 8260B	10A3723
Carbon disulfide	4.09	J	ug/L	0.360	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Carbon Tetrachloride	ND		ug/L	0.330	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Chlorobenzene	ND		ug/L	0.220	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Chlorodibromomethane	ND		ug/L	0.260	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Chloroethane	ND		ug/L	0.460	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Chloroform	ND		ug/L	0.250	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Chloromethane	ND		ug/L	0.390	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Cyclohexane	ND		ug/L	0.230	5.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,2-Dibromo-3-chloropropane	ND		ug/L	0.860	5.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,2-Dibromoethane (EDB)	ND		ug/L	0.460	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Methylcyclohexane	ND		ug/L	0.280	5.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,2-Dichlorobenzene	ND		ug/L	0.400	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,3-Dichlorobenzene	ND		ug/L	0.320	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,4-Dichlorobenzene	ND		ug/L	0.430	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Dichlorodifluoromethane	ND		ug/L	0.190	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,2-Dichloroethane	ND		ug/L	0.350	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,1-Dichloroethane	ND		ug/L	0.340	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,1-Dichloroethene	ND		ug/L	0.220	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
trans-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,1,2-Trifluorotrichloroethane	ND		ug/L	0.270	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
cis-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,2-Dichloropropane	ND		ug/L	0.240	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
trans-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
cis-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Ethylbenzene	ND		ug/L	0.350	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
2-Hexanone	ND		ug/L	1.40	50.0	1	01/31/10 04:15	SW846 8260B	10A3723
Isopropylbenzene	ND		ug/L	0.400	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Methyl Acetate	ND	L	ug/L	0.690	10.0	1	01/31/10 04:15	SW846 8260B	10A3723
Methyl tert-Butyl Ether	ND		ug/L	0.320	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Methylene Chloride	ND		ug/L	0.480	5.00	1	01/31/10 04:15	SW846 8260B	10A3723
4-Methyl-2-pentanone	ND		ug/L	1.40	10.0	1	01/31/10 04:15	SW846 8260B	10A3723
Styrene	ND		ug/L	0.260	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,1,2,2-Tetrachloroethane	ND		ug/L	0.360	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Tetrachloroethene	ND		ug/L	0.320	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Toluene	ND		ug/L	0.350	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,2,4-Trichlorobenzene	ND		ug/L	0.360	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,2,3-Trichlorobenzene	ND		ug/L	0.270	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,1,1-Trichloroethane	ND		ug/L	0.190	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,1,2-Trichloroethane	ND		ug/L	0.320	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Trichloroethene	ND		ug/L	0.260	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Trichlorofluoromethane	ND		ug/L	0.220	1.00	1	01/31/10 04:15	SW846 8260B	10A3723



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-08 (LF-VAW-01-DUP - Water) - cont. Sampled: 01/20/10 16:40</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Vinyl chloride	ND		ug/L	0.220	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Xylenes, total	ND		ug/L	0.730	3.00	1	01/31/10 04:15	SW846 8260B	10A3723
Surr: 1,2-Dichloroethane-d4 (63-140%)	95 %					1	01/31/10 04:15	SW846 8260B	10A3723
Surr: Dibromofluoromethane (73-131%)	105 %					1	01/31/10 04:15	SW846 8260B	10A3723
Surr: Toluene-d8 (80-120%)	101 %					1	01/31/10 04:15	SW846 8260B	10A3723
Surr: 4-Bromofluorobenzene (79-125%)	101 %					1	01/31/10 04:15	SW846 8260B	10A3723
<b>Sample ID: NTA1891-09 (LF-VAW-02 - Water) Sampled: 01/20/10 10:20</b>									
Volatile Organic Compounds by EPA Method 8260B									
Acetone	ND		ug/L	25.0	50.0	1	01/31/10 04:42	SW846 8260B	10A3723
Benzene	ND		ug/L	0.410	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Bromochloromethane	ND		ug/L	0.470	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Bromodichloromethane	ND		ug/L	0.270	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Bromoform	ND		ug/L	0.430	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Bromomethane	ND		ug/L	0.300	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
2-Butanone	ND		ug/L	2.10	50.0	1	01/31/10 04:42	SW846 8260B	10A3723
Carbon disulfide	716		ug/L	3.60	10.0	10	02/02/10 15:02	SW846 8260B	10A3493
Carbon Tetrachloride	ND		ug/L	0.330	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Chlorobenzene	ND		ug/L	0.220	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Chlorodibromomethane	ND		ug/L	0.260	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Chloroethane	ND		ug/L	0.460	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Chloroform	ND		ug/L	0.250	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Chloromethane	ND		ug/L	0.390	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Cyclohexane	ND		ug/L	0.230	5.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,2-Dibromo-3-chloropropane	ND		ug/L	0.860	5.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,2-Dibromoethane (EDB)	ND		ug/L	0.460	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Methylcyclohexane	ND		ug/L	0.280	5.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,2-Dichlorobenzene	ND		ug/L	0.400	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,3-Dichlorobenzene	ND		ug/L	0.320	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,4-Dichlorobenzene	ND		ug/L	0.430	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Dichlorodifluoromethane	ND		ug/L	0.190	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,2-Dichloroethane	ND		ug/L	0.350	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,1-Dichloroethane	ND		ug/L	0.340	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,1-Dichloroethene	ND		ug/L	0.220	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
trans-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,1,2-Trifluoroethane	ND		ug/L	0.270	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
cis-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,2-Dichloropropane	ND		ug/L	0.240	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
trans-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
cis-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Ethylbenzene	ND		ug/L	0.350	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
2-Hexanone	ND		ug/L	1.40	50.0	1	01/31/10 04:42	SW846 8260B	10A3723
Isopropylbenzene	ND		ug/L	0.400	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Methyl Acetate	ND		ug/L	0.690	10.0	1	01/31/10 04:42	SW846 8260B	10A3723
Methyl tert-Butyl Ether	ND		ug/L	0.320	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Methylcyclohexane	ND		ug/L	0.480	5.00	1	01/31/10 04:42	SW846 8260B	10A3723
4-Methyl-2-pentanone	ND		ug/L	1.40	10.0	1	01/31/10 04:42	SW846 8260B	10A3723

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-09 (LF-VAW-02 - Water) - cont. Sampled: 01/20/10 10:20									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Styrene	ND		ug/L	0.260	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,1,2,2-Tetrachloroethane	ND		ug/L	0.360	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Tetrachloroethene	ND		ug/L	0.320	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Toluene	ND		ug/L	0.350	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,2,4-Trichlorobenzene	ND		ug/L	0.360	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,2,3-Trichlorobenzene	ND		ug/L	0.270	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,1,1-Trichloroethane	ND		ug/L	0.190	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,1,2-Trichloroethane	ND		ug/L	0.320	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Trichloroethene	ND		ug/L	0.260	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Trichlorofluoromethane	ND		ug/L	0.220	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Vinyl chloride	ND		ug/L	0.220	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Xylenes, total	ND		ug/L	0.730	3.00	1	01/31/10 04:42	SW846 8260B	10A3723
Surr: 1,2-Dichloroethane-d4 (63-140%)	92 %					1	01/31/10 04:42	SW846 8260B	10A3723
Surr: 1,2-Dichloroethane-d4 (63-140%)	99 %					10	02/02/10 15:02	SW846 8260B	10A3493
Surr: Dibromofluoromethane (73-131%)	99 %					1	01/31/10 04:42	SW846 8260B	10A3723
Surr: Dibromofluoromethane (73-131%)	103 %					10	02/02/10 15:02	SW846 8260B	10A3493
Surr: Toluene-d8 (80-120%)	100 %					1	01/31/10 04:42	SW846 8260B	10A3723
Surr: Toluene-d8 (80-120%)	101 %					10	02/02/10 15:02	SW846 8260B	10A3493
Surr: 4-Bromofluorobenzene (79-125%)	101 %					1	01/31/10 04:42	SW846 8260B	10A3723
Surr: 4-Bromofluorobenzene (79-125%)	99 %					10	02/02/10 15:02	SW846 8260B	10A3493
Sample ID: NTA1891-10 (LF-VAW-03 - Water) Sampled: 01/20/10 14:50									
Volatile Organic Compounds by EPA Method 8260B									
Acetone	ND		ug/L	25.0	50.0	1	02/02/10 14:35	SW846 8260B	10A3493
Benzene	ND		ug/L	0.410	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Bromochloromethane	ND		ug/L	0.470	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Bromodichloromethane	ND		ug/L	0.270	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Bromoform	ND		ug/L	0.430	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Bromomethane	ND		ug/L	0.300	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
2-Butanone	ND		ug/L	2.10	50.0	1	02/02/10 14:35	SW846 8260B	10A3493
Carbon disulfide	0.850		ug/L	0.360	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Carbon Tetrachloride	ND		ug/L	0.330	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Chlorobenzene	ND		ug/L	0.220	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Chlorodibromomethane	ND		ug/L	0.260	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Chloroethane	ND		ug/L	0.460	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Chloroform	ND		ug/L	0.250	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Chloromethane	ND		ug/L	0.390	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Cyclohexane	ND		ug/L	0.230	5.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,2-Dibromo-3-chloropropane	ND		ug/L	0.860	5.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,2-Dibromoethane (EDB)	ND		ug/L	0.460	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Methylcyclohexane	ND		ug/L	0.280	5.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,2-Dichlorobenzene	ND		ug/L	0.400	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,3-Dichlorobenzene	ND		ug/L	0.320	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,4-Dichlorobenzene	ND		ug/L	0.430	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Dichlorodifluoromethane	ND		ug/L	0.190	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,2-Dichloroethane	ND		ug/L	0.350	1.00	1	02/02/10 14:35	SW846 8260B	10A3493



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-10 (LF-VAW-03 - Water) - cont. Sampled: 01/20/10 14:50									
Volatile Organic Compounds by EPA Method 8260B - cont.									
1,1-Dichloroethane	ND		ug/L	0.340	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,1-Dichloroethene	ND		ug/L	0.220	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
trans-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,1,2-Trifluorotrichloroethane	ND		ug/L	0.270	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
cis-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,2-Dichloropropane	ND		ug/L	0.240	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
trans-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
cis-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Ethylbenzene	ND		ug/L	0.350	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
2-Hexanone	ND		ug/L	1.40	50.0	1	02/02/10 14:35	SW846 8260B	10A3493
Isopropylbenzene	ND		ug/L	0.400	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Methyl Acetate	ND		ug/L	0.690	10.0	1	02/02/10 14:35	SW846 8260B	10A3493
Methyl tert-Butyl Ether	ND		ug/L	0.320	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Methylene Chloride	ND		ug/L	0.480	5.00	1	02/02/10 14:35	SW846 8260B	10A3493
4-Methyl-2-pentanone	ND		ug/L	1.40	10.0	1	02/02/10 14:35	SW846 8260B	10A3493
Styrene	ND		ug/L	0.260	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,1,2,2-Tetrachloroethane	ND		ug/L	0.360	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Tetrachloroethene	ND		ug/L	0.320	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Toluene	ND		ug/L	0.350	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,2,4-Trichlorobenzene	ND		ug/L	0.360	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,2,3-Trichlorobenzene	ND		ug/L	0.270	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,1,1-Trichloroethane	ND		ug/L	0.190	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,1,2-Trichloroethane	ND		ug/L	0.320	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Trichloroethene	ND		ug/L	0.260	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Trichlorofluoromethane	ND		ug/L	0.220	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Vinyl chloride	ND		ug/L	0.220	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Xylenes, total	ND		ug/L	0.730	3.00	1	02/02/10 14:35	SW846 8260B	10A3493
Surr: 1,2-Dichloroethane-d4 (63-140%)	100 %					1	02/02/10 14:35	SW846 8260B	10A3493
Surr: Dibromofluoromethane (73-131%)	107 %					1	02/02/10 14:35	SW846 8260B	10A3493
Surr: Toluene-d8 (80-120%)	100 %					1	02/02/10 14:35	SW846 8260B	10A3493
Surr: 4-Bromofluorobenzene (79-125%)	100 %					1	02/02/10 14:35	SW846 8260B	10A3493

DTK  
4/7/10

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-11 (LF-VSW-03 - Soil) Sampled: 01/20/10 14:50									
Volatile Organic Compounds by EPA Method 8260B									
Acetone	0.243		mg/kg	0.0341	0.0681	1	02/01/10 20:11	SW846 8260B	10B0181
Benzene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Bromochloromethane	ND		mg/kg	0.00139	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Bromodichloromethane	ND		mg/kg	0.000545	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Bromoform	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Bromomethane	ND		mg/kg	0.000872	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
2-Butanone	ND		mg/kg	0.0232	0.0681	1	02/01/10 20:11	SW846 8260B	10B0181
Carbon disulfide	0.0117		mg/kg	0.000716	0.00334	1	02/02/10 16:04	SW846 8260B	10B0276
Carbon Tetrachloride	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Chlorobenzene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Chlorodibromomethane	ND		mg/kg	0.000518	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Chloroethane	ND		mg/kg	0.000572	0.00681	1	02/01/10 20:11	SW846 8260B	10B0181
Chloroform	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Chloromethane	ND		mg/kg	0.00136	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Cyclohexane	ND		mg/kg	0.000586	0.0136	1	02/01/10 20:11	SW846 8260B	10B0181
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.00463	0.00681	1	02/01/10 20:11	SW846 8260B	10B0181
1,2-Dibromoethane (EDB)	ND		mg/kg	0.000708	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Methylcyclohexane	ND		mg/kg	0.00450	0.0136	1	02/01/10 20:11	SW846 8260B	10B0181
1,2-Dichlorobenzene	ND		mg/kg	0.000586	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,3-Dichlorobenzene	ND		mg/kg	0.000586	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,4-Dichlorobenzene	ND		mg/kg	0.000981	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Dichlorodifluoromethane	ND		mg/kg	0.00218	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,2-Dichloroethane	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,1-Dichloroethane	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,1-Dichloroethene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
trans-1,2-Dichloroethene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,1,2-Trifluorotrichloroethane	ND		mg/kg	0.000804	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
cis-1,2-Dichloroethene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,2-Dichloropropane	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
trans-1,3-Dichloropropene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
cis-1,3-Dichloropropene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Ethylbenzene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
2-Hexanone	ND		mg/kg	0.0232	0.0681	1	02/01/10 20:11	SW846 8260B	10B0181
Isopropylbenzene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Methyl Acetate	ND	L	mg/kg	0.00272	0.0136	1	02/01/10 20:11	SW846 8260B	10B0181
Methyl tert-Butyl Ether	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Methylene Chloride	ND		mg/kg	0.00272	0.0136	1	02/01/10 20:11	SW846 8260B	10B0181
4-Methyl-2-pentanone	ND		mg/kg	0.00395	0.0681	1	02/01/10 20:11	SW846 8260B	10B0181
Styrene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Tetrachloroethene	ND		mg/kg	0.000545	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Toluene	ND		mg/kg	0.000545	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,2,4-Trichlorobenzene	ND		mg/kg	0.00139	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,2,3-Trichlorobenzene	ND		mg/kg	0.00125	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,1,1-Trichloroethane	ND		mg/kg	0.000545	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,1,2-Trichloroethane	ND		mg/kg	0.00151	0.00681	1	02/01/10 20:11	SW846 8260B	10B0181
Trichloroethene	ND		mg/kg	0.00113	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Trichlorofluoromethane	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181



Client: Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn: Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-11 (LF-VSW-03 - Soil) - cont. Sampled: 01/20/10 14:50</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Vinyl chloride	ND		mg/kg	0.00112	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Xylenes, total	ND		mg/kg	0.00177	0.00681	1	02/01/10 20:11	SW846 8260B	10B0181
Surr: 1,2-Dichloroethane-d4 (67-138%)	102 %					1	02/01/10 20:11	SW846 8260B	10B0181
Surr: 1,2-Dichloroethane-d4 (67-138%)	94 %					1	02/02/10 16:04	SW846 8260B	10B0276
Surr: Dibromofluoromethane (75-125%)	102 %					1	02/01/10 20:11	SW846 8260B	10B0181
Surr: Dibromofluoromethane (75-125%)	88 %					1	02/02/10 16:04	SW846 8260B	10B0276
Surr: Toluene-d8 (76-129%)	102 %					1	02/01/10 20:11	SW846 8260B	10B0181
Surr: Toluene-d8 (76-129%)	113 %					1	02/02/10 16:04	SW846 8260B	10B0276
Surr: 4-Bromofluorobenzene (67-147%)	104 %					1	02/01/10 20:11	SW846 8260B	10B0181
Surr: 4-Bromofluorobenzene (67-147%)	101 %					1	02/02/10 16:04	SW846 8260B	10B0276

## Sample ID: NTA1891-12 (LF-VSW-06 - Soil) Sampled: 01/20/10 14:55

Volatile Organic Compounds by EPA Method 8260B

Acetone	0.157		mg/kg	0.0228	0.0456	1	02/01/10 20:41	SW846 8260B	10B0181
Benzene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Bromochloromethane	ND		mg/kg	0.000931	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Bromodichloromethane	ND		mg/kg	0.000365	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Bromoform	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Bromomethane	ND		mg/kg	0.000584	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
2-Butanone	ND		mg/kg	0.0155	0.0456	1	02/01/10 20:41	SW846 8260B	10B0181
Carbon disulfide	0.342	0.0415	mg/kg	0.000611	0.00456	1	02/01/10 20:41	SW846 8260B	10B0181
Carbon Tetrachloride	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Chlorobenzene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Chlorodibromomethane	ND		mg/kg	0.000347	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Chloroethane	ND		mg/kg	0.000383	0.00456	1	02/01/10 20:41	SW846 8260B	10B0181
Chloroform	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Chloromethane	ND		mg/kg	0.000912	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Cyclohexane	0.000438		mg/kg	0.000392	0.00912	1	02/01/10 20:41	SW846 8260B	10B0181
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.00310	0.00456	1	02/01/10 20:41	SW846 8260B	10B0181
1,2-Dibromoethane (EDB)	ND		mg/kg	0.000474	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Methylcyclohexane	ND		mg/kg	0.00301	0.00912	1	02/01/10 20:41	SW846 8260B	10B0181
1,2-Dichlorobenzene	ND		mg/kg	0.000392	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,3-Dichlorobenzene	ND		mg/kg	0.000392	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,4-Dichlorobenzene	ND		mg/kg	0.000657	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Dichlorodifluoromethane	ND		mg/kg	0.00146	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,2-Dichloroethane	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,1-Dichloroethane	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,1-Dichloroethene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
trans-1,2-Dichloroethene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,1,2-Trifluorotrichloroethane	ND		mg/kg	0.000538	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
cis-1,2-Dichloroethene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,2-Dichloropropane	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
trans-1,3-Dichloropropene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
cis-1,3-Dichloropropene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Ethylbenzene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
2-Hexanone	ND		mg/kg	0.0155	0.0456	1	02/01/10 20:41	SW846 8260B	10B0181

DJK  
4/7/10

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-12 (LF-VSW-06 - Soil) - cont. Sampled: 01/20/10 14:55									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Isopropylbenzene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Methyl Acetate	ND		mg/kg	0.00182	0.00912	1	02/01/10 20:41	SW846 8260B	10B0181
Methyl tert-Butyl Ether	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Methylene Chloride	ND		mg/kg	0.00182	0.00912	1	02/01/10 20:41	SW846 8260B	10B0181
4-Methyl-2-pentanone	ND		mg/kg	0.00265	0.0456	1	02/01/10 20:41	SW846 8260B	10B0181
Styrene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Tetrachloroethene	ND		mg/kg	0.000365	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Toluene	0.000456		mg/kg	0.000365	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,2,4-Trichlorobenzene	ND		mg/kg	0.000931	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,2,3-Trichlorobenzene	ND		mg/kg	0.000839	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,1,1-Trichloroethane	ND		mg/kg	0.000365	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,1,2-Trichloroethane	ND		mg/kg	0.00101	0.00456	1	02/01/10 20:41	SW846 8260B	10B0181
Trichloroethene	ND		mg/kg	0.000757	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Trichlorofluoromethane	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Vinyl chloride	ND		mg/kg	0.000748	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Xylenes, total	ND		mg/kg	0.00119	0.00456	1	02/01/10 20:41	SW846 8260B	10B0181
Surr: 1,2-Dichloroethane-d4 (67-138%)	116 %								
Surr: Dibromofluoromethane (75-125%)	109 %					1	02/01/10 20:41	SW846 8260B	10B0181
Surr: Toluene-d8 (76-129%)	98 %					1	02/01/10 20:41	SW846 8260B	10B0181
Surr: 4-Bromofluorobenzene (67-147%)	105 %					1	02/01/10 20:41	SW846 8260B	10B0181

### Sample ID: NTA1891-13 (Trip Blank - Water) Sampled: 01/20/10 00:01

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	25.0	50.0	1	02/01/10 17:21	SW846 8260B	10B0358
Benzene	ND		ug/L	0.410	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Bromochloromethane	ND		ug/L	0.470	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Bromodichloromethane	ND		ug/L	0.270	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Bromoform	ND		ug/L	0.430	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Bromomethane	ND		ug/L	0.300	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
2-Butanone	ND		ug/L	2.10	50.0	1	02/01/10 17:21	SW846 8260B	10B0358
Carbon disulfide	ND		ug/L	0.360	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Carbon Tetrachloride	ND		ug/L	0.330	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Chlorobenzene	ND		ug/L	0.220	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Chlorodibromomethane	ND		ug/L	0.260	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Chloroethane	ND		ug/L	0.460	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Chloroform	ND		ug/L	0.250	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Chloromethane	ND		ug/L	0.390	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Cyclohexane	ND		ug/L	0.230	5.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,2-Dibromo-3-chloropropane	ND		ug/L	0.860	5.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,2-Dibromoethane (EDB)	ND		ug/L	0.460	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Methylcyclohexane	ND		ug/L	0.280	5.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,2-Dichlorobenzene	ND		ug/L	0.400	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,3-Dichlorobenzene	ND		ug/L	0.320	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,4-Dichlorobenzene	ND		ug/L	0.430	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Dichlorodifluoromethane	ND		ug/L	0.190	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,2-Dichloroethane	ND		ug/L	0.350	1.00	1	02/01/10 17:21	SW846 8260B	10B0358



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1891-13 (Trip Blank - Water) - cont. Sampled: 01/20/10 00:01									
Volatile Organic Compounds by EPA Method 8260B - cont.									
1,1-Dichloroethane	ND		ug/L	0.340	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,1-Dichloroethene	ND		ug/L	0.220	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
trans-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,1,2-Trifluoroethane	ND		ug/L	0.270	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
cis-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,2-Dichloropropane	ND		ug/L	0.240	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
trans-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
cis-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Ethylbenzene	ND		ug/L	0.350	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
2-Hexanone	ND		ug/L	1.40	50.0	1	02/01/10 17:21	SW846 8260B	10B0358
Isopropylbenzene	ND		ug/L	0.400	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Methyl Acetate	ND		ug/L	0.690	10.0	1	02/01/10 17:21	SW846 8260B	10B0358
Methyl tert-Butyl Ether	ND		ug/L	0.320	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Methylene Chloride	ND		ug/L	0.480	5.00	1	02/01/10 17:21	SW846 8260B	10B0358
4-Methyl-2-pentanone	ND		ug/L	1.40	10.0	1	02/01/10 17:21	SW846 8260B	10B0358
Styrene	ND		ug/L	0.260	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,1,2,2-Tetrachloroethane	ND		ug/L	0.360	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Tetrachloroethene	ND		ug/L	0.320	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Toluene	ND		ug/L	0.350	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,2,4-Trichlorobenzene	ND		ug/L	0.360	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,2,3-Trichlorobenzene	ND		ug/L	0.270	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,1,1-Trichloroethane	ND		ug/L	0.190	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,1,2-Trichloroethane	ND		ug/L	0.320	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Trichloroethene	ND		ug/L	0.260	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Trichlorofluoromethane	ND		ug/L	0.220	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Vinyl chloride	ND		ug/L	0.220	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Xylenes, total	ND		ug/L	0.730	3.00	1	02/01/10 17:21	SW846 8260B	10B0358
Surr: 1,2-Dichloroethane-d4 (63-140%)	97 %								
Surr: Dibromofluoromethane (73-131%)	96 %					1	02/01/10 17:21	SW846 8260B	10B0358
Surr: Toluene-d8 (80-120%)	94 %					1	02/01/10 17:21	SW846 8260B	10B0358
Surr: 4-Bromofluorobenzene (79-125%)	100 %					1	02/01/10 17:21	SW846 8260B	10B0358

DJK  
4/7/10

**ENCLOSURE 2**

**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS FOR  
TESTAMERICA WORK ORDERS NTA1808 AND NTA1891**

(Seventeen Pages)

**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR DRUM AND TOTE SAMPLES**

<b>Sample Designation:</b>	<b>LF-DW-01</b>	<b>LF-DW-02</b>	<b>LF-DW-03</b>	<b>LF-TW-01</b>	<b>LF-TW-02</b>
<b>Sample Collection Date:</b>	<b>1/21/2010</b>	<b>1/21/2010</b>	<b>1/21/2010</b>	<b>1/21/2010</b>	<b>1/21/2010</b>
<b>Semivolatile Organic Compounds</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
1,2,4,5-Tetrachlorobenzene	NA	2480 U	2480 U	2500 U	NA
2,3,4,6-Tetrachlorophenol	NA	495 U	495 U	500 U	NA
2,4,5-Trichlorophenol	NA	1240 U	1240 U	1250 U	NA
2,4,6-Trichlorophenol	NA	495 U	495 U	500 U	NA
2,4-Dichlorophenol	NA	495 U	495 U	500 U	NA
2,4-Dimethylphenol	NA	495 U	495 U	500 U	NA
2,4-Dinitrophenol	NA	1240 U	1240 U	1250 U	NA
2,4-Dinitrotoluene	NA	495 U	495 U	500 U	NA
2,6-Dinitrotoluene	NA	495 U	495 U	500 U	NA
2-Chloronaphthalene	NA	495 U	495 U	500 U	NA
2-Chlorophenol	NA	495 U	495 U	500 U	NA
2-Methylnaphthalene	NA	495 U	91.1 J	500 U	NA
2-Methylphenol	NA	495 U	495 U	500 U	NA
2-Nitroaniline	NA	1240 U	1240 U	1250 U	NA
2-Nitrophenol	NA	495 U	495 U	500 U	NA
3,3-Dichlorobenzidine	NA	991 U	991 U	1000 U	NA
3/4-Methylphenol	NA	495 U	495 U	500 U	NA
3-Nitroaniline	NA	1240 U	1240 U	1250 U	NA
4,6-Dinitro-2-methylphenol	NA	1240 U	1240 U	1250 U	NA
4-Bromophenyl phenyl ether	NA	495 U	495 U	500 U	NA
4-Chloro-3-methylphenol	NA	495 U	495 U	500 U	NA
4-Chloroaniline	NA	495 U	495 U	500 U	NA
4-Chlorophenyl phenyl ether	NA	495 U	495 U	500 U	NA
4-Nitroaniline	NA	1240 U	1240 U	1250 U	NA
4-Nitrophenol	NA	1240 U	1240 U	1250 U	NA
Acenaphthene	NA	495 U	495 U	500 U	NA
Acenaphthylene	NA	495 U	495 U	500 U	NA
Acetophenone	NA	495 U	495 U	500 U	NA
Anthracene	NA	495 U	495 U	500 U	NA
Atrazine	NA	495 U	495 U	500 U	NA
Benzaldehyde	NA	2480 U	2480 U	2500 U	NA
Benzo (a) anthracene	NA	495 U	495 U	500 U	NA





**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR DRUM AND TOTE SAMPLES**

<b>Sample Designation:</b>	<b>LF-DW-01</b>	<b>LF-DW-02</b>	<b>LF-DW-03</b>	<b>LF-TW-01</b>	<b>LF-TW-02</b>
<b>Sample Collection Date:</b>	<b>1/21/2010</b>	<b>1/21/2010</b>	<b>1/21/2010</b>	<b>1/21/2010</b>	<b>1/21/2010</b>
<b>Semivolatile Organic Compounds</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
Benzo (a) pyrene	NA	495 U	495 U	500 U	NA
Benzo (b) fluoranthene	NA	495 U	495 U	500 U	NA
Benzo (g,h,i) perylene	NA	495 U	495 U	500 U	NA
Benzo (k) fluoranthene	NA	495 U	495 U	500 U	NA
Benzoic acid	NA	2480 U	2480 U	2500 U	NA
Biphenyl	NA	495 U	495 U	500 U	NA
Bis(2-chloroethoxy)methane	NA	495 U	495 U	500 U	NA
Bis(2-chloroethyl)ether	NA	495 U	495 U	500 U	NA
Bis(2-chloroisopropyl)ether	NA	495 U	495 U	500 U	NA
Bis(2-ethylhexyl)phthalate	NA	495 U	495 U	500 U	NA
Butyl benzyl phthalate	NA	495 U	495 U	500 U	NA
Caprolactam	NA	495 U	495 U	500 U	NA
Carbazole	NA	495 U	495 U	500 U	NA
Chrysene	NA	495 U	495 U	500 U	NA
Dibenz (a,h) anthracene	NA	495 U	495 U	500 U	NA
Dibenzofuran	NA	495 U	495 U	500 U	NA
Diethyl phthalate	NA	495 U	495 U	500 U	NA
Dimethyl phthalate	NA	495 U	495 U	500 U	NA
Di-n-butyl phthalate	NA	495 U	495 U	500 U	NA
Di-n-octyl phthalate	NA	495 U	495 U	500 U	NA
Fluoranthene	NA	495 U	495 U	500 U	NA
Fluorene	NA	495 U	495 U	500 U	NA
Hexachlorobenzene	NA	495 U	495 U	500 U	NA
Hexachlorobutadiene	NA	495 U	495 U	500 U	NA
Hexachlorocyclopentadiene	NA	495 U	495 U	500 U	NA
Hexachloroethane	NA	495 U	495 U	500 U	NA
Indeno (1,2,3-cd) pyrene	NA	495 U	495 U	500 U	NA
Isophorone	NA	495 U	495 U	500 U	NA
Naphthalene	NA	495 U	495 U	500 U	NA
Nitrobenzene	NA	495 U	495 U	500 U	NA
N-Nitrosodi-n-propylamine	NA	495 U	495 U	500 U	NA
N-Nitrosodiphenylamine	NA	495 U	495 U	500 U	NA



**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR DRUM AND TOTE SAMPLES**

<b>Sample Designation:</b>	<b>LF-DW-01</b>	<b>LF-DW-02</b>	<b>LF-DW-03</b>	<b>LF-TW-01</b>	<b>LF-TW-02</b>
<b>Sample Collection Date:</b>	<b>1/21/2010</b>	<b>1/21/2010</b>	<b>1/21/2010</b>	<b>1/21/2010</b>	<b>1/21/2010</b>
<b>Semivolatile Organic Compounds</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
Pentachlorophenol	NA	1240 U	1240 U	1250 U	NA
Phenanthrene	NA	495 U	495 U	500 U	NA
Phenol	NA	495 U	495 U	500 U	NA
Pyrene	NA	495 U	495 U	500 U	NA
<b>Polychlorinated Biphenyls (PCBs)</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
PCB-1016	NA	0.129 U	0.131 U	0.129 U	0.132 U
PCB-1221	NA	0.129 U	0.131 U	0.129 U	0.132 U
PCB-1232	NA	0.129 U	0.131 U	0.129 U	0.132 U
PCB-1242	NA	0.129 U	0.131 U	0.129 U	0.132 U
PCB-1248	NA	0.129 U	0.131 U	0.129 U	0.132 U
PCB-1254	NA	0.129 U	0.131 U	0.129 U	0.132 U
PCB-1260	NA	0.129 U	0.131 U	0.129 U	<b>2.81</b>
<b>Metals</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
Aluminum	<b>163</b>	NA	NA	NA	NA
Antimony	10.0 U	NA	NA	NA	NA
Arsenic	1.00 U	NA	NA	NA	NA
Barium	2.01 U	NA	NA	NA	NA
Beryllium	1.00 U	NA	NA	NA	NA
Cadmium	1.00 U	NA	NA	NA	NA
Calcium	<b>915</b>	NA	NA	NA	NA
Chromium	<b>2.89</b>	NA	NA	NA	NA
Cobalt	1.00 U	NA	NA	NA	NA
Copper	2.01 U	NA	NA	NA	NA
Iron	<b>149</b>	NA	NA	NA	NA
Lead	1.00 U	NA	NA	NA	NA
Magnesium	<b>79.0</b>	NA	NA	NA	NA
Manganese	<b>2.21</b>	NA	NA	NA	NA
Mercury	0.0962 U	NA	NA	NA	NA
Nickel	1.00 U	NA	NA	NA	NA
Potassium	100 U	NA	NA	NA	NA
Selenium	<b>1.05 J</b>	NA	NA	NA	NA
Silver	1.00 U	NA	NA	NA	NA



**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR DRUM AND TOTE SAMPLES**

<b>Sample Designation:</b>	<b>LF-DW-01</b>	<b>LF-DW-02</b>	<b>LF-DW-03</b>	<b>LF-TW-01</b>	<b>LF-TW-02</b>
<b>Sample Collection Date:</b>	<b>1/21/2010</b>	<b>1/21/2010</b>	<b>1/21/2010</b>	<b>1/21/2010</b>	<b>1/21/2010</b>
<b>Metals</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
Sodium	201 U	NA	NA	NA	NA
Thallium	2.01 U	NA	NA	NA	NA
Vanadium	10.0 U	NA	NA	NA	NA
Zinc	<b>147</b>	NA	NA	NA	NA
<b>Miscellaneous Parameters</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
Sulfide	20.0 U	NA	NA	NA	NA
pH*	<b>1.10</b>	NA	NA	NA	NA
Chloride	<b>5640 J-</b>	NA	NA	NA	NA
Nitrate as N	20.0 UJ	NA	NA	NA	NA
Nitrite as N	<b>1660 J-</b>	NA	NA	NA	NA
Sulfate	<b>140000 J-</b>	NA	NA	NA	NA
BTU Content**	NA	<b>11000</b>	<b>472</b>	<b>13900</b>	<b>13900</b>
Flashpoint***	NA	>200	>200	>200	>200

Notes:

Positive results are listed in **BOLD**.

\* = Units are standard pH units.

\*\* = Units are British thermal units per pound (BTU/lb).

\*\*\* = Units are degrees Fahrenheit (°F).

> = Greater than

DW = Drum waste

J = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample.

LF = Liberty Fibers





**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR NEUTRALIZATION PIT SAMPLES**

Sample Designation:	LF-NPWE-01	LF-NPWE-01-DUP	LF-NPW-02
Sample Collection Date:	1/20/2010	1/20/2010	1/20/2010
Field Quality Control Sample:		Field Duplicate	
Volatile Organic Compounds	mg/kg	mg/kg	mg/kg
1,1,1-Trichloroethane	0.00182 UJ	0.00198 UJ	0.00189 UJ
1,1,2,2-Tetrachloroethane	0.00182 UJ	0.00198 UJ	0.00189 UJ
1,1,2-Trichloroethane	0.00455 UJ	0.00496 UJ	0.00473 UJ
1,1,2-Trifluorotrichloroethane	0.00182 UJ	0.00198 UJ	0.00189 UJ
1,1-Dichloroethane	0.00182 UJ	0.00198 UJ	0.00189 UJ
1,1-Dichloroethene	0.00182 UJ	0.00198 UJ	0.00189 UJ
1,2,3-Trichlorobenzene	0.00182 UJ	0.00198 UJ	0.00189 UJ
1,2,4-Trichlorobenzene	0.00182 UJ	0.00198 UJ	0.00189 UJ
1,2-Dibromo-3-chloropropane	0.00455 UJ	0.00496 UJ	0.00473 UJ
1,2-Dibromoethane (EDB)	0.00182 UJ	0.00198 UJ	0.00189 UJ
1,2-Dichlorobenzene	0.00182 UJ	0.00198 UJ	0.00189 UJ
1,2-Dichloroethane	0.00182 UJ	0.00198 UJ	0.00189 UJ
1,2-Dichloropropane	0.00182 UJ	0.00198 UJ	0.00189 UJ
1,3-Dichlorobenzene	0.00182 UJ	0.00198 UJ	0.00189 UJ
1,4-Dichlorobenzene	0.00182 UJ	0.00198 UJ	0.00189 UJ
2-Butanone	0.0455 UJ	<b>0.0332 J-</b>	0.0473 UJ
2-Hexanone	<b>0.0172 J-</b>	0.0496 UJ	0.0473 UJ
4-Methyl-2-pentanone	0.0455 UJ	0.0496 UJ	0.0473 UJ
Acetone	<b>0.540 J</b>	<b>0.374 J</b>	<b>0.0897 J</b>
Benzene	0.00182 UJ	0.00198 UJ	0.00189 UJ
Bromochloromethane	0.00182 UJ	0.00198 UJ	0.00189 UJ
Bromodichloromethane	0.00182 UJ	0.00198 UJ	0.00189 UJ
Bromoform	0.00182 UJ	0.00198 UJ	0.00189 UJ
Bromomethane	0.00182 UJ	0.00198 UJ	0.00189 UJ
Carbon disulfide	<b>0.713 J-</b>	<b>0.936 J-</b>	<b>0.0634 J+</b>
Carbon Tetrachloride	0.00182 UJ	0.00198 UJ	0.00189 UJ
Chlorobenzene	0.00182 UJ	0.00198 UJ	0.00189 UJ
Chlorodibromomethane	0.00182 UJ	0.00198 UJ	0.00189 UJ
Chloroethane	0.00455 UJ	0.00496 UJ	0.00473 UJ
Chloroform	0.00182 UJ	0.00198 UJ	0.00189 UJ
Chloromethane	0.00182 UJ	0.00198 UJ	0.00189 UJ
cis-1,2-Dichloroethene	0.00182 UJ	0.00198 UJ	0.00189 UJ
cis-1,3-Dichloropropene	0.00182 UJ	0.00198 UJ	0.00189 UJ
Cyclohexane	0.00909 UJ	0.00992 UJ	0.00947 UJ
Dichlorodifluoromethane	0.00182 UJ	0.00198 UJ	0.00189 UJ
Ethylbenzene	0.00182 UJ	0.00198 UJ	0.00189 UJ
Isopropylbenzene	0.00182 UJ	0.00198 UJ	0.00189 UJ
Methyl Acetate	0.00909 UJ	0.00992 UJ	0.00947 UJ
Methyl tert-Butyl Ether	0.00182 UJ	0.00198 UJ	0.00189 UJ
Methylcyclohexane	0.00909 UJ	0.00992 UJ	0.00947 UJ
Methylene Chloride	0.00909 UJ	0.00992 UJ	0.00947 UJ
Styrene	0.00182 UJ	0.00198 UJ	0.00189 UJ
Tetrachloroethene	0.00182 UJ	0.00198 UJ	0.00189 UJ
Toluene	0.00182 UJ	0.00198 UJ	0.00189 UJ
trans-1,2-Dichloroethene	0.00182 UJ	0.00198 UJ	0.00189 UJ
trans-1,3-Dichloropropene	0.00182 UJ	0.00198 UJ	0.00189 UJ

**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR NEUTRALIZATION PIT SAMPLES**

<b>Sample Designation:</b>	<b>LF-NPWE-01</b>	<b>LF-NPWE-01-DUP</b>	<b>LF-NPW-02</b>
<b>Sample Collection Date:</b>	<b>1/20/2010</b>	<b>1/20/2010</b>	<b>1/20/2010</b>
<b>Field Quality Control Sample:</b>		<b>Field Duplicate</b>	
<b>Volatile Organic Compounds</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
Trichloroethene	0.00182 UJ	0.00198 UJ	0.00189 UJ
Trichlorofluoromethane	0.00182 UJ	0.00198 UJ	0.00189 UJ
Vinyl chloride	0.00182 UJ	0.00198 UJ	0.00189 UJ
Xylenes, total	0.00455 UJ	0.00496 UJ	0.00473 UJ
<b>Semivolatile Organic Compounds</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
1,2,4,5-Tetrachlorobenzene	1.66 U	1.66 U	1.64 U
2,4,5-Trichlorophenol	R	R	R
2,4,6-Trichlorophenol	R	R	R
2,4-Dichlorophenol	R	R	R
2,4-Dimethylphenol	R	R	R
2,4-Dinitrophenol	R	R	R
2,4-Dinitrotoluene	0.331 U	0.330 U	0.327 U
2,6-Dichlorophenol	R	R	R
2,6-Dinitrotoluene	0.331 U	0.330 U	0.327 U
2-Chloronaphthalene	0.331 U	0.330 U	0.327 U
2-Chlorophenol	R	R	R
2-Methylnaphthalene	0.331 U	0.330 U	0.327 U
2-Methylphenol	R	R	R
2-Nitroaniline	0.829 U	0.826 U	0.819 U
2-Nitrophenol	R	R	R
3,3-Dichlorobenzidine	0.664 U	0.662 U	0.656 U
3/4-Methylphenol	R	R	R
3-Nitroaniline	0.829 U	0.826 U	0.819 U
4,6-Dinitro-2-methylphenol	R	R	R
4-Bromophenyl phenyl ether	0.331 U	0.330 U	0.327 U
4-Chloro-3-methylphenol	R	R	R
4-Chloroaniline	0.331 U	0.330 U	0.327 U
4-Chlorophenyl phenyl ether	0.331 U	0.330 U	0.327 U
4-Nitroaniline	0.829 U	0.826 U	0.819 U
4-Nitrophenol	R	R	R
Acenaphthene	0.331 U	0.330 U	0.327 U
Acenaphthylene	0.331 U	0.330 U	0.327 U
Acetophenone	0.331 U	0.330 U	0.327 U
Anthracene	0.331 U	0.330 U	0.327 U
Atrazine	0.331 U	0.330 U	0.327 U
Benzaldehyde	1.66 U	1.66 U	1.64 U
Benzo (a) anthracene	0.331 U	<b>0.0711 J</b>	0.327 U
Benzo (a) pyrene	0.331 U	0.330 U	0.327 U
Benzo (b) fluoranthene	0.331 U	0.330 U	0.327 U
Benzo (g,h,i) perylene	0.331 U	0.330 U	0.327 U
Benzo (k) fluoranthene	0.331 U	0.330 U	0.327 U
Biphenyl	0.331 U	0.330 U	0.327 U
Bis(2-chloroethoxy)methane	0.331 U	0.330 U	0.327 U
Bis(2-chloroethyl)ether	0.331 U	0.330 U	0.327 U
Bis(2-chloroisopropyl)ether	0.331 U	0.330 U	0.327 U
Bis(2-ethylhexyl)phthalate	0.331 U	0.330 U	0.327 U

**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR NEUTRALIZATION PIT SAMPLES**

<b>Sample Designation:</b>	<b>LF-NPWE-01</b>	<b>LF-NPWE-01-DUP</b>	<b>LF-NPW-02</b>
<b>Sample Collection Date:</b>	<b>1/20/2010</b>	<b>1/20/2010</b>	<b>1/20/2010</b>
<b>Field Quality Control Sample:</b>		<b>Field Duplicate</b>	
<b>Semivolatile Organic Compounds</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
Butyl benzyl phthalate	0.331 U	0.330 U	0.327 U
Caprolactam	0.331 U	0.330 U	0.327 U
Carbazole	0.331 U	0.330 U	0.327 U
Chrysene	0.331 U	<b>0.0734 J</b>	0.327 U
Dibenz (a,h) anthracene	0.331 U	0.330 U	0.327 U
Dibenzofuran	0.331 U	<b>0.117 J</b>	0.327 U
Diethyl phthalate	0.331 U	0.330 U	0.327 U
Dimethyl phthalate	0.331 U	0.330 U	0.327 U
Di-n-butyl phthalate	0.331 U	0.330 U	0.327 U
Di-n-octyl phthalate	0.331 U	0.330 U	0.327 U
Fluoranthene	0.331 U	0.330 U	0.327 U
Fluorene	0.331 U	0.330 U	0.327 U
Hexachlorobenzene	0.331 U	0.330 U	0.327 U
Hexachlorobutadiene	0.331 U	0.330 U	0.327 U
Hexachlorocyclopentadiene	0.331 U	0.330 U	0.327 U
Hexachloroethane	0.331 U	0.330 U	0.327 U
Indeno (1,2,3-cd) pyrene	0.331 U	0.330 U	0.327 U
Isophorone	0.331 U	0.330 U	0.327 U
Naphthalene	0.331 U	0.330 U	0.327 U
Nitrobenzene	0.331 U	0.330 U	0.327 U
N-Nitrosodi-n-propylamine	0.331 U	0.330 U	0.327 U
N-Nitrosodiphenylamine	0.331 U	0.330 U	0.327 U
Pentachlorophenol	R	R	R
Phenanthrene	0.331 U	0.330 U	0.327 U
Phenol	R	R	R
Pyrene	0.331 U	<b>0.0843 J</b>	0.327 U
<b>Metals</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
Aluminum	<b>2720</b>	<b>2590</b>	<b>4280</b>
Antimony	99.8 U	<b>7.89 J</b>	99.6 U
Arsenic	9.98 U	9.86 U	9.96 U
Barium	<b>60.5</b>	<b>76.9</b>	<b>54.2</b>
Beryllium	9.98 U	9.86 U	9.96 U
Cadmium	9.98 U	9.86 U	9.96 U
Calcium	<b>165000</b>	<b>108000</b>	<b>212000</b>
Chromium	<b>8.78 J</b>	<b>22.7</b>	<b>19.3</b>
Cobalt	9.98 U	9.86 U	9.96 U
Copper	<b>8.98 J</b>	<b>87.4</b>	19.9 U
Iron	<b>9560</b>	<b>54200</b>	<b>3680</b>
Lead	<b>68.5 J-</b>	<b>123 J-</b>	<b>18.6 J-</b>
Magnesium	<b>2140 J+</b>	<b>2490 J+</b>	<b>3390 J+</b>
Manganese	<b>211</b>	<b>492</b>	<b>145</b>
Mercury	<b>1.80</b>	<b>1.78</b>	<b>1.24</b>
Nickel	9.98 U	<b>57.4</b>	<b>11.8</b>
Potassium	998 U	986 U	996 U
Selenium	20.0 U	<b>10.3 J</b>	19.9 U
Silver	9.98 U	9.86 U	9.96 U

**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR NEUTRALIZATION PIT SAMPLES**

<b>Sample Designation:</b>	<b>LF-NPWE-01</b>	<b>LF-NPWE-01-DUP</b>	<b>LF-NPW-02</b>
<b>Sample Collection Date:</b>	<b>1/20/2010</b>	<b>1/20/2010</b>	<b>1/20/2010</b>
<b>Field Quality Control Sample:</b>		<b>Field Duplicate</b>	
<b>Metals</b>	<b>mg/kg</b>	<b>mg/kg</b>	<b>mg/kg</b>
Sodium	2000 U	1970 U	1990 U
Thallium	20.0 U	19.7 U	19.9 U
Vanadium	99.8 U	98.6 U	99.6 U
Zinc	<b>470 J-</b>	<b>477 J-</b>	<b>235 J-</b>

Notes:

Positive results are listed in **BOLD**.

DUP = Field duplicate

J = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample.

J+ = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample and may be biased high.

J- = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample and may be biased low.

LF = Liberty Fibers

µg/L = Micrograms per liter

mg/kg = Milligrams per kilogram

mg/L = Milligrams per liter

NA = Not analyzed

NPW = Neutralization Pit Waste

NPWE = Neutralization Pit Waste East

NPWW = Neutralization Pit Waste West

R = The sample results are unusable based on the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

RB = Rinsate Blank

U = The analyte was analyzed for, but was not detected at or above the reporting limit.

UJ = The analyte was analyzed for, but was not detected at or above the reporting limit, which is considered approximate due to deficiencies in one or more quality control criteria.



**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR NEUTRALIZATION PIT SAMPLES**

<b>Sample Designation:</b>	<b>LF-NPWW-01</b>	<b>LF-RB-01</b>	<b>Trip Blank</b>
<b>Sample Collection Date:</b>	<b>1/20/2010</b>	<b>1/25/2010</b>	<b>1/20/2010</b>
<b>Field Quality Control Sample:</b>		<b>Rinsate Blank</b>	<b>Trip Blank</b>
<b>Volatile Organic Compounds</b>	<b>mg/kg</b>	<b>µg/L</b>	<b>µg/L</b>
1,1,1-Trichloroethane	0.00211 U	1.00 U	1.00 U
1,1,2,2-Tetrachloroethane	0.00211 U	1.00 U	1.00 U
1,1,2-Trichloroethane	0.00527 U	1.00 U	1.00 U
1,1,2-Trifluorotrichloroethane	0.00211 U	1.00 U	1.00 U
1,1-Dichloroethane	0.00211 U	1.00 U	1.00 U
1,1-Dichloroethene	0.00211 U	1.00 U	1.00 U
1,2,3-Trichlorobenzene	0.00211 UJ	1.00 U	1.00 U
1,2,4-Trichlorobenzene	0.00211 U	1.00 U	1.00 U
1,2-Dibromo-3-chloropropane	0.00527 U	5.00 U	5.00 U
1,2-Dibromoethane (EDB)	0.00211 U	1.00 U	1.00 U
1,2-Dichlorobenzene	0.00211 U	1.00 U	1.00 U
1,2-Dichloroethane	0.00211 U	1.00 U	1.00 U
1,2-Dichloropropane	0.00211 U	1.00 U	1.00 U
1,3-Dichlorobenzene	0.00211 U	1.00 U	1.00 U
1,4-Dichlorobenzene	0.00211 U	1.00 U	1.00 U
2-Butanone	0.0527 U	50.0 U	50.0 U
2-Hexanone	0.0527 U	50.0 U	50.0 U
4-Methyl-2-pentanone	0.0527 U	10.0 U	10.0 U
Acetone	<b>0.148</b>	50.0 U	50.0 U
Benzene	0.00211 U	1.00 U	1.00 U
Bromochloromethane	0.00211 U	1.00 U	1.00 U
Bromodichloromethane	0.00211 U	1.00 U	1.00 U
Bromoform	0.00211 U	1.00 U	1.00 U
Bromomethane	0.00211 U	1.00 U	1.00 U
Carbon disulfide	<b>0.0899 J+</b>	1.00 U	1.00 U
Carbon Tetrachloride	0.00211 U	1.00 U	1.00 U
Chlorobenzene	0.00211 U	1.00 U	1.00 U
Chlorodibromomethane	0.00211 U	1.00 U	1.00 U
Chloroethane	0.00527 U	1.00 U	1.00 U
Chloroform	0.00211 U	1.00 U	1.00 U
Chloromethane	0.00211 U	1.00 U	1.00 U
cis-1,2-Dichloroethene	0.00211 U	1.00 U	1.00 U
cis-1,3-Dichloropropene	0.00211 U	1.00 U	1.00 U
Cyclohexane	0.0105 U	5.00 U	5.00 U
Dichlorodifluoromethane	0.00211 U	1.00 U	1.00 U
Ethylbenzene	0.00211 U	1.00 U	1.00 U
Isopropylbenzene	0.00211 U	1.00 U	1.00 U
Methyl Acetate	0.0105 UJ	10.0 U	10.0 U
Methyl tert-Butyl Ether	0.00211 U	1.00 U	1.00 U
Methylcyclohexane	0.0105 U	5.00 U	5.00 U
Methylene Chloride	0.0105 U	5.00 U	5.00 U
Styrene	0.00211 U	1.00 U	1.00 U
Tetrachloroethene	0.00211 U	1.00 U	1.00 U
Toluene	0.00211 U	1.00 U	1.00 U
trans-1,2-Dichloroethene	0.00211 U	1.00 U	1.00 U
trans-1,3-Dichloropropene	0.00211 U	1.00 U	1.00 U

**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR NEUTRALIZATION PIT SAMPLES**

<b>Sample Designation:</b>	<b>LF-NPWW-01</b>	<b>LF-RB-01</b>	<b>Trip Blank</b>
<b>Sample Collection Date:</b>	<b>1/20/2010</b>	<b>1/25/2010</b>	<b>1/20/2010</b>
<b>Field Quality Control Sample:</b>		<b>Rinsate Blank</b>	<b>Trip Blank</b>
<b>Volatile Organic Compounds</b>	<b>mg/kg</b>	<b>µg/L</b>	<b>µg/L</b>
Trichloroethene	0.00211 U	1.00 U	1.00 U
Trichlorofluoromethane	0.00211 U	1.00 U	1.00 U
Vinyl chloride	0.00211 U	1.00 U	1.00 U
Xylenes, total	0.00527 U	3.00 U	3.00 U
<b>Semivolatile Organic Compounds</b>	<b>mg/kg</b>	<b>µg/L</b>	
1,2,4,5-Tetrachlorobenzene	1.66 U	10.5 U	NA
2,4,5-Trichlorophenol	R	26.3 U	NA
2,4,6-Trichlorophenol	R	10.5 U	NA
2,4-Dichlorophenol	R	10.5 U	NA
2,4-Dimethylphenol	R	10.5 U	NA
2,4-Dinitrophenol	R	26.3 U	NA
2,4-Dinitrotoluene	0.330 U	10.5 U	NA
2,6-Dichlorophenol	R	21.1 U	NA
2,6-Dinitrotoluene	0.330 U	10.5 U	NA
2-Chloronaphthalene	0.330 U	10.5 U	NA
2-Chlorophenol	R	10.5 U	NA
2-Methylnaphthalene	0.330 U	10.5 U	NA
2-Methylphenol	R	10.5 U	NA
2-Nitroaniline	0.826 U	26.3 U	NA
2-Nitrophenol	R	10.5 U	NA
3,3-Dichlorobenzidine	0.661 U	10.5 U	NA
3/4-Methylphenol	R	10.5 U	NA
3-Nitroaniline	0.826 U	26.3 U	NA
4,6-Dinitro-2-methylphenol	R	26.3 U	NA
4-Bromophenyl phenyl ether	0.330 U	10.5 U	NA
4-Chloro-3-methylphenol	R	10.5 U	NA
4-Chloroaniline	0.330 U	10.5 U	NA
4-Chlorophenyl phenyl ether	0.330 U	10.5 U	NA
4-Nitroaniline	0.826 U	26.3 U	NA
4-Nitrophenol	R	26.3 U	NA
Acenaphthene	0.330 UJ	10.5 U	NA
Acenaphthylene	0.330 U	10.5 U	NA
Acetophenone	0.330 U	10.5 U	NA
Anthracene	0.330 U	10.5 U	NA
Atrazine	0.330 U	10.5 U	NA
Benzaldehyde	1.66 U	10.5 U	NA
Benzo (a) anthracene	0.330 U	10.5 U	NA
Benzo (a) pyrene	0.330 U	10.5 U	NA
Benzo (b) fluoranthene	0.330 U	10.5 U	NA
Benzo (g,h,i) perylene	0.330 U	10.5 U	NA
Benzo (k) fluoranthene	0.330 U	10.5 U	NA
Biphenyl	0.330 U	10.5 U	NA
Bis(2-chloroethoxy)methane	0.330 U	10.5 U	NA
Bis(2-chloroethyl)ether	0.330 U	10.5 UJ	NA
Bis(2-chloroisopropyl)ether	0.330 U	10.5 U	NA
Bis(2-ethylhexyl)phthalate	0.330 U	10.5 U	NA

**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR NEUTRALIZATION PIT SAMPLES**

<b>Sample Designation:</b>	<b>LF-NPWW-01</b>	<b>LF-RB-01</b>	<b>Trip Blank</b>
<b>Sample Collection Date:</b>	<b>1/20/2010</b>	<b>1/25/2010</b>	<b>1/20/2010</b>
<b>Field Quality Control Sample:</b>		<b>Rinsate Blank</b>	<b>Trip Blank</b>
<b>Semivolatile Organic Compounds</b>	<b>mg/kg</b>	<b>µg/L</b>	
Butyl benzyl phthalate	0.330 U	10.5 U	NA
Caprolactam	0.330 U	10.5 U	NA
Carbazole	0.330 U	10.5 U	NA
Chrysene	0.330 U	10.5 U	NA
Dibenz (a,h) anthracene	0.330 U	10.5 U	NA
Dibenzofuran	0.330 U	10.5 U	NA
Diethyl phthalate	0.330 U	10.5 U	NA
Dimethyl phthalate	0.330 UJ	10.5 U	NA
Di-n-butyl phthalate	0.330 U	10.5 U	NA
Di-n-octyl phthalate	0.330 U	10.5 U	NA
Fluoranthene	0.330 U	10.5 U	NA
Fluorene	0.330 U	10.5 U	NA
Hexachlorobenzene	0.330 U	10.5 U	NA
Hexachlorobutadiene	0.330 U	10.5 U	NA
Hexachlorocyclopentadiene	0.330 U	10.5 U	NA
Hexachloroethane	0.330 U	10.5 U	NA
Indeno (1,2,3-cd) pyrene	0.330 U	10.5 U	NA
Isophorone	0.330 U	10.5 U	NA
Naphthalene	0.330 U	10.5 U	NA
Nitrobenzene	0.330 U	10.5 U	NA
N-Nitrosodi-n-propylamine	0.330 U	10.5 U	NA
N-Nitrosodiphenylamine	0.330 U	10.5 U	NA
Pentachlorophenol	R	26.3 U	NA
Phenanthrene	0.330 U	10.5 U	NA
Phenol	R	10.5 U	NA
Pyrene	0.330 U	10.5 U	NA
<b>Metals</b>	<b>mg/kg</b>	<b>mg/L</b>	
Aluminum	<b>3800</b>	0.100 U	NA
Antimony	99.2 U	0.0100 U	NA
Arsenic	<b>19.8</b>	0.0100 U	NA
Barium	<b>108</b>	0.0100 U	NA
Beryllium	9.92 U	0.00400 U	NA
Cadmium	9.92 U	0.00100 U	NA
Calcium	<b>139000</b>	1.00 U	NA
Chromium	9.92 U	0.00500 U	NA
Cobalt	9.92 U	0.0200 U	NA
Copper	<b>9.52 J</b>	0.0100 U	NA
Iron	<b>4880</b>	0.0500 U	NA
Lead	<b>28.1 J-</b>	0.00500 U	NA
Magnesium	<b>2010 J+</b>	1.00 U	NA
Manganese	<b>115</b>	0.0150 U	NA
Mercury	<b>1.02</b>	0.000200 U	NA
Nickel	9.92 U	0.0100 U	NA
Potassium	992 U	1.00 U	NA
Selenium	<b>9.27 J</b>	0.0100 U	NA
Silver	9.92 U	0.00500 U	NA

**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR NEUTRALIZATION PIT SAMPLES**

<b>Sample Designation:</b>	<b>LF-NPWW-01</b>	<b>LF-RB-01</b>	<b>Trip Blank</b>
<b>Sample Collection Date:</b>	<b>1/20/2010</b>	<b>1/25/2010</b>	<b>1/20/2010</b>
<b>Field Quality Control Sample:</b>		<b>Rinsate Blank</b>	<b>Trip Blank</b>
<b>Metals</b>	<b>mg/kg</b>	<b>mg/L</b>	
Sodium	1980 U	1.00 U	NA
Thallium	19.8 U	0.0100 U	NA
Vanadium	99.2 U	0.0200 U	NA
Zinc	<b>310 J-</b>	<b>0.0113 J</b>	NA

Notes:

Positive results are listed in **BOLD**.

DUP = Field duplicate

J = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample.

J+ = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample and may be biased high.

J- = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample and may be biased low.

LF = Liberty Fibers

µg/L = Micrograms per liter

mg/kg = Milligrams per kilogram

mg/L = Milligrams per liter

NA = Not analyzed

NPW = Neutralization Pit Waste

NPWE = Neutralization Pit Waste East

NPWW = Neutralization Pit Waste West

R = The sample results are unusable based on the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

RB = Rinsate Blank

U = The analyte was analyzed for, but was not detected at or above the reporting limit.

UJ = The analyte was analyzed for, but was not detected at or above the reporting limit, which is considered approximate due to deficiencies in one or more quality control criteria.



**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR THE SURFACE SOIL SAMPLE**

<b>Sample Designation:</b>	<b>LF-SS-01</b>
<b>Sample Collection Date:</b>	<b>1/21/2010</b>
<b>Semivolatile Organic Compounds</b>	<b>mg/kg</b>
1,2,4,5-Tetrachlorobenzene	1.67 U
2,4,5-Trichlorophenol	0.832 U
2,4,6-Trichlorophenol	0.332 U
2,4-Dichlorophenol	0.332 U
2,4-Dimethylphenol	0.332 U
2,4-Dinitrophenol	0.832 U
2,4-Dinitrotoluene	0.332 U
2,6-Dichlorophenol	0.332 U
2,6-Dinitrotoluene	0.332 U
2-Chloronaphthalene	0.332 U
2-Chlorophenol	0.332 U
2-Methylnaphthalene	0.332 U
2-Methylphenol	0.332 U
2-Nitroaniline	0.832 U
2-Nitrophenol	0.332 U
3,3-Dichlorobenzidine	0.666 U
3/4-Methylphenol	0.332 U
3-Nitroaniline	0.832 U
4,6-Dinitro-2-methylphenol	0.832 U
4-Bromophenyl phenyl ether	0.332 U
4-Chloro-3-methylphenol	0.332 U
4-Chloroaniline	0.332 U
4-Chlorophenyl phenyl ether	0.332 U
4-Nitroaniline	0.832 U
4-Nitrophenol	0.832 U
Acenaphthene	0.332 U
Acenaphthylene	0.332 U
Acetophenone	0.332 U
Anthracene	<b>0.0562 J</b>
Atrazine	0.332 U
Benzaldehyde	1.67 U
Benzo (a) anthracene	<b>0.135 J</b>
Benzo (a) pyrene	<b>0.130 J</b>
Benzo (b) fluoranthene	<b>0.139 J</b>
Benzo (g,h,i) perylene	<b>0.0809 J</b>
Benzo (k) fluoranthene	<b>0.130 J</b>
Biphenyl	0.332 U
Bis(2-chloroethoxy)methane	0.332 U

<b>Sample Designation:</b>	<b>LF-SS-01</b>
<b>Sample Collection Date:</b>	<b>1/21/2010</b>
<b>Semivolatile Organic Compounds</b>	<b>mg/kg</b>
Bis(2-chloroethyl)ether	0.332 U
Bis(2-chloroisopropyl)ether	0.332 U
Bis(2-ethylhexyl)phthalate	0.332 U
Butyl benzyl phthalate	0.332 U
Caprolactam	0.332 U
Carbazole	0.332 U
Chrysene	<b>0.154 J</b>
Dibenz (a,h) anthracene	<b>0.0353 J</b>
Dibenzofuran	0.332 U
Diethyl phthalate	0.332 U
Dimethyl phthalate	<b>0.462</b>
Di-n-butyl phthalate	<b>0.114 J</b>
Di-n-octyl phthalate	0.332 U
Fluoranthene	<b>0.371</b>
Fluorene	<b>0.0546 J</b>
Hexachlorobenzene	0.332 U
Hexachlorobutadiene	0.332 U
Hexachlorocyclopentadiene	0.332 U
Hexachloroethane	0.332 U
Indeno (1,2,3-cd) pyrene	<b>0.0775 J</b>
Isophorone	0.332 U
Naphthalene	0.332 U
Nitrobenzene	0.332 U
N-Nitrosodi-n-propylamine	0.332 U
N-Nitrosodiphenylamine	0.332 U
Pentachlorophenol	0.832 U
Phenanthrene	<b>0.331 J</b>
Phenol	0.332 U
Pyrene	<b>0.273 J</b>
<b>Polychlorinated Biphenyls</b>	<b>mg/kg</b>
PCB-1016	0.0323 U
PCB-1221	0.0323 U
PCB-1232	0.0323 U
PCB-1242	<b>0.805</b>
PCB-1248	0.0323 U
PCB-1254	0.0323 U
PCB-1260	0.0323 U

Notes:

Positive results are listed in **BOLD**.

J = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample.

LF = Liberty Fibers

µg/L = Micrograms per liter

mg/kg = Milligrams per kilogram

SS = Surface soil

U = The analyte was analyzed for, but was not detected at or above the reporting limit.



**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR FORMER VAULT SAMPLES**

<b>Sample Designation:</b>	<b>LF-VAW-01</b>	<b>LF-VAW-01-DUP</b>	<b>LF-VAW-02</b>
<b>Sample Collection Date:</b>	<b>1/20/2010</b>	<b>1/20/2010</b>	<b>1/20/2010</b>
<b>Field Quality Control Sample:</b>		<b>Field Duplicate</b>	
<b>Volatile Organic Compounds</b>	<b>µg/L</b>	<b>µg/L</b>	<b>µg/L</b>
1,1,1-Trichloroethane	1.00 U	1.00 U	1.00 U
1,1,2,2-Tetrachloroethane	1.00 U	1.00 U	1.00 U
1,1,2-Trichloroethane	1.00 U	1.00 U	1.00 U
1,1,2-Trifluorotrichloroethane	1.00 U	1.00 U	1.00 U
1,1-Dichloroethane	1.00 U	1.00 U	1.00 U
1,1-Dichloroethene	1.00 U	1.00 U	1.00 U
1,2,3-Trichlorobenzene	1.00 U	1.00 U	1.00 U
1,2,4-Trichlorobenzene	1.00 U	1.00 U	1.00 U
1,2-Dibromo-3-chloropropane	5.00 U	5.00 U	5.00 U
1,2-Dibromoethane (EDB)	1.00 U	1.00 U	1.00 U
1,2-Dichlorobenzene	1.00 U	1.00 U	1.00 U
1,2-Dichloroethane	1.00 U	1.00 U	1.00 U
1,2-Dichloropropane	1.00 U	1.00 U	1.00 U
1,3-Dichlorobenzene	1.00 U	1.00 U	1.00 U
1,4-Dichlorobenzene	1.00 U	1.00 U	1.00 U
2-Butanone	50.0 U	50.0 U	50.0 U
2-Hexanone	50.0 U	50.0 U	50.0 U
4-Methyl-2-pentanone	10.0 U	10.0 U	10.0 U
Acetone	50.0 U	50.0 U	50.0 U
Benzene	1.00 U	1.00 U	1.00 U
Bromochloromethane	1.00 U	1.00 U	1.00 U
Bromodichloromethane	1.00 U	1.00 U	1.00 U
Bromoform	1.00 U	1.00 U	1.00 U
Bromomethane	1.00 U	1.00 U	1.00 U
Carbon disulfide	<b>1.86 J</b>	<b>4.09 J</b>	<b>716</b>
Carbon Tetrachloride	1.00 U	1.00 U	1.00 U
Chlorobenzene	1.00 U	1.00 U	1.00 U
Chlorodibromomethane	1.00 U	1.00 U	1.00 U
Chloroethane	1.00 U	1.00 U	1.00 U
Chloroform	1.00 U	1.00 U	1.00 U
Chloromethane	1.00 U	1.00 U	1.00 U
cis-1,2-Dichloroethene	1.00 U	1.00 U	1.00 U
cis-1,3-Dichloropropene	1.00 U	1.00 U	1.00 U
Cyclohexane	5.00 U	5.00 U	5.00 U
Dichlorodifluoromethane	1.00 U	1.00 U	1.00 U
Ethylbenzene	1.00 U	1.00 U	1.00 U
Isopropylbenzene	1.00 U	1.00 U	1.00 U
Methyl Acetate	10.0 U	10.0 U	10.0 U
Methyl tert-Butyl Ether	1.00 U	1.00 U	1.00 U
Methylcyclohexane	5.00 U	5.00 U	5.00 U
Methylene Chloride	5.00 U	5.00 U	5.00 U
Styrene	1.00 U	1.00 U	1.00 U
Tetrachloroethene	1.00 U	1.00 U	1.00 U
Toluene	1.00 U	1.00 U	1.00 U
trans-1,2-Dichloroethene	1.00 U	1.00 U	1.00 U
trans-1,3-Dichloropropene	1.00 U	1.00 U	1.00 U

**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR FORMER VAULT SAMPLES**

<b>Sample Designation:</b>	<b>LF-VAW-01</b>	<b>LF-VAW-01-DUP</b>	<b>LF-VAW-02</b>
<b>Sample Collection Date:</b>	<b>1/20/2010</b>	<b>1/20/2010</b>	<b>1/20/2010</b>
<b>Field Quality Control Sample:</b>		<b>Field Duplicate</b>	
<b>Volatile Organic Compounds</b>	<b>µg/L</b>	<b>µg/L</b>	<b>µg/L</b>
Trichloroethene	1.00 U	1.00 U	1.00 U
Trichlorofluoromethane	1.00 U	1.00 U	1.00 U
Vinyl chloride	1.00 U	1.00 U	1.00 U
Xylenes, total	3.00 U	3.00 U	3.00 U

Notes:

Positive results are listed in **BOLD**.

DUP = Field duplicate

J = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample.

LF = Liberty Fibers

µg/L = Micrograms per liter

mg/kg = Milligrams per kilogram

U = The analyte was analyzed for, but was not detected at or above the reporting limit.

VAW = Vault aqueous waste

VSW = Vault solid waste

**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR FORMER VAULT SAMPLES**

<b>Sample Designation:</b>	<b>LF-VAW-03</b>	<b>LF-VSW-03</b>	<b>LF-VSW-06</b>
<b>Sample Collection Date:</b>	<b>1/20/2010</b>	<b>1/20/2010</b>	<b>1/20/2010</b>
<b>Field Quality Control Sample:</b>			
<b>Volatile Organic Compounds</b>	<b>µg/L</b>	<b>mg/kg</b>	<b>mg/kg</b>
1,1,1-Trichloroethane	1.00 U	0.00272 U	0.00182 U
1,1,2,2-Tetrachloroethane	1.00 U	0.00272 U	0.00182 U
1,1,2-Trichloroethane	1.00 U	0.00681 U	0.00456 U
1,1,2-Trifluorotrichloroethane	1.00 U	0.00272 U	0.00182 U
1,1-Dichloroethane	1.00 U	0.00272 U	0.00182 U
1,1-Dichloroethene	1.00 U	0.00272 U	0.00182 U
1,2,3-Trichlorobenzene	1.00 U	0.00272 U	0.00182 U
1,2,4-Trichlorobenzene	1.00 U	0.00272 U	0.00182 U
1,2-Dibromo-3-chloropropane	5.00 U	0.00681 U	0.00456 U
1,2-Dibromoethane (EDB)	1.00 U	0.00272 U	0.00182 U
1,2-Dichlorobenzene	1.00 U	0.00272 U	0.00182 U
1,2-Dichloroethane	1.00 U	0.00272 U	0.00182 U
1,2-Dichloropropane	1.00 U	0.00272 U	0.00182 U
1,3-Dichlorobenzene	1.00 U	0.00272 U	0.00182 U
1,4-Dichlorobenzene	1.00 U	0.00272 U	0.00182 U
2-Butanone	50.0 U	0.0681 U	0.0456 U
2-Hexanone	50.0 U	0.0681 U	0.0456 U
4-Methyl-2-pentanone	10.0 U	0.0681 U	0.0456 U
Acetone	50.0 U	<b>0.243</b>	<b>0.157</b>
Benzene	1.00 U	0.00272 U	0.00182 U
Bromochloromethane	1.00 U	0.00272 U	0.00182 U
Bromodichloromethane	1.00 U	0.00272 U	0.00182 U
Bromoform	1.00 U	0.00272 U	0.00182 U
Bromomethane	1.00 U	0.00272 U	0.00182 U
Carbon disulfide	<b>0.850 J</b>	<b>0.0117</b>	<b>0.041 J</b>
Carbon Tetrachloride	1.00 U	0.00272 U	0.00182 U
Chlorobenzene	1.00 U	0.00272 U	0.00182 U
Chlorodibromomethane	1.00 U	0.00272 U	0.00182 U
Chloroethane	1.00 U	0.00681 U	0.00456 U
Chloroform	1.00 U	0.00272 U	0.00182 U
Chloromethane	1.00 U	0.00272 U	0.00182 U
cis-1,2-Dichloroethene	1.00 U	0.00272 U	0.00182 U
cis-1,3-Dichloropropene	1.00 U	0.00272 U	0.00182 U
Cyclohexane	5.00 U	0.0136 U	<b>0.000438 J</b>
Dichlorodifluoromethane	1.00 U	0.00272 U	0.00182 U
Ethylbenzene	1.00 U	0.00272 U	0.00182 U
Isopropylbenzene	1.00 U	0.00272 U	0.00182 U
Methyl Acetate	10.0 U	0.0136 U	0.00912 U
Methyl tert-Butyl Ether	1.00 U	0.00272 U	0.00182 U
Methylcyclohexane	5.00 U	0.0136 U	0.00912 U
Methylene Chloride	5.00 U	0.0136 U	0.00912 U
Styrene	1.00 U	0.00272 U	0.00182 U
Tetrachloroethene	1.00 U	0.00272 U	0.00182 U
Toluene	1.00 U	0.00272 U	<b>0.000456 J</b>
trans-1,2-Dichloroethene	1.00 U	0.00272 U	0.00182 U
trans-1,3-Dichloropropene	1.00 U	0.00272 U	0.00182 U



**DATA VALIDATION-QUALIFIED LABORATORY ANALYTICAL RESULTS  
FOR FORMER VAULT SAMPLES**

<b>Sample Designation:</b>	<b>LF-VAW-03</b>	<b>LF-VSW-03</b>	<b>LF-VSW-06</b>
<b>Sample Collection Date:</b>	<b>1/20/2010</b>	<b>1/20/2010</b>	<b>1/20/2010</b>
<b>Field Quality Control Sample:</b>			
<b>Volatile Organic Compounds</b>	<b>µg/L</b>	<b>mg/kg</b>	<b>mg/kg</b>
Trichloroethene	1.00 U	0.00272 U	0.00182 U
Trichlorofluoromethane	1.00 U	0.00272 U	0.00182 U
Vinyl chloride	1.00 U	0.00272 U	0.00182 U
Xylenes, total	3.00 U	0.00681 U	0.00456 U

Notes:

Positive results are listed in **BOLD**.

DUP = Field duplicate

J = The analyte was positively identified; the associated value is an estimated concentration of the analyte in the sample.

LF = Liberty Fibers

µg/L = Micrograms per liter

mg/kg = Milligrams per kilogram

U = The analyte was analyzed for, but was not detected at or above the reporting limit.

VAW = Vault aqueous waste

VSW = Vault solid waste

**ENCLOSURE 3**

**CHAIN-OF-CUSTODY DOCUMENTATION FOR TESTAMERICA WORK ORDERS NTA1808  
AND NTA1891**

(Three Sheets)

Nashville, TN 37204  
phone 615.726.0177 fax 615.726.3403

**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING

**TestAmerica Laboratories, Inc.**

Client Contact		Project Manager: Sandra Harrigan		Site Contact: Paul Prys		Date: 1/25/10		COC No: 1								
Tetra Tech EM, Inc.		Tel/Fax: (678) 775-3088		Lab Contact: Cathy Gartner		Carrier: FedEx		1 of 1 COCs								
1955 Evergreen Blvd, Bldg 200, Suite 300		Analysis Turnaround Time						Job No. 103DX90170003.0041.3002								
Duluth, GA 30096		Calendar (C) or Work Days (W)														
(678) 775-3080 Phone		TAT if different from Below														
(678) 775-3138 FAX		<input checked="" type="checkbox"/> 2 weeks														
Project Name: Liberty Fibers Site		<input type="checkbox"/> 1 week														
Site: Lowland, TN		<input type="checkbox"/> 2 days														
PO#		<input type="checkbox"/> 1 day														
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	TCL PCBs	pH	TAL Metals	Anion (Cl, NO <sub>3</sub> , NO <sub>2</sub> , SO <sub>4</sub> , S)	TCL SVOCs	BTU	Flashpoint	NTA1808 02/04/10 23:59	SDG No.	Sample Specific Notes:
LF-DW-01	1/21/2010	14:26	Grab		1		X	X	X							
LF-DW-02	1/21/2010	14:30	Composite		1		X			X	X	X				
LF-DW-03	1/22/2010	09:50	Grab		1		X			X	X	X				
LF-TW-01	1/21/2010	14:39	Composite		1		X			X	X	X				
LF-TW-02	1/21/2010	15:00	Composite		1		X									
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other																
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)										
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input checked="" type="checkbox"/>						<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months										
Special Instructions/QC Requirements & Comments: E-mail results to Jessica Vickers at jessica.vickers@tetratech.com.																
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:						
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:						
Relinquished by:		Company:		Date/Time:		Received by:		Company:		Date/Time:						

Nashville  
2960 Foster Creighton Drive

Nashville, TN 37204  
phone 615.726.0177 fax 615.726.3403

## Chain of Custody Record

**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

<b>Client Contact</b>		<b>Project Manager: Sandra Harrigan</b>		<b>Site Contact: Paul Prys</b>		<b>Date: 1/25/10</b>		<b>COC No: 1</b>				
Tetra Tech EM, Inc.		Tel/Fax: (678) 775-3088		Lab Contact: Cathy Gartner		Carrier: FedEx		1 of 2 COCs				
1955 Evergreen Blvd, Bldg 200, Suite 300		<b>Analysis Turnaround Time</b>						Job No. 103DX90170003.0041.3002				
Duluth, GA 30096		Calendar (C) or Work Days (W) _____										
(678) 775-3080 Phone		TAT if different from Below _____										
(678) 775-3138 FAX		<input checked="" type="checkbox"/> 2 weeks										
Project Name: Liberty Fibers Site		<input type="checkbox"/> 1 week										
Site: Morristown, TN		<input type="checkbox"/> 2 days										
P O #		<input type="checkbox"/> 1 day										
<b>Sample Identification</b>		<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type</b>	<b>Matrix</b>	<b># of Cont.</b>	<b>Offered Sample</b>	<b>TCL VOCs</b>	<b>TCL SVOCs</b>	<b>TAL Metals</b>	<b>TCL PCBs</b>	<b>Sample Specific Notes:</b>
LF-NPWE-01	1/20/2010	10:40	Composite	Soil	5		X	X	X			NTA1891-01
LF-NPWE-01-DUP	1/20/2010	10:55	Composite	Soil	5		X	X	X			02
LF-NPWW-01	1/20/2010	10:45	Composite	Soil	10		X	X	X			03 MS/MSD
LF-NPW-02	1/20/2010	11:00	Composite	Soil	5		X	X	X			04
LF-RB-01	1/25/2010	15:50	Grab	Water	6		X	X	X			05
LF-SS-01	1/21/2010	16:20	Grab	Soil	4			X		X		06
LF-VAW-01	1/20/2010	16:40	Grab	Water	6		X					07 MS/MSD
LF-VAW-01-DUP	1/20/2010	16:40	Grab	Water	3		X					08
LF-VAW-02	1/22/2010	10:20	Grab	Water	3		X					09
LF-VAW-03	1/20/2010	14:50	Grab	Water	3		X					10
LF-VSW-03	1/20/2010	14:50	Grab	Soil	3		X					11
LF-VSW-06	1/20/2010	14:55	Grab	Soil	3		X					12
<b>Preservation Used:</b> 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____												
<b>Possible Hazard Identification</b>							<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>					
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input checked="" type="checkbox"/>							<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
<b>Special Instructions/QC Requirements &amp; Comments:</b> E-mail results to Jessica Vickers at jessica.vickers@tetratech.com.												
<b>Relinquished by:</b>		<b>Company:</b>		<b>Date/Time:</b>		<b>Received by:</b>		<b>Company:</b>		<b>Date/Time:</b>		
		Tetra Tech		1/25/10 1:13				TestAmerica Inc.		1/26/10 10:00		
<b>Relinquished by:</b>		<b>Company:</b>		<b>Date/Time:</b>		<b>Received by:</b>		<b>Company:</b>		<b>Date/Time:</b>		
<b>Relinquished by:</b>		<b>Company:</b>		<b>Date/Time:</b>		<b>Received by:</b>		<b>Company:</b>		<b>Date/Time:</b>		

03/12/10  
115 of 1668



2960 Foster Creighton Drive

phone 615.726.0177 fax 615.726.3403

### Chain of Custody Record

**THE LEADER IN ENVIRONMENTAL TESTING**

**TestAmerica Laboratories, Inc.**

[illegible]

**APPENDIX F**  
**LABORATORY DATA PACKAGES**  
(190 Sheets)

February 27, 2010 2:22:36PM

Client: Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn: Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Nbr: Lowland, TN  
P/O Nbr:  
Date Received: 01/26/10

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
LF-DW-01	NTA1808-01	01/21/10 14:26
LF-DW-02	NTA1808-02	01/21/10 14:30
LF-DW-03	NTA1808-03	01/22/10 09:50
LF-TW-01	NTA1808-04	01/21/10 14:39
LF-TW-02	NTA1808-05	01/21/10 15:00

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Tennessee Certification Number: 02008

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

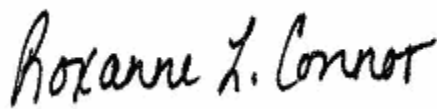
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Roxanne Connor

Program Manager - Conventional Accounts

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-01 (LF-DW-01 - Oil) Sampled: 01/21/10 14:26</b>									
General Chemistry Parameters									
Chloride	<b>5640</b>	B, B1, H2	mg/kg	1000	5000	500	02/25/10 06:21	SW846 9056	10B4069
Sulfate	<b>140000</b>	B, B1	mg/kg	1000	5000	500	02/25/10 06:21	SW846 9056	10B4069
Sulfide	<b>12.0</b>	J, B	mg/kg	5.00	20.0	1	01/31/10 23:00	SW846 9030B/9034	10A4039
Nitrate as N	ND	RL1	mg/kg	4.00	20.0	20	02/25/10 06:58	SW846 9056	10B4069
Nitrite as N	<b>1660</b>		mg/kg	100	500	500	02/25/10 06:21	SW846 9056	10B4069
pH	<b>1.10</b>		pH Units		0.100	1	01/27/10 13:25	SW846 9045D	10A3484
Temperature of pH determination	<b>22.0</b>		Deg C		NA	1	01/27/10 13:25	EPA 170.1	10A3484



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-01 (LF-DW-01 - Oil) - cont. Sampled: 01/21/10 14:26</b>									
Total Metals by EPA Method 6010B									
Aluminum	163		mg/kg	6.12	10.0	1	01/29/10 11:50	SW846 6010B	10A3624
Antimony	ND		mg/kg	0.502	10.0	1	01/29/10 11:50	SW846 6010B	10A3624
Arsenic	ND		mg/kg	0.703	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Barium	0.663	J, B	mg/kg	0.100	2.01	1	01/29/10 11:50	SW846 6010B	10A3624
Beryllium	ND		mg/kg	0.100	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Cadmium	ND		mg/kg	0.201	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Calcium	915		mg/kg	4.72	10.0	1	01/29/10 11:50	SW846 6010B	10A3624
Chromium	2.89		mg/kg	0.502	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Cobalt	ND		mg/kg	0.904	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Copper	ND		mg/kg	0.502	2.01	1	01/29/10 11:50	SW846 6010B	10A3624
Iron	149		mg/kg	9.94	10.0	1	01/29/10 11:50	SW846 6010B	10A3624
Lead	0.554	J, B	mg/kg	0.402	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Magnesium	79.0		mg/kg	3.82	10.0	1	01/29/10 11:50	SW846 6010B	10A3624
Manganese	2.21		mg/kg	0.502	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Nickel	ND		mg/kg	0.703	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Potassium	ND		mg/kg	51.2	100	1	01/29/10 11:50	SW846 6010B	10A3624
Selenium	1.05	J	mg/kg	0.703	2.01	1	01/29/10 11:50	SW846 6010B	10A3624
Silver	ND		mg/kg	0.502	1.00	1	01/29/10 11:50	SW846 6010B	10A3624
Sodium	ND		mg/kg	164	201	1	01/29/10 11:50	SW846 6010B	10A3624
Thallium	ND		mg/kg	1.61	2.01	1	01/29/10 11:50	SW846 6010B	10A3624
Vanadium	ND		mg/kg	1.10	10.0	1	01/29/10 11:50	SW846 6010B	10A3624
Zinc	147		mg/kg	0.803	10.0	1	01/29/10 11:50	SW846 6010B	10A3624

Mercury by EPA Methods 7470A/7471A

Mercury	ND		mg/kg	0.0385	0.0962	1	02/03/10 10:00	SW846 7471A	10A3578
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## Sample ID: NTA1808-02 (LF-DW-02 - Oil) Sampled: 01/21/10 14:30

General Chemistry Parameters

BTU Content	11000		BTU/Lb	100	200	1	02/05/10 06:00	ASTM D240	10B0190
Flashpoint	>200		Deg F		NA	1	02/03/10 15:00	SW846 1010	10B0193

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-02 (LF-DW-02 - Oil) - cont. Sampled: 01/21/10 14:30</b>									
Polychlorinated Biphenyls in Oil by EPA Method 8082									
PCB-1016	ND		mg/kg	0.0738	0.129	4	01/28/10 19:58	SW846 8082	10A3604
PCB-1221	ND		mg/kg	0.0427	0.129	4	01/28/10 19:58	SW846 8082	10A3604
PCB-1232	ND		mg/kg	0.0777	0.129	4	01/28/10 19:58	SW846 8082	10A3604
PCB-1242	ND		mg/kg	0.0544	0.129	4	01/28/10 19:58	SW846 8082	10A3604
PCB-1248	ND		mg/kg	0.0427	0.129	4	01/28/10 19:58	SW846 8082	10A3604
PCB-1254	ND		mg/kg	0.0738	0.129	4	01/28/10 19:58	SW846 8082	10A3604
PCB-1260	ND		mg/kg	0.0544	0.129	4	01/28/10 19:58	SW846 8082	10A3604
<i>Surr: Tetrachloro-meta-xylene (19-147%)</i>	<i>96 %</i>					<i>4</i>	<i>01/28/10 19:58</i>	<i>SW846 8082</i>	<i>10A3604</i>
<i>Surr: Decachlorobiphenyl (20-150%)</i>	<i>88 %</i>					<i>4</i>	<i>01/28/10 19:58</i>	<i>SW846 8082</i>	<i>10A3604</i>
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthylene	ND	RL1	mg/kg	46.0	495	5	01/31/10 14:51	SW846 8270C	10A3606
Acetophenone	ND	RL1	mg/kg	52.0	495	5	01/31/10 14:51	SW846 8270C	10A3606
Anthracene	ND	RL1	mg/kg	49.0	495	5	01/31/10 14:51	SW846 8270C	10A3606
Atrazine	ND	RL1	mg/kg	108	495	5	01/31/10 14:51	SW846 8270C	10A3606
Benzaldehyde	ND	L2, RL1	mg/kg	441	2480	5	01/31/10 14:51	SW846 8270C	10A3606
Benzo (a) anthracene	ND	RL1	mg/kg	56.4	495	5	01/31/10 14:51	SW846 8270C	10A3606
Benzo (b) fluoranthene	ND	RL1	mg/kg	44.6	495	5	01/31/10 14:51	SW846 8270C	10A3606
Benzo (a) pyrene	ND	RL1	mg/kg	44.6	495	5	01/31/10 14:51	SW846 8270C	10A3606
Benzo (g,h,i) perylene	ND	RL1	mg/kg	44.6	495	5	01/31/10 14:51	SW846 8270C	10A3606
Benzoic acid	ND	RL1	mg/kg	576	2480	5	01/31/10 14:51	SW846 8270C	10A3606
Benzo (k) fluoranthene	ND	RL1	mg/kg	44.6	495	5	01/31/10 14:51	SW846 8270C	10A3606
Biphenyl	ND	RL1	mg/kg	154	495	5	01/31/10 14:51	SW846 8270C	10A3606
4-Bromophenyl phenyl ether	ND	RL1	mg/kg	141	495	5	01/31/10 14:51	SW846 8270C	10A3606
Butyl benzyl phthalate	ND	RL1	mg/kg	132	495	5	01/31/10 14:51	SW846 8270C	10A3606
4-Chloro-3-methylphenol	ND	RL1	mg/kg	153	495	5	01/31/10 14:51	SW846 8270C	10A3606
4-Chloroaniline	ND	RL1	mg/kg	362	495	5	01/31/10 14:51	SW846 8270C	10A3606
Caprolactam	ND	RL1	mg/kg	151	495	5	01/31/10 14:51	SW846 8270C	10A3606
Carbazole	ND	RL1	mg/kg	165	495	5	01/31/10 14:51	SW846 8270C	10A3606
2-Chloronaphthalene	ND	RL1	mg/kg	101	495	5	01/31/10 14:51	SW846 8270C	10A3606
Bis(2-chloroethoxy)methane	ND	RL1	mg/kg	163	495	5	01/31/10 14:51	SW846 8270C	10A3606
Bis(2-chloroethyl)ether	ND	RL1	mg/kg	200	495	5	01/31/10 14:51	SW846 8270C	10A3606
Bis(2-chloroisopropyl)ether	ND	RL1	mg/kg	151	495	5	01/31/10 14:51	SW846 8270C	10A3606
2-Chlorophenol	ND	RL1	mg/kg	162	495	5	01/31/10 14:51	SW846 8270C	10A3606
4-Chlorophenyl phenyl ether	ND	RL1	mg/kg	165	495	5	01/31/10 14:51	SW846 8270C	10A3606
Chrysene	ND	RL1	mg/kg	59.4	495	5	01/31/10 14:51	SW846 8270C	10A3606
Dibenz (a,h) anthracene	ND	RL1	mg/kg	46.0	495	5	01/31/10 14:51	SW846 8270C	10A3606
Dibenzofuran	ND	RL1	mg/kg	132	495	5	01/31/10 14:51	SW846 8270C	10A3606
Di-n-butyl phthalate	ND	RL1	mg/kg	128	495	5	01/31/10 14:51	SW846 8270C	10A3606
3,3-Dichlorobenzidine	ND	RL1	mg/kg	373	991	5	01/31/10 14:51	SW846 8270C	10A3606
2,4-Dichlorophenol	ND	RL1	mg/kg	129	495	5	01/31/10 14:51	SW846 8270C	10A3606
Diethyl phthalate	ND	RL1	mg/kg	74.3	495	5	01/31/10 14:51	SW846 8270C	10A3606
2,4-Dimethylphenol	ND	RL1	mg/kg	417	495	5	01/31/10 14:51	SW846 8270C	10A3606
Dimethyl phthalate	ND	RL1	mg/kg	131	495	5	01/31/10 14:51	SW846 8270C	10A3606
4,6-Dinitro-2-methylphenol	ND	RL1	mg/kg	171	1240	5	01/31/10 14:51	SW846 8270C	10A3606
2,4-Dinitrophenol	ND	RL1	mg/kg	200	1240	5	01/31/10 14:51	SW846 8270C	10A3606
2,6-Dinitrotoluene	ND	RL1	mg/kg	96.5	495	5	01/31/10 14:51	SW846 8270C	10A3606
2,4-Dinitrotoluene	ND	RL1	mg/kg	131	495	5	01/31/10 14:51	SW846 8270C	10A3606

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-02 (LF-DW-02 - Oil) - cont. Sampled: 01/21/10 14:30</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Di-n-octyl phthalate	ND	RL1	mg/kg	92.1	495	5	01/31/10 14:51	SW846 8270C	10A3606
Bis(2-ethylhexyl)phthalate	ND	RL1	mg/kg	165	495	5	01/31/10 14:51	SW846 8270C	10A3606
Fluoranthene	ND	RL1	mg/kg	50.5	495	5	01/31/10 14:51	SW846 8270C	10A3606
Fluorene	ND	RL1	mg/kg	53.5	495	5	01/31/10 14:51	SW846 8270C	10A3606
Hexachlorobenzene	ND	RL1	mg/kg	123	495	5	01/31/10 14:51	SW846 8270C	10A3606
Hexachlorobutadiene	ND	RL1	mg/kg	160	495	5	01/31/10 14:51	SW846 8270C	10A3606
Hexachlorocyclopentadiene	ND	RL1	mg/kg	165	495	5	01/31/10 14:51	SW846 8270C	10A3606
Hexachloroethane	ND	RL1	mg/kg	156	495	5	01/31/10 14:51	SW846 8270C	10A3606
Indeno (1,2,3-cd) pyrene	ND	RL1	mg/kg	46.0	495	5	01/31/10 14:51	SW846 8270C	10A3606
Isophorone	ND	RL1	mg/kg	101	495	5	01/31/10 14:51	SW846 8270C	10A3606
2-Methylnaphthalene	ND	RL1	mg/kg	49.0	495	5	01/31/10 14:51	SW846 8270C	10A3606
2-Methylphenol	ND	RL1	mg/kg	199	495	5	01/31/10 14:51	SW846 8270C	10A3606
3/4-Methylphenol	ND	RL1	mg/kg	230	495	5	01/31/10 14:51	SW846 8270C	10A3606
Naphthalene	ND	RL1	mg/kg	60.9	495	5	01/31/10 14:51	SW846 8270C	10A3606
2-Nitroaniline	ND	RL1	mg/kg	165	1240	5	01/31/10 14:51	SW846 8270C	10A3606
3-Nitroaniline	ND	RL1	mg/kg	405	1240	5	01/31/10 14:51	SW846 8270C	10A3606
4-Nitroaniline	ND	RL1	mg/kg	374	1240	5	01/31/10 14:51	SW846 8270C	10A3606
Nitrobenzene	ND	RL1	mg/kg	157	495	5	01/31/10 14:51	SW846 8270C	10A3606
2-Nitrophenol	ND	RL1	mg/kg	293	495	5	01/31/10 14:51	SW846 8270C	10A3606
4-Nitrophenol	ND	RL1	mg/kg	410	1240	5	01/31/10 14:51	SW846 8270C	10A3606
N-Nitrosodiphenylamine	ND	RL1	mg/kg	162	495	5	01/31/10 14:51	SW846 8270C	10A3606
N-Nitrosodi-n-propylamine	ND	RL1	mg/kg	181	495	5	01/31/10 14:51	SW846 8270C	10A3606
Pentachlorophenol	ND	RL1	mg/kg	116	1240	5	01/31/10 14:51	SW846 8270C	10A3606
Phenanthrene	ND	RL1	mg/kg	50.5	495	5	01/31/10 14:51	SW846 8270C	10A3606
Phenol	ND	RL1	mg/kg	92.1	495	5	01/31/10 14:51	SW846 8270C	10A3606
Pyrene	ND	RL1	mg/kg	60.9	495	5	01/31/10 14:51	SW846 8270C	10A3606
1,2,4,5-Tetrachlorobenzene	ND	RL1	mg/kg	68.3	2480	5	01/31/10 14:51	SW846 8270C	10A3606
2,3,4,6-Tetrachlorophenol	ND	RL1	mg/kg	55.0	495	5	01/31/10 14:51	SW846 8270C	10A3606
2,4,5-Trichlorophenol	ND	RL1	mg/kg	108	1240	5	01/31/10 14:51	SW846 8270C	10A3606
2,4,6-Trichlorophenol	ND	RL1	mg/kg	129	495	5	01/31/10 14:51	SW846 8270C	10A3606
<i>Surr: Phenol-d5 (18-120%)</i>	<i>26 %</i>					<i>5</i>	<i>01/31/10 14:51</i>	<i>SW846 8270C</i>	<i>10A3606</i>
<i>Surr: 2-Fluorobiphenyl (14-120%)</i>	<i>92 %</i>					<i>5</i>	<i>01/31/10 14:51</i>	<i>SW846 8270C</i>	<i>10A3606</i>
<i>Surr: Nitrobenzene-d5 (17-120%)</i>	<i>63 %</i>					<i>5</i>	<i>01/31/10 14:51</i>	<i>SW846 8270C</i>	<i>10A3606</i>
<i>Surr: Terphenyl-d14 (18-120%)</i>	<i>87 %</i>					<i>5</i>	<i>01/31/10 14:51</i>	<i>SW846 8270C</i>	<i>10A3606</i>
<i>Surr: 2,4,6-Tribromophenol (19-120%)</i>	<i>92 %</i>					<i>5</i>	<i>01/31/10 14:51</i>	<i>SW846 8270C</i>	<i>10A3606</i>

Client Tetra Tech EMI (7797)  
 1955 Evergreen Blvd., Building 200, Suite 300  
 Duluth, GA 30096  
 Attn Jessica Vickers

Work Order: NTA1808  
 Project Name: Liberty Fibers  
 Project Number: Lowland, TN  
 Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-03 (LF-DW-03 - Oil) Sampled: 01/22/10 09:50</b>									
General Chemistry Parameters									
BTU Content	472		BTU/Lb	100	200	1	02/05/10 06:00	ASTM D240	10B0190
Flashpoint	>200		Deg F		NA	1	02/03/10 15:00	SW846 1010	10B0193



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-03 (LF-DW-03 - Oil) - cont. Sampled: 01/22/10 09:50</b>									
Polychlorinated Biphenyls in Oil by EPA Method 8082									
PCB-1016	ND		mg/kg	0.0745	0.131	4	01/28/10 20:18	SW846 8082	10A3604
PCB-1221	ND		mg/kg	0.0431	0.131	4	01/28/10 20:18	SW846 8082	10A3604
PCB-1232	ND		mg/kg	0.0784	0.131	4	01/28/10 20:18	SW846 8082	10A3604
PCB-1242	ND		mg/kg	0.0549	0.131	4	01/28/10 20:18	SW846 8082	10A3604
PCB-1248	ND		mg/kg	0.0431	0.131	4	01/28/10 20:18	SW846 8082	10A3604
PCB-1254	ND		mg/kg	0.0745	0.131	4	01/28/10 20:18	SW846 8082	10A3604
PCB-1260	ND		mg/kg	0.0549	0.131	4	01/28/10 20:18	SW846 8082	10A3604
<i>Surr: Tetrachloro-meta-xylene (19-147%)</i>	<i>64 %</i>					<i>4</i>	<i>01/28/10 20:18</i>	<i>SW846 8082</i>	<i>10A3604</i>
<i>Surr: Decachlorobiphenyl (20-150%)</i>	<i>96 %</i>					<i>4</i>	<i>01/28/10 20:18</i>	<i>SW846 8082</i>	<i>10A3604</i>
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND	RL1	mg/kg	47.5	495	5	01/28/10 16:27	SW846 8270C	10A3606
Acenaphthylene	ND	RL1	mg/kg	46.0	495	5	01/28/10 16:27	SW846 8270C	10A3606
Acetophenone	ND	RL1	mg/kg	52.0	495	5	01/28/10 16:27	SW846 8270C	10A3606
Anthracene	ND	RL1	mg/kg	49.0	495	5	01/28/10 16:27	SW846 8270C	10A3606
Atrazine	ND	RL1	mg/kg	108	495	5	01/28/10 16:27	SW846 8270C	10A3606
Benzaldehyde	ND	L2, RL1	mg/kg	441	2480	5	01/28/10 16:27	SW846 8270C	10A3606
Benzo (a) anthracene	ND	RL1	mg/kg	56.4	495	5	01/28/10 16:27	SW846 8270C	10A3606
Benzo (b) fluoranthene	ND	RL1	mg/kg	44.6	495	5	01/28/10 16:27	SW846 8270C	10A3606
Benzo (a) pyrene	ND	RL1	mg/kg	44.6	495	5	01/28/10 16:27	SW846 8270C	10A3606
Benzo (g,h,i) perylene	ND	RL1	mg/kg	44.6	495	5	01/28/10 16:27	SW846 8270C	10A3606
Benzoic acid	ND	RL1	mg/kg	576	2480	5	01/28/10 16:27	SW846 8270C	10A3606
Benzo (k) fluoranthene	ND	RL1	mg/kg	44.6	495	5	01/28/10 16:27	SW846 8270C	10A3606
Biphenyl	ND	RL1	mg/kg	154	495	5	01/28/10 16:27	SW846 8270C	10A3606
4-Bromophenyl phenyl ether	ND	RL1	mg/kg	141	495	5	01/28/10 16:27	SW846 8270C	10A3606
Butyl benzyl phthalate	ND	RL1	mg/kg	132	495	5	01/28/10 16:27	SW846 8270C	10A3606
4-Chloro-3-methylphenol	ND	RL1	mg/kg	153	495	5	01/28/10 16:27	SW846 8270C	10A3606
4-Chloroaniline	ND	RL1	mg/kg	362	495	5	01/28/10 16:27	SW846 8270C	10A3606
Caprolactam	ND	RL1	mg/kg	151	495	5	01/28/10 16:27	SW846 8270C	10A3606
Carbazole	ND	RL1	mg/kg	165	495	5	01/28/10 16:27	SW846 8270C	10A3606
2-Chloronaphthalene	ND	RL1	mg/kg	101	495	5	01/28/10 16:27	SW846 8270C	10A3606
Bis(2-chloroethoxy)methane	ND	RL1	mg/kg	163	495	5	01/28/10 16:27	SW846 8270C	10A3606
Bis(2-chloroethyl)ether	ND	RL1	mg/kg	200	495	5	01/28/10 16:27	SW846 8270C	10A3606
Bis(2-chloroisopropyl)ether	ND	RL1	mg/kg	151	495	5	01/28/10 16:27	SW846 8270C	10A3606
2-Chlorophenol	ND	RL1	mg/kg	162	495	5	01/28/10 16:27	SW846 8270C	10A3606
4-Chlorophenyl phenyl ether	ND	RL1	mg/kg	165	495	5	01/28/10 16:27	SW846 8270C	10A3606
Chrysene	ND	RL1	mg/kg	59.4	495	5	01/28/10 16:27	SW846 8270C	10A3606
Dibenz (a,h) anthracene	ND	RL1	mg/kg	46.0	495	5	01/28/10 16:27	SW846 8270C	10A3606
Dibenzofuran	ND	RL1	mg/kg	132	495	5	01/28/10 16:27	SW846 8270C	10A3606
Di-n-butyl phthalate	ND	RL1	mg/kg	128	495	5	01/28/10 16:27	SW846 8270C	10A3606
3,3-Dichlorobenzidine	ND	RL1	mg/kg	373	991	5	01/28/10 16:27	SW846 8270C	10A3606
2,4-Dichlorophenol	ND	RL1	mg/kg	129	495	5	01/28/10 16:27	SW846 8270C	10A3606
Diethyl phthalate	ND	RL1	mg/kg	74.3	495	5	01/28/10 16:27	SW846 8270C	10A3606
2,4-Dimethylphenol	ND	RL1	mg/kg	417	495	5	01/28/10 16:27	SW846 8270C	10A3606
Dimethyl phthalate	ND	RL1	mg/kg	131	495	5	01/28/10 16:27	SW846 8270C	10A3606
4,6-Dinitro-2-methylphenol	ND	RL1	mg/kg	171	1240	5	01/28/10 16:27	SW846 8270C	10A3606
2,4-Dinitrophenol	ND	RL1	mg/kg	200	1240	5	01/28/10 16:27	SW846 8270C	10A3606
2,6-Dinitrotoluene	ND	RL1	mg/kg	96.5	495	5	01/28/10 16:27	SW846 8270C	10A3606

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-03 (LF-DW-03 - Oil) - cont. Sampled: 01/22/10 09:50</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
2,4-Dinitrotoluene	ND	RL1	mg/kg	131	495	5	01/28/10 16:27	SW846 8270C	10A3606
Di-n-octyl phthalate	ND	RL1	mg/kg	92.1	495	5	01/28/10 16:27	SW846 8270C	10A3606
Bis(2-ethylhexyl)phthalate	ND	RL1	mg/kg	165	495	5	01/28/10 16:27	SW846 8270C	10A3606
Fluoranthene	ND	RL1	mg/kg	50.5	495	5	01/28/10 16:27	SW846 8270C	10A3606
Fluorene	ND	RL1	mg/kg	53.5	495	5	01/28/10 16:27	SW846 8270C	10A3606
Hexachlorobenzene	ND	RL1	mg/kg	123	495	5	01/28/10 16:27	SW846 8270C	10A3606
Hexachlorobutadiene	ND	RL1	mg/kg	160	495	5	01/28/10 16:27	SW846 8270C	10A3606
Hexachlorocyclopentadiene	ND	RL1	mg/kg	165	495	5	01/28/10 16:27	SW846 8270C	10A3606
Hexachloroethane	ND	RL1	mg/kg	156	495	5	01/28/10 16:27	SW846 8270C	10A3606
Indeno (1,2,3-cd) pyrene	ND	RL1	mg/kg	46.0	495	5	01/28/10 16:27	SW846 8270C	10A3606
Isophorone	ND	RL1	mg/kg	101	495	5	01/28/10 16:27	SW846 8270C	10A3606
2-Methylnaphthalene	91.1	J, RL1	mg/kg	49.0	495	5	01/28/10 16:27	SW846 8270C	10A3606
2-Methylphenol	ND	RL1	mg/kg	199	495	5	01/28/10 16:27	SW846 8270C	10A3606
3/4-Methylphenol	ND	RL1	mg/kg	230	495	5	01/28/10 16:27	SW846 8270C	10A3606
Naphthalene	ND	RL1	mg/kg	60.9	495	5	01/28/10 16:27	SW846 8270C	10A3606
2-Nitroaniline	ND	RL1	mg/kg	165	1240	5	01/28/10 16:27	SW846 8270C	10A3606
3-Nitroaniline	ND	RL1	mg/kg	405	1240	5	01/28/10 16:27	SW846 8270C	10A3606
4-Nitroaniline	ND	RL1	mg/kg	374	1240	5	01/28/10 16:27	SW846 8270C	10A3606
Nitrobenzene	ND	RL1	mg/kg	157	495	5	01/28/10 16:27	SW846 8270C	10A3606
2-Nitrophenol	ND	RL1	mg/kg	293	495	5	01/28/10 16:27	SW846 8270C	10A3606
4-Nitrophenol	ND	RL1	mg/kg	410	1240	5	01/28/10 16:27	SW846 8270C	10A3606
N-Nitrosodiphenylamine	ND	RL1	mg/kg	162	495	5	01/28/10 16:27	SW846 8270C	10A3606
N-Nitrosodi-n-propylamine	ND	RL1	mg/kg	181	495	5	01/28/10 16:27	SW846 8270C	10A3606
Pentachlorophenol	ND	RL1	mg/kg	116	1240	5	01/28/10 16:27	SW846 8270C	10A3606
Phenanthrene	ND	RL1	mg/kg	50.5	495	5	01/28/10 16:27	SW846 8270C	10A3606
Phenol	ND	RL1	mg/kg	92.1	495	5	01/28/10 16:27	SW846 8270C	10A3606
Pyrene	ND	RL1	mg/kg	60.9	495	5	01/28/10 16:27	SW846 8270C	10A3606
1,2,4,5-Tetrachlorobenzene	ND	RL1	mg/kg	68.3	2480	5	01/28/10 16:27	SW846 8270C	10A3606
2,3,4,6-Tetrachlorophenol	ND	RL1	mg/kg	55.0	495	5	01/28/10 16:27	SW846 8270C	10A3606
2,4,5-Trichlorophenol	ND	RL1	mg/kg	108	1240	5	01/28/10 16:27	SW846 8270C	10A3606
2,4,6-Trichlorophenol	ND	RL1	mg/kg	129	495	5	01/28/10 16:27	SW846 8270C	10A3606
Surr: Phenol-d5 (18-120%)	80 %					5	01/28/10 16:27	SW846 8270C	10A3606
Surr: 2-Fluorobiphenyl (14-120%)	106 %					5	01/28/10 16:27	SW846 8270C	10A3606
Surr: Nitrobenzene-d5 (17-120%)	82 %					5	01/28/10 16:27	SW846 8270C	10A3606
Surr: Terphenyl-d14 (18-120%)	95 %					5	01/28/10 16:27	SW846 8270C	10A3606
Surr: 2,4,6-Tribromophenol (19-120%)	105 %					5	01/28/10 16:27	SW846 8270C	10A3606

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTA1808-04 (LF-TW-01 - Oil) Sampled: 01/21/10 14:39									
General Chemistry Parameters									
BTU Content	13900		BTU/Lb	100	200	1	02/05/10 06:00	ASTM D240	10B0190
Flashpoint	>200		Deg F		NA	1	02/03/10 15:00	SW846 1010	10B0193

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-04 (LF-TW-01 - Oil) - cont. Sampled: 01/21/10 14:39</b>									
Polychlorinated Biphenyls in Oil by EPA Method 8082									
PCB-1016	ND		mg/kg	0.0738	0.129	4	01/28/10 20:38	SW846 8082	10A3604
PCB-1221	ND		mg/kg	0.0427	0.129	4	01/28/10 20:38	SW846 8082	10A3604
PCB-1232	ND		mg/kg	0.0777	0.129	4	01/28/10 20:38	SW846 8082	10A3604
PCB-1242	ND		mg/kg	0.0544	0.129	4	01/28/10 20:38	SW846 8082	10A3604
PCB-1248	ND		mg/kg	0.0427	0.129	4	01/28/10 20:38	SW846 8082	10A3604
PCB-1254	ND		mg/kg	0.0738	0.129	4	01/28/10 20:38	SW846 8082	10A3604
PCB-1260	ND		mg/kg	0.0544	0.129	4	01/28/10 20:38	SW846 8082	10A3604
<i>Surr: Tetrachloro-meta-xylene (19-147%)</i>	<i>88 %</i>					<i>4</i>	<i>01/28/10 20:38</i>	<i>SW846 8082</i>	<i>10A3604</i>
<i>Surr: Decachlorobiphenyl (20-150%)</i>	<i>80 %</i>					<i>4</i>	<i>01/28/10 20:38</i>	<i>SW846 8082</i>	<i>10A3604</i>
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND	RL1	mg/kg	48.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Acenaphthylene	ND	RL1	mg/kg	46.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
Acetophenone	ND	RL1	mg/kg	52.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
Anthracene	ND	RL1	mg/kg	49.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
Atrazine	ND	RL1	mg/kg	110	500	5	01/28/10 16:48	SW846 8270C	10A3606
Benzaldehyde	ND	L2, RL1	mg/kg	446	2500	5	01/28/10 16:48	SW846 8270C	10A3606
Benzo (a) anthracene	ND	RL1	mg/kg	57.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Benzo (b) fluoranthene	ND	RL1	mg/kg	45.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Benzo (a) pyrene	ND	RL1	mg/kg	45.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Benzo (g,h,i) perylene	ND	RL1	mg/kg	45.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Benzoic acid	ND	RL1	mg/kg	582	2500	5	01/28/10 16:48	SW846 8270C	10A3606
Benzo (k) fluoranthene	ND	RL1	mg/kg	45.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Biphenyl	ND	RL1	mg/kg	156	500	5	01/28/10 16:48	SW846 8270C	10A3606
4-Bromophenyl phenyl ether	ND	RL1	mg/kg	142	500	5	01/28/10 16:48	SW846 8270C	10A3606
Butyl benzyl phthalate	ND	RL1	mg/kg	134	500	5	01/28/10 16:48	SW846 8270C	10A3606
4-Chloro-3-methylphenol	ND	RL1	mg/kg	154	500	5	01/28/10 16:48	SW846 8270C	10A3606
4-Chloroaniline	ND	RL1	mg/kg	366	500	5	01/28/10 16:48	SW846 8270C	10A3606
Caprolactam	ND	RL1	mg/kg	153	500	5	01/28/10 16:48	SW846 8270C	10A3606
Carbazole	ND	RL1	mg/kg	166	500	5	01/28/10 16:48	SW846 8270C	10A3606
2-Chloronaphthalene	ND	RL1	mg/kg	102	500	5	01/28/10 16:48	SW846 8270C	10A3606
Bis(2-chloroethoxy)methane	ND	RL1	mg/kg	165	500	5	01/28/10 16:48	SW846 8270C	10A3606
Bis(2-chloroethyl)ether	ND	RL1	mg/kg	202	500	5	01/28/10 16:48	SW846 8270C	10A3606
Bis(2-chloroisopropyl)ether	ND	RL1	mg/kg	153	500	5	01/28/10 16:48	SW846 8270C	10A3606
2-Chlorophenol	ND	RL1	mg/kg	164	500	5	01/28/10 16:48	SW846 8270C	10A3606
4-Chlorophenyl phenyl ether	ND	RL1	mg/kg	166	500	5	01/28/10 16:48	SW846 8270C	10A3606
Chrysene	ND	RL1	mg/kg	60.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Dibenz (a,h) anthracene	ND	RL1	mg/kg	46.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
Dibenzofuran	ND	RL1	mg/kg	134	500	5	01/28/10 16:48	SW846 8270C	10A3606
Di-n-butyl phthalate	ND	RL1	mg/kg	129	500	5	01/28/10 16:48	SW846 8270C	10A3606
3,3-Dichlorobenzidine	ND	RL1	mg/kg	376	1000	5	01/28/10 16:48	SW846 8270C	10A3606
2,4-Dichlorophenol	ND	RL1	mg/kg	130	500	5	01/28/10 16:48	SW846 8270C	10A3606
Diethyl phthalate	ND	RL1	mg/kg	75.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
2,4-Dimethylphenol	ND	RL1	mg/kg	422	500	5	01/28/10 16:48	SW846 8270C	10A3606
Dimethyl phthalate	ND	RL1	mg/kg	132	500	5	01/28/10 16:48	SW846 8270C	10A3606
4,6-Dinitro-2-methylphenol	ND	RL1	mg/kg	172	1250	5	01/28/10 16:48	SW846 8270C	10A3606
2,4-Dinitrophenol	ND	RL1	mg/kg	202	1250	5	01/28/10 16:48	SW846 8270C	10A3606
2,6-Dinitrotoluene	ND	RL1	mg/kg	97.5	500	5	01/28/10 16:48	SW846 8270C	10A3606



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-04 (LF-TW-01 - Oil) - cont. Sampled: 01/21/10 14:39</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
2,4-Dinitrotoluene	ND	RL1	mg/kg	132	500	5	01/28/10 16:48	SW846 8270C	10A3606
Di-n-octyl phthalate	ND	RL1	mg/kg	93.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Bis(2-ethylhexyl)phthalate	ND	RL1	mg/kg	166	500	5	01/28/10 16:48	SW846 8270C	10A3606
Fluoranthene	ND	RL1	mg/kg	51.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Fluorene	ND	RL1	mg/kg	54.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Hexachlorobenzene	ND	RL1	mg/kg	124	500	5	01/28/10 16:48	SW846 8270C	10A3606
Hexachlorobutadiene	ND	RL1	mg/kg	162	500	5	01/28/10 16:48	SW846 8270C	10A3606
Hexachlorocyclopentadiene	ND	RL1	mg/kg	166	500	5	01/28/10 16:48	SW846 8270C	10A3606
Hexachloroethane	ND	RL1	mg/kg	158	500	5	01/28/10 16:48	SW846 8270C	10A3606
Indeno (1,2,3-cd) pyrene	ND	RL1	mg/kg	46.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
Isophorone	ND	RL1	mg/kg	102	500	5	01/28/10 16:48	SW846 8270C	10A3606
2-Methylnaphthalene	ND	RL1	mg/kg	49.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
2-Methylphenol	ND	RL1	mg/kg	201	500	5	01/28/10 16:48	SW846 8270C	10A3606
3/4-Methylphenol	ND	RL1	mg/kg	232	500	5	01/28/10 16:48	SW846 8270C	10A3606
Naphthalene	ND	RL1	mg/kg	61.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
2-Nitroaniline	ND	RL1	mg/kg	166	1250	5	01/28/10 16:48	SW846 8270C	10A3606
3-Nitroaniline	ND	RL1	mg/kg	410	1250	5	01/28/10 16:48	SW846 8270C	10A3606
4-Nitroaniline	ND	RL1	mg/kg	378	1250	5	01/28/10 16:48	SW846 8270C	10A3606
Nitrobenzene	ND	RL1	mg/kg	159	500	5	01/28/10 16:48	SW846 8270C	10A3606
2-Nitrophenol	ND	RL1	mg/kg	296	500	5	01/28/10 16:48	SW846 8270C	10A3606
4-Nitrophenol	ND	RL1	mg/kg	414	1250	5	01/28/10 16:48	SW846 8270C	10A3606
N-Nitrosodiphenylamine	ND	RL1	mg/kg	164	500	5	01/28/10 16:48	SW846 8270C	10A3606
N-Nitrosodi-n-propylamine	ND	RL1	mg/kg	183	500	5	01/28/10 16:48	SW846 8270C	10A3606
Pentachlorophenol	ND	RL1	mg/kg	117	1250	5	01/28/10 16:48	SW846 8270C	10A3606
Phenanthrene	ND	RL1	mg/kg	51.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Phenol	ND	RL1	mg/kg	93.0	500	5	01/28/10 16:48	SW846 8270C	10A3606
Pyrene	ND	RL1	mg/kg	61.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
1,2,4,5-Tetrachlorobenzene	ND	RL1	mg/kg	69.0	2500	5	01/28/10 16:48	SW846 8270C	10A3606
2,3,4,6-Tetrachlorophenol	ND	RL1	mg/kg	55.5	500	5	01/28/10 16:48	SW846 8270C	10A3606
2,4,5-Trichlorophenol	ND	RL1	mg/kg	110	1250	5	01/28/10 16:48	SW846 8270C	10A3606
2,4,6-Trichlorophenol	ND	RL1	mg/kg	130	500	5	01/28/10 16:48	SW846 8270C	10A3606
<i>Surr: Phenol-d5 (18-120%)</i>	<i>126 %</i>	<i>Z3</i>				<i>5</i>	<i>01/28/10 16:48</i>	<i>SW846 8270C</i>	<i>10A3606</i>
<i>Surr: 2-Fluorobiphenyl (14-120%)</i>	<i>133 %</i>	<i>ZX</i>				<i>5</i>	<i>01/28/10 16:48</i>	<i>SW846 8270C</i>	<i>10A3606</i>
<i>Surr: Nitrobenzene-d5 (17-120%)</i>	<i>69 %</i>					<i>5</i>	<i>01/28/10 16:48</i>	<i>SW846 8270C</i>	<i>10A3606</i>
<i>Surr: Terphenyl-d14 (18-120%)</i>	<i>103 %</i>					<i>5</i>	<i>01/28/10 16:48</i>	<i>SW846 8270C</i>	<i>10A3606</i>
<i>Surr: 2,4,6-Tribromophenol (19-120%)</i>	<i>125 %</i>	<i>Z10</i>				<i>5</i>	<i>01/28/10 16:48</i>	<i>SW846 8270C</i>	<i>10A3606</i>

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1808-05 (LF-TW-02 - Oil) Sampled: 01/21/10 15:00</b>									
Polychlorinated Biphenyls in Oil by EPA Method 8082									
PCB-1016	ND		mg/kg	0.0752	0.132	4	01/28/10 20:59	SW846 8082	10A3604
PCB-1221	ND		mg/kg	0.0436	0.132	4	01/28/10 20:59	SW846 8082	10A3604
PCB-1232	ND		mg/kg	0.0792	0.132	4	01/28/10 20:59	SW846 8082	10A3604
PCB-1242	ND		mg/kg	0.0554	0.132	4	01/28/10 20:59	SW846 8082	10A3604
PCB-1248	ND		mg/kg	0.0436	0.132	4	01/28/10 20:59	SW846 8082	10A3604
PCB-1254	ND		mg/kg	0.0752	0.132	4	01/28/10 20:59	SW846 8082	10A3604
PCB-1260	<b>2.81</b>		mg/kg	0.0554	0.132	4	01/28/10 20:59	SW846 8082	10A3604
<i>Surr: Tetrachloro-meta-xylene (19-147%)</i>	<i>64 %</i>					<i>4</i>	<i>01/28/10 20:59</i>	<i>SW846 8082</i>	<i>10A3604</i>
<i>Surr: Decachlorobiphenyl (20-150%)</i>	<i>88 %</i>					<i>4</i>	<i>01/28/10 20:59</i>	<i>SW846 8082</i>	<i>10A3604</i>

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

[illegible]

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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#### General Chemistry Parameters

##### 10A4039-BLK1

Sulfide	9.00	J	mg/kg	10A4039	10A4039-BLK1	01/31/10 23:00
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##### 10B0190-BLK1

BTU Content	<100		BTU/Lb	10B0190	10B0190-BLK1	02/05/10 06:00
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##### 10B0193-BLK1

Flashpoint	>200		Deg F	10B0193	10B0193-BLK1	02/03/10 15:00
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##### 10B4069-BLK1

Chloride	4.34	J	mg/kg	10B4069	10B4069-BLK1	02/25/10 04:47
Sulfate	8.07	J	mg/kg	10B4069	10B4069-BLK1	02/25/10 04:47
Nitrate as N	<0.200		mg/kg	10B4069	10B4069-BLK1	02/25/10 04:47
Nitrite as N	<0.200		mg/kg	10B4069	10B4069-BLK1	02/25/10 04:47

#### Total Metals by EPA Method 6010B

##### 10A3624-BLK1

Aluminum	<5.92		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Antimony	<0.485		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Arsenic	<0.680		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Barium	0.252	J	mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Beryllium	<0.0971		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Cadmium	<0.194		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Calcium	<4.56		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Chromium	<0.485		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Cobalt	<0.874		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Copper	<0.485		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Iron	<9.61		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Lead	0.388	J	mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Magnesium	<3.69		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Manganese	<0.485		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Nickel	<0.680		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Potassium	<49.5		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Selenium	<0.680		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Silver	<0.485		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Sodium	<158		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Thallium	<1.55		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Vanadium	<1.07		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Zinc	<0.777		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23

#### Mercury by EPA Methods 7470A/7471A

##### 10A3578-BLK1

Mercury	<0.0400		mg/kg	10A3578	10A3578-BLK1	02/03/10 09:20
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Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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### Mercury by EPA Methods 7470A/7471A

### Polychlorinated Biphenyls in Oil by EPA Method 8082

#### 10A3604-BLK1

PCB-1016	<0.0190		mg/kg	10A3604	10A3604-BLK1	01/28/10 13:31
PCB-1221	<0.0110		mg/kg	10A3604	10A3604-BLK1	01/28/10 13:31
PCB-1232	<0.0200		mg/kg	10A3604	10A3604-BLK1	01/28/10 13:31
PCB-1242	<0.0140		mg/kg	10A3604	10A3604-BLK1	01/28/10 13:31
PCB-1248	<0.0110		mg/kg	10A3604	10A3604-BLK1	01/28/10 13:31
PCB-1254	<0.0190		mg/kg	10A3604	10A3604-BLK1	01/28/10 13:31
PCB-1260	<0.0140		mg/kg	10A3604	10A3604-BLK1	01/28/10 13:31
Surrogate: Tetrachloro-meta-xylene	112%			10A3604	10A3604-BLK1	01/28/10 13:31
Surrogate: Decachlorobiphenyl	98%			10A3604	10A3604-BLK1	01/28/10 13:31

### Semivolatile Organic Compounds by EPA Method 8270C

#### 10A3606-BLK1

Acenaphthene	<0.0320		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Acenaphthylene	<0.0310		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Acetophenone	<0.0350		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Anthracene	<0.0330		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Atrazine	<0.0730		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Benzaldehyde	<0.297		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Benzo (a) anthracene	<0.0380		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Benzo (b) fluoranthene	<0.0300		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Benzo (a) pyrene	<0.0300		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Benzo (g,h,i) perylene	<0.0300		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Benzoic acid	<0.388		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Benzo (k) fluoranthene	<0.0300		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Biphenyl	<0.104		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
4-Bromophenyl phenyl ether	<0.0950		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Butyl benzyl phthalate	<0.0890		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
4-Chloro-3-methylphenol	<0.103		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
4-Chloroaniline	<0.244		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Caprolactam	<0.102		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Carbazole	<0.111		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
2-Chloronaphthalene	<0.0680		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Bis(2-chloroethoxy)methane	<0.110		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Bis(2-chloroethyl)ether	<0.135		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Bis(2-chloroisopropyl)ether	<0.102		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
2-Chlorophenol	<0.109		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
4-Chlorophenyl phenyl ether	<0.111		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Chrysene	<0.0400		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Dibenz (a,h) anthracene	<0.0310		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03

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Received: 01/26/10 08:00

**PROJECT QUALITY CONTROL DATA**  
**Blank - Cont.**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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**Semivolatile Organic Compounds by EPA Method 8270C**

**10A3606-BLK1**

Dibenzofuran	<0.0890		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Di-n-butyl phthalate	<0.0860		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
3,3-Dichlorobenzidine	<0.251		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
2,4-Dichlorophenol	<0.0870		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Diethyl phthalate	<0.0500		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
2,4-Dimethylphenol	<0.281		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Dimethyl phthalate	<0.0880		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
4,6-Dinitro-2-methylphenol	<0.115		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
2,4-Dinitrophenol	<0.135		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
2,6-Dinitrotoluene	<0.0650		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
2,4-Dinitrotoluene	<0.0880		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Di-n-octyl phthalate	<0.0620		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Bis(2-ethylhexyl)phthalate	<0.111		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Fluoranthene	<0.0340		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Fluorene	<0.0360		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Hexachlorobenzene	<0.0830		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Hexachlorobutadiene	<0.108		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Hexachlorocyclopentadiene	<0.111		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Hexachloroethane	<0.105		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Isophorone	<0.0680		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
2-Methylnaphthalene	<0.0330		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
2-Methylphenol	<0.134		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
3/4-Methylphenol	<0.155		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Naphthalene	<0.0410		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
2-Nitroaniline	<0.111		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
3-Nitroaniline	<0.273		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
4-Nitroaniline	<0.252		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Nitrobenzene	<0.106		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
2-Nitrophenol	<0.197		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
4-Nitrophenol	<0.276		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
N-Nitrosodi-n-butylamine	<0.0520		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
N-Nitrosodiethylamine	<0.0580		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
N-Nitrosodimethylamine	<0.166		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
N-Nitrosodiphenylamine	<0.109		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
N-Nitrosodi-n-propylamine	<0.122		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Pentachlorophenol	<0.0780		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Phenanthrene	<0.0340		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Phenol	<0.0620		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Pyrene	<0.0410		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
1,2,4,5-Tetrachlorobenzene	<0.0460		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03

Client Tetra Tech EMI (7797)  
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Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>						
<b>10A3606-BLK1</b>						
2,3,4,6-Tetrachlorophenol	<0.0370		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
2,4,5-Trichlorophenol	<0.0730		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
2,4,6-Trichlorophenol	<0.0870		mg/kg	10A3606	10A3606-BLK1	01/28/10 15:03
Surrogate: Phenol-d5	76%			10A3606	10A3606-BLK1	01/28/10 15:03
Surrogate: 2-Fluorobiphenyl	79%			10A3606	10A3606-BLK1	01/28/10 15:03
Surrogate: Nitrobenzene-d5	83%			10A3606	10A3606-BLK1	01/28/10 15:03
Surrogate: Terphenyl-d14	81%			10A3606	10A3606-BLK1	01/28/10 15:03
Surrogate: 2,4,6-Tribromophenol	76%			10A3606	10A3606-BLK1	01/28/10 15:03

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## PROJECT QUALITY CONTROL DATA

### Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
<b>General Chemistry Parameters</b>										
<b>10A3484-DUP1</b>										
pH	1.10	1.10		pH Units	0	200	10A3484	NTA1808-01		01/27/10 13:25
Temperature of pH determination	22.0	22.0		Deg C	0	200	10A3484	NTA1808-01		01/27/10 13:25
<b>10A4039-DUP1</b>										
Sulfide	204	198	B	mg/kg	3	12	10A4039	NTA1962-02		01/31/10 23:00
<b>10B0190-DUP1</b>										
BTU Content	529	445	R2	BTU/Lb	17	10	10B0190	NTA1980-01		02/05/10 06:00
<b>10B0193-DUP1</b>										
Flashpoint	0.00	>200		Deg F		200	10B0193	NTA1980-01		02/03/10 15:00
<b>10B4069-DUP1</b>										
Chloride	613	3680	B, E	mg/kg	143	20	10B4069	NTA1808-01RE2		02/25/10 07:17
Sulfate	ND	<40.0		mg/kg		20	10B4069	NTA1808-01RE2		02/25/10 07:17
Nitrate as N	ND	<4.00		mg/kg		20	10B4069	NTA1808-01RE2		02/25/10 07:17
Nitrite as N	ND	<4.00		mg/kg		20	10B4069	NTA1808-01RE2		02/25/10 07:17



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## PROJECT QUALITY CONTROL DATA

### LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>General Chemistry Parameters</b>								
<b>10A3484-BS1</b>								
pH	7.00	7.05		pH Units	101%	0 - 200	10A3484	01/27/10 13:25
<b>10A4039-BS1</b>								
Sulfide	200	199	B	mg/kg	100%	80 - 120	10A4039	01/31/10 23:00
<b>10B0190-BS1</b>								
BTU Content	11400	10500		BTU/Lb	92%	90 - 110	10B0190	02/05/10 06:00
<b>10B0193-BS1</b>								
<b>10B4069-BS1</b>								
Chloride	30.0	28.3	B	mg/kg	94%	90 - 110	10B4069	02/25/10 05:06
Sulfate	150	160	B	mg/kg	107%	90 - 110	10B4069	02/25/10 05:06
Nitrate as N	30.0	29.0		mg/kg	97%	90 - 110	10B4069	02/25/10 05:06
Nitrite as N	30.0	29.7		mg/kg	99%	90 - 110	10B4069	02/25/10 05:06
<b>Total Metals by EPA Method 6010B</b>								
<b>10A3624-BS1</b>								
Aluminum	800	761	M4	mg/kg	95%	80 - 120	10A3624	01/29/10 11:37
Antimony	40.0	38.5		mg/kg	96%	80 - 120	10A3624	01/29/10 11:37
Arsenic	20.0	19.6		mg/kg	98%	80 - 120	10A3624	01/29/10 11:37
Barium	800	807	B	mg/kg	101%	80 - 120	10A3624	01/29/10 11:37
Beryllium	20.0	19.1		mg/kg	95%	80 - 120	10A3624	01/29/10 11:37
Cadmium	20.0	19.5		mg/kg	98%	80 - 120	10A3624	01/29/10 11:37
Calcium	2000	1950	M4	mg/kg	97%	80 - 120	10A3624	01/29/10 11:37
Chromium	80.0	80.4		mg/kg	100%	80 - 120	10A3624	01/29/10 11:37
Cobalt	200	202		mg/kg	101%	80 - 120	10A3624	01/29/10 11:37
Copper	100	101		mg/kg	101%	80 - 120	10A3624	01/29/10 11:37
Iron	400	404	M4	mg/kg	101%	80 - 120	10A3624	01/29/10 11:37
Lead	20.0	19.5	B	mg/kg	97%	80 - 120	10A3624	01/29/10 11:37
Magnesium	2000	1950		mg/kg	97%	80 - 120	10A3624	01/29/10 11:37
Manganese	200	202		mg/kg	101%	80 - 120	10A3624	01/29/10 11:37
Nickel	200	200		mg/kg	100%	80 - 120	10A3624	01/29/10 11:37
Potassium	2000	1960		mg/kg	98%	80 - 120	10A3624	01/29/10 11:37
Selenium	20.0	19.8		mg/kg	99%	80 - 120	10A3624	01/29/10 11:37
Silver	20.0	19.2		mg/kg	96%	75 - 125	10A3624	01/29/10 11:37
Sodium	2000	1950		mg/kg	97%	80 - 120	10A3624	01/29/10 11:37
Thallium	20.0	18.1		mg/kg	90%	80 - 120	10A3624	01/29/10 11:37
Vanadium	200	198		mg/kg	99%	80 - 120	10A3624	01/29/10 11:37
Zinc	200	198		mg/kg	99%	80 - 120	10A3624	01/29/10 11:37

### Mercury by EPA Methods 7470A/7471A

Client Tetra Tech EMI (7797)  
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## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Mercury by EPA Methods 7470A/7471A</b>								
<b>10A3578-BS1</b>								
Mercury	0.167	0.156		mg/kg	94%	80 - 120	10A3578	02/03/10 09:22
<b>Polychlorinated Biphenyls in Oil by EPA Method 8082</b>								
<b>10A3604-BS1</b>								
PCB-1248	5.00	5.17		mg/kg	103%	44 - 139	10A3604	01/28/10 13:51
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.500	0.590			118%	19 - 147	10A3604	01/28/10 13:51
<i>Surrogate: Decachlorobiphenyl</i>	0.500	0.500			100%	20 - 150	10A3604	01/28/10 13:51
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>								
<b>10A3606-BS1</b>								
Acenaphthene	3.33	2.86	MNR1	mg/kg	86%	49 - 120	10A3606	01/28/10 15:24
Acenaphthylene	3.33	2.94	MNR1	mg/kg	88%	52 - 120	10A3606	01/28/10 15:24
Acetophenone	3.33	1.96	MNR1	mg/kg	59%	26 - 127	10A3606	01/28/10 15:24
Anthracene	3.33	3.25	MNR1	mg/kg	98%	58 - 120	10A3606	01/28/10 15:24
Benzo (a) anthracene	3.33	2.98	MNR1	mg/kg	89%	57 - 120	10A3606	01/28/10 15:24
Benzo (b) fluoranthene	3.33	3.33	MNR1	mg/kg	100%	51 - 123	10A3606	01/28/10 15:24
Benzo (a) pyrene	3.33	3.14	MNR1	mg/kg	94%	55 - 120	10A3606	01/28/10 15:24
Benzo (g,h,i) perylene	3.33	2.95	MNR1	mg/kg	88%	49 - 121	10A3606	01/28/10 15:24
Benzoic acid	3.33	1.44	J, MNR1	mg/kg	43%	10 - 150	10A3606	01/28/10 15:24
Benzo (k) fluoranthene	3.33	2.86	MNR1	mg/kg	86%	42 - 129	10A3606	01/28/10 15:24
4-Bromophenyl phenyl ether	3.33	2.80	MNR1	mg/kg	84%	49 - 120	10A3606	01/28/10 15:24
Butyl benzyl phthalate	3.33	2.74	MNR1	mg/kg	82%	59 - 124	10A3606	01/28/10 15:24
4-Chloro-3-methylphenol	3.33	2.39	MNR1	mg/kg	72%	49 - 120	10A3606	01/28/10 15:24
4-Chloroaniline	3.33	2.28	MNR1	mg/kg	69%	41 - 120	10A3606	01/28/10 15:24
Carbazole	3.33	3.08	MNR1	mg/kg	92%	54 - 120	10A3606	01/28/10 15:24
2-Chloronaphthalene	3.33	2.78	MNR1	mg/kg	84%	45 - 120	10A3606	01/28/10 15:24
Bis(2-chloroethoxy)methane	3.33	1.91	MNR1	mg/kg	57%	37 - 120	10A3606	01/28/10 15:24
Bis(2-chloroethyl)ether	3.33	2.18	MNR1	mg/kg	65%	29 - 120	10A3606	01/28/10 15:24
Bis(2-chloroisopropyl)ether	3.33	2.45	MNR1	mg/kg	74%	28 - 120	10A3606	01/28/10 15:24
2-Chlorophenol	3.33	2.85	MNR1	mg/kg	86%	42 - 120	10A3606	01/28/10 15:24
4-Chlorophenyl phenyl ether	3.33	3.18	MNR1	mg/kg	95%	52 - 120	10A3606	01/28/10 15:24
Chrysene	3.33	2.86	MNR1	mg/kg	86%	55 - 120	10A3606	01/28/10 15:24
Dibenz (a,h) anthracene	3.33	3.37	MNR1	mg/kg	101%	50 - 123	10A3606	01/28/10 15:24
Dibenzofuran	3.33	3.19	MNR1	mg/kg	96%	54 - 120	10A3606	01/28/10 15:24
Di-n-butyl phthalate	3.33	3.03	MNR1	mg/kg	91%	58 - 120	10A3606	01/28/10 15:24
3,3-Dichlorobenzidine	3.33	3.10	MNR1	mg/kg	93%	54 - 120	10A3606	01/28/10 15:24
2,4-Dichlorophenol	3.33	2.11	MNR1	mg/kg	63%	43 - 120	10A3606	01/28/10 15:24
Diethyl phthalate	3.33	3.13	MNR1	mg/kg	94%	52 - 120	10A3606	01/28/10 15:24
2,4-Dimethylphenol	3.33	2.61	MNR1	mg/kg	78%	47 - 120	10A3606	01/28/10 15:24
Dimethyl phthalate	3.33	3.08	MNR1	mg/kg	92%	55 - 120	10A3606	01/28/10 15:24
4,6-Dinitro-2-methylphenol	3.33	3.08	MNR1	mg/kg	92%	27 - 134	10A3606	01/28/10 15:24

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>								
<b>10A3606-BS1</b>								
2,4-Dinitrophenol	3.33	3.36	MNR1	mg/kg	101%	15 - 145	10A3606	01/28/10 15:24
2,6-Dinitrotoluene	3.33	3.02	MNR1	mg/kg	91%	56 - 120	10A3606	01/28/10 15:24
2,4-Dinitrotoluene	3.33	3.02	MNR1	mg/kg	91%	55 - 122	10A3606	01/28/10 15:24
Di-n-octyl phthalate	3.33	2.86	MNR1	mg/kg	86%	48 - 131	10A3606	01/28/10 15:24
Bis(2-ethylhexyl)phthalate	3.33	2.61	MNR1	mg/kg	78%	51 - 127	10A3606	01/28/10 15:24
Fluoranthene	3.33	3.20	MNR1	mg/kg	96%	58 - 120	10A3606	01/28/10 15:24
Fluorene	3.33	3.17	MNR1	mg/kg	95%	54 - 120	10A3606	01/28/10 15:24
Hexachlorobenzene	3.33	2.95	MNR1	mg/kg	89%	56 - 120	10A3606	01/28/10 15:24
Hexachlorobutadiene	3.33	2.40	MNR1	mg/kg	72%	19 - 120	10A3606	01/28/10 15:24
Hexachlorocyclopentadiene	3.33	2.43	MNR1	mg/kg	73%	11 - 120	10A3606	01/28/10 15:24
Hexachloroethane	3.33	2.66	MNR1	mg/kg	80%	14 - 120	10A3606	01/28/10 15:24
Indeno (1,2,3-cd) pyrene	3.33	3.29	MNR1	mg/kg	99%	50 - 122	10A3606	01/28/10 15:24
Isophorone	3.33	2.20	MNR1	mg/kg	66%	43 - 120	10A3606	01/28/10 15:24
2-Methylnaphthalene	3.33	2.24	MNR1	mg/kg	67%	36 - 120	10A3606	01/28/10 15:24
2-Methylphenol	3.33	3.05	MNR1	mg/kg	92%	47 - 120	10A3606	01/28/10 15:24
3/4-Methylphenol	3.33	2.87	MNR1	mg/kg	86%	53 - 135	10A3606	01/28/10 15:24
Naphthalene	3.33	2.15	MNR1	mg/kg	64%	28 - 120	10A3606	01/28/10 15:24
2-Nitroaniline	3.33	3.03	MNR1	mg/kg	91%	59 - 120	10A3606	01/28/10 15:24
3-Nitroaniline	3.33	3.19	MNR1	mg/kg	96%	54 - 120	10A3606	01/28/10 15:24
4-Nitroaniline	3.33	3.31	MNR1	mg/kg	99%	55 - 121	10A3606	01/28/10 15:24
Nitrobenzene	3.33	2.13	MNR1	mg/kg	64%	30 - 120	10A3606	01/28/10 15:24
2-Nitrophenol	3.33	2.12	MNR1	mg/kg	64%	36 - 120	10A3606	01/28/10 15:24
4-Nitrophenol	3.33	3.64	MNR1	mg/kg	109%	44 - 133	10A3606	01/28/10 15:24
N-Nitrosodimethylamine	3.33	2.58	MNR1	mg/kg	77%	10 - 150	10A3606	01/28/10 15:24
N-Nitrosodiphenylamine	3.33	3.48	MNR1	mg/kg	104%	56 - 120	10A3606	01/28/10 15:24
N-Nitrosodi-n-propylamine	3.33	2.74	MNR1	mg/kg	82%	45 - 120	10A3606	01/28/10 15:24
Pentachlorophenol	3.33	3.00	MNR1	mg/kg	90%	42 - 135	10A3606	01/28/10 15:24
Phenanthrene	3.33	2.94	MNR1	mg/kg	88%	56 - 120	10A3606	01/28/10 15:24
Phenol	3.33	2.79	MNR1	mg/kg	84%	45 - 120	10A3606	01/28/10 15:24
Pyrene	3.33	2.64	MNR1	mg/kg	79%	56 - 120	10A3606	01/28/10 15:24
2,3,4,6-Tetrachlorophenol	3.33	3.39	MNR1	mg/kg	102%	38 - 150	10A3606	01/28/10 15:24
2,4,5-Trichlorophenol	3.33	2.95	MNR1	mg/kg	89%	54 - 120	10A3606	01/28/10 15:24
2,4,6-Trichlorophenol	3.33	3.46	MNR1	mg/kg	104%	50 - 120	10A3606	01/28/10 15:24
Surrogate: Phenol-d5	1.67	1.30			78%	18 - 120	10A3606	01/28/10 15:24
Surrogate: 2-Fluorobiphenyl	1.67	1.37			82%	14 - 120	10A3606	01/28/10 15:24
Surrogate: Nitrobenzene-d5	1.67	1.04			62%	17 - 120	10A3606	01/28/10 15:24
Surrogate: Terphenyl-d14	1.67	1.24			75%	18 - 120	10A3606	01/28/10 15:24
Surrogate: 2,4,6-Tribromophenol	1.67	1.31			79%	19 - 120	10A3606	01/28/10 15:24
<b>10A3606-BS2</b>								
Acetophenone	1.67	1.42	MNR1	mg/kg	85%	26 - 127	10A3606	01/28/10 15:45

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>								
<b>10A3606-BS2</b>								
Atrazine	1.67	1.43	MNR1	mg/kg	86%	11 - 150	10A3606	01/28/10 15:45
Benzaldehyde	1.67	<0.297	L2, MNR1	mg/kg	0%	10 - 150	10A3606	01/28/10 15:45
Benzoic acid	1.67	<0.388	MNR1	mg/kg	0%	10 - 150	10A3606	01/28/10 15:45
Biphenyl	1.67	1.68	MNR1	mg/kg	101%	10 - 136	10A3606	01/28/10 15:45
4-Chloro-3-methylphenol	1.67	1.60	MNR1	mg/kg	96%	49 - 120	10A3606	01/28/10 15:45
Caprolactam	1.67	1.45	MNR1	mg/kg	87%	10 - 150	10A3606	01/28/10 15:45
2-Chlorophenol	1.67	1.36	MNR1	mg/kg	82%	42 - 120	10A3606	01/28/10 15:45
2,4-Dichlorophenol	1.67	1.32	MNR1	mg/kg	79%	43 - 120	10A3606	01/28/10 15:45
2,4-Dimethylphenol	1.67	1.64	MNR1	mg/kg	98%	47 - 120	10A3606	01/28/10 15:45
4,6-Dinitro-2-methylphenol	1.67	1.32	MNR1	mg/kg	79%	27 - 134	10A3606	01/28/10 15:45
2,4-Dinitrophenol	1.67	1.37	MNR1	mg/kg	82%	15 - 145	10A3606	01/28/10 15:45
2-Methylphenol	1.67	1.52	MNR1	mg/kg	91%	47 - 120	10A3606	01/28/10 15:45
2-Nitrophenol	1.67	1.28	MNR1	mg/kg	77%	36 - 120	10A3606	01/28/10 15:45
4-Nitrophenol	1.67	1.83	MNR1	mg/kg	110%	44 - 133	10A3606	01/28/10 15:45
N-Nitrosodi-n-butylamine	1.67	1.77	MNR1	mg/kg	106%	10 - 150	10A3606	01/28/10 15:45
N-Nitrosodiethylamine	1.67	1.25	MNR1	mg/kg	75%	10 - 150	10A3606	01/28/10 15:45
Pentachlorophenol	1.67	0.965	MNR1	mg/kg	58%	42 - 135	10A3606	01/28/10 15:45
Phenol	1.67	1.25	MNR1	mg/kg	75%	45 - 120	10A3606	01/28/10 15:45
1,2,4,5-Tetrachlorobenzene	1.67	1.37	J, MNR1	mg/kg	82%	32 - 130	10A3606	01/28/10 15:45
2,3,4,6-Tetrachlorophenol	1.67	1.71	MNR1	mg/kg	103%	38 - 150	10A3606	01/28/10 15:45
2,4,5-Trichlorophenol	1.67	1.45	MNR1	mg/kg	87%	54 - 120	10A3606	01/28/10 15:45
2,4,6-Trichlorophenol	1.67	1.51	MNR1	mg/kg	91%	50 - 120	10A3606	01/28/10 15:45
Surrogate: Phenol-d5	1.67	1.24			75%	18 - 120	10A3606	01/28/10 15:45
Surrogate: 2-Fluorobiphenyl	1.67	1.34			80%	14 - 120	10A3606	01/28/10 15:45
Surrogate: Nitrobenzene-d5	1.67	1.29			77%	17 - 120	10A3606	01/28/10 15:45
Surrogate: Terphenyl-d14	1.67	1.35			81%	18 - 120	10A3606	01/28/10 15:45
Surrogate: 2,4,6-Tribromophenol	1.67	1.30			78%	19 - 120	10A3606	01/28/10 15:45



Client    Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn     Jessica Vickers

Work Order:    NTA1808  
Project Name:    Liberty Fibers  
Project Number:    Lowland, TN  
Received:        01/26/10 08:00

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters												
10A3484-BSD1												
pH		7.03		pH Units	7.00	100%	0 - 200	0.3	200	10A3484		01/27/10 13:25

Client Tetra Tech EMI (7797)  
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Project Number: Lowland, TN  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
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#### General Chemistry Parameters

##### 10A4039-MS1

Sulfide	159	250	B, M8	mg/kg	200	46%	70 - 130	10A4039	NTA1962-01	01/31/10 23:00
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#### Total Metals by EPA Method 6010B

##### 10A3624-MS1

Aluminum	3800	7610		mg/kg	795	478%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Antimony	ND	41.4		mg/kg	39.8	104%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Arsenic	19.8	35.2		mg/kg	19.9	77%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Barium	108	928	B	mg/kg	795	103%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Beryllium	ND	19.2		mg/kg	19.9	97%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Cadmium	ND	17.8		mg/kg	19.9	90%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Calcium	139000	144000	MNR	mg/kg	1990	286%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Chromium	ND	81.3		mg/kg	79.5	102%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Cobalt	ND	191		mg/kg	199	96%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Copper	9.52	112		mg/kg	99.4	103%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Iron	4880	5920	MNR	mg/kg	398	260%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Lead	28.1	43.0	B	mg/kg	19.9	75%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Magnesium	2010	4240		mg/kg	1990	112%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Manganese	115	304		mg/kg	199	95%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Nickel	ND	191		mg/kg	199	96%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Potassium	ND	4790	M7	mg/kg	1990	241%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Selenium	9.27	26.9		mg/kg	19.9	89%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Silver	ND	17.3		mg/kg	19.9	87%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Sodium	ND	2240		mg/kg	1990	113%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Thallium	ND	16.9		mg/kg	19.9	85%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Vanadium	ND	205		mg/kg	199	103%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Zinc	310	446	M8	mg/kg	199	68%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08

#### Mercury by EPA Methods 7470A/7471A

##### 10A3578-MS1

Mercury	0.0505	0.219		mg/kg	0.167	101%	75 - 125	10A3578	NTA1697-04	02/03/10 09:35
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Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
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#### General Chemistry Parameters

##### 10A4039-MSD1

Sulfide	159	247	B, M8	mg/kg	200	44%	70 - 130	1	12	10A4039	NTA1962-01	01/31/10 23:00
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#### Total Metals by EPA Method 6010B

##### 10A3624-MSD1

Aluminum	3800	7810		mg/kg	777	516%	75 - 125	3	20	10A3624	NTA1891-03	01/29/10 12:28
Antimony	ND	41.0		mg/kg	38.8	105%	75 - 125	1	20	10A3624	NTA1891-03	01/29/10 12:28
Arsenic	19.8	36.0		mg/kg	19.4	83%	75 - 125	2	20	10A3624	NTA1891-03	01/29/10 12:28
Barium	108	898	B	mg/kg	777	102%	75 - 125	3	20	10A3624	NTA1891-03	01/29/10 12:28
Beryllium	ND	18.9		mg/kg	19.4	97%	75 - 125	2	20	10A3624	NTA1891-03	01/29/10 12:28
Cadmium	ND	17.4		mg/kg	19.4	89%	75 - 125	2	20	10A3624	NTA1891-03	01/29/10 12:28
Calcium	139000	137000	MNR	mg/kg	1940	-96%	75 - 125	5	20	10A3624	NTA1891-03	01/29/10 12:28
Chromium	ND	78.8		mg/kg	77.7	101%	75 - 125	3	20	10A3624	NTA1891-03	01/29/10 12:28
Cobalt	ND	187		mg/kg	194	96%	75 - 125	2	20	10A3624	NTA1891-03	01/29/10 12:28
Copper	9.52	110		mg/kg	97.1	104%	75 - 125	2	20	10A3624	NTA1891-03	01/29/10 12:28
Iron	4880	6330	MNR	mg/kg	388	372%	75 - 125	7	20	10A3624	NTA1891-03	01/29/10 12:28
Lead	28.1	38.3	B, M8	mg/kg	19.4	53%	75 - 125	12	20	10A3624	NTA1891-03	01/29/10 12:28
Magnesium	2010	4540	M7	mg/kg	1940	130%	75 - 125	7	20	10A3624	NTA1891-03	01/29/10 12:28
Manganese	115	303		mg/kg	194	97%	75 - 125	0.2	20	10A3624	NTA1891-03	01/29/10 12:28
Nickel	ND	188		mg/kg	194	97%	75 - 125	2	20	10A3624	NTA1891-03	01/29/10 12:28
Potassium	ND	4700	M7	mg/kg	1940	242%	75 - 125	2	20	10A3624	NTA1891-03	01/29/10 12:28
Selenium	9.27	25.7		mg/kg	19.4	85%	75 - 125	4	20	10A3624	NTA1891-03	01/29/10 12:28
Silver	ND	16.7		mg/kg	19.4	86%	75 - 125	3	20	10A3624	NTA1891-03	01/29/10 12:28
Sodium	ND	2130		mg/kg	1940	110%	75 - 125	5	20	10A3624	NTA1891-03	01/29/10 12:28
Thallium	ND	16.3		mg/kg	19.4	84%	75 - 125	3	20	10A3624	NTA1891-03	01/29/10 12:28
Vanadium	ND	201		mg/kg	194	104%	75 - 125	2	20	10A3624	NTA1891-03	01/29/10 12:28
Zinc	310	424	M8	mg/kg	194	59%	75 - 125	5	20	10A3624	NTA1891-03	01/29/10 12:28

#### Mercury by EPA Methods 7470A/7471A

##### 10A3578-MSD1

Mercury	0.0505	0.214		mg/kg	0.167	98%	75 - 125	2	20	10A3578	NTA1697-04	02/03/10 09:37
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Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1808  
Project Name: Liberty Fibers  
Project Number: Lowland, TN  
Received: 01/26/10 08:00

## CERTIFICATION SUMMARY

### TestAmerica Nashville

Method	Matrix	AIHA	Nelac	Tennessee
ASTM D240	Oil	N/A		
EPA 170.1	Soil			
none	Oil			
none	Soil			
SW846 1010	Oil	N/A	X	N/A
SW846 6010B	Soil	N/A	X	N/A
SW846 7471A	Soil		X	
SW846 8082	Oil	N/A	X	N/A
SW846 8270C	Oil	N/A	X	N/A
SW846 9030B/9034	Soil	N/A	X	N/A
SW846 9045D	Soil		X	
SW846 9056	Soil	N/A	X	N/A



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Received: 01/26/10 08:00

## DATA QUALIFIERS AND DEFINITIONS

<b>B</b>	Analyte was detected in the associated Method Blank.
<b>B1</b>	Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
<b>CSTM</b>	>200
<b>E</b>	Concentration exceeds the calibration range and therefore result is semi-quantitative.
<b>H2</b>	Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.
<b>J</b>	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
<b>L2</b>	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
<b>M4</b>	The MS/MSD required a dilution due to matrix interference. Because of this dilution, the matrix spike concentrations in the sample were reduced to a level where the recovery calculation does not provide useful information. See Blank Spike (LCS).
<b>M7</b>	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
<b>M8</b>	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
<b>MNR</b>	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
<b>MNR1</b>	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
<b>R2</b>	The RPD exceeded the acceptance limit.
<b>RL1</b>	Reporting limit raised due to sample matrix effects.
<b>Z10</b>	Surrogate outside laboratory historical limits but within method guidelines. No effect on data.
<b>Z3</b>	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
<b>ZX</b>	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
<b>ND</b>	Not detected at the reporting limit (or method detection limit if shown)

## METHOD MODIFICATION NOTES

## COOLER RE



NTA1808

Cooler Received/Opened On: 1/26/2010 @ 8:00

1. Tracking # 3720 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 95610068

2. Temperature of rep. sample or temp blank when opened: 1.0 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler?

If yes, how many and where: 15 out

YES...NO...NA

5. Were the seals intact, signed, and dated correctly?

YES...NO...NA

6. Were custody papers inside cooler?

YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) [Signature]

7. Were custody seals on containers:

YES

NO

and Intact

YES...NO...NA

Were these signed and dated correctly?

YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process:

Ice

Ice-pack

Ice (direct contact)

Dry ice

Other

None

10. Did all containers arrive in good condition (unbroken)?

YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?

YES...NO...NA

12. Did all container labels and tags agree with custody papers?

YES...NO...NA

13a. Were VOA vials received?

YES...NO...NA

b. Was there any observable headspace present in any VOA vial?

YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) [Signature]

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used

YES...NO...NA

16. Was residual chlorine present?

YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) [Signature]

17. Were custody papers properly filled out (ink, signed, etc)?

YES...NO...NA

18. Did you sign the custody papers in the appropriate place?

YES...NO...NA

19. Were correct containers used for the analysis requested?

YES...NO...NA

20. Was sufficient amount of sample sent in each container?

YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) [Signature]

I certify that I attached a label with the unique LIMS number to each container (initial) [Signature]









































21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO..# 1

## Chain of Custody Record

**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING

## THE LEADER IN ENVIRONMENTAL TESTING

**TestAmerica Laboratories, Inc.**

phone 615.726.0177 fax 615.726.3403				
Client Contact				
Project Manager: Sandra Harrigan				
Tel/Fax: (678) 775-3088				
Analysis Turnaround Time				
Calendar (C) or Work Days (W)				
TAT if different from Below				
<input checked="" type="checkbox"/> 2 weeks				
<input type="checkbox"/> 1 week				
<input type="checkbox"/> 2 days				
<input type="checkbox"/> 1 day				
P O #				
Sample Identification				
Sample Date	Sample Time	Sample Type	Matrix	# of Cont.
L.F.-DW-01	1/21/2010	Grab		1
L.F.-DW-02	1/21/2010	Composite		1
L.F.-DW-03	1/22/2010	Grab		1
L.F.-TW-01	1/21/2010	Composite		1
L.F.-TW-02	1/21/2010	Composite		1
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other				
Possible Hazard Identification				
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input checked="" type="checkbox"/>				
Special Instructions/QC Requirements & Comments: E-mail results to Jessica Vickers at jessica.vickers@tetratech.com.				
Relinquished by: 				
Company: Tetra Tech				
Date/Time: 1/26/10 17:30				
Received by: 				
Company: Tetra Tech				
Date/Time: 1/26/10 17:30				
Relinquished by: 				
Company: Tetra Tech				
Date/Time: 1/26/10 17:30				
Received by: 				
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Date/Time: 1/26/10 17:30				
Relinquished by: 				
Company: Tetra Tech				
Date/Time: 1/26/10 17:30				
Received by: 				

February 09, 2010 11:20:23AM

Client: Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn: Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Nbr: [none]  
P/O Nbr:  
Date Received: 01/26/10

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
LF-NPWE-01	NTA1891-01	01/20/10 10:40
LF-NPWE-01-DUP	NTA1891-02	01/20/10 10:55
LF-NPWW-01	NTA1891-03	01/20/10 10:45
LF-NPW-02	NTA1891-04	01/20/10 11:00
LF-RB-01	NTA1891-05	01/25/10 15:50
LF-SS-01	NTA1891-06	01/20/10 16:20
LF-VAW-01	NTA1891-07	01/20/10 16:40
LF-VAW-01-DUP	NTA1891-08	01/20/10 16:40
LF-VAW-02	NTA1891-09	01/20/10 10:20
LF-VAW-03	NTA1891-10	01/20/10 14:50
LF-VSW-03	NTA1891-11	01/20/10 14:50
LF-VSW-06	NTA1891-12	01/20/10 14:55
Trip Blank	NTA1891-13	01/20/10 00:01

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

#### Additional Laboratory Comments:

**\*\*Revised Report 2/9/10\*\***

Removed Pyridine and 2,3,4,6-Tetrachlorophenol from LF-RB-01 per list from client. Added 2,6-Dichlorophenol and 2,3,4-Trichlorophenol to LF-RB-01 per list from client. This replaces the final report generated on 2/4/10 at 1628.

#### CASE NARRATIVE

LCS Dup was inadvertently double-spiked for 8270 SVOA batch 10A3612. LCS Duplicate RPDs for this batch are outside acceptance limits due to this prep error.

Tennessee Certification Number: 02008

The Chain(s) of Custody, 4 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

This report has been electronically signed.

Report Approved By:



Cathy Gartner

Project Management

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-01 (LF-NPWE-01 - Soil) Sampled: 01/20/10 10:40</b>									
Total Metals by EPA Method 6010B									
Aluminum	2720		mg/kg	60.9	99.8	10	01/29/10 13:18	SW846 6010B	10A3624
Antimony	ND		mg/kg	4.99	99.8	10	01/29/10 13:18	SW846 6010B	10A3624
Arsenic	ND		mg/kg	6.99	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Barium	60.5		mg/kg	0.998	20.0	10	01/29/10 13:18	SW846 6010B	10A3624
Beryllium	ND		mg/kg	0.998	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Cadmium	ND		mg/kg	2.00	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Calcium	165000		mg/kg	46.9	99.8	10	01/29/10 13:18	SW846 6010B	10A3624
Chromium	8.78		mg/kg	4.99	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Cobalt	ND		mg/kg	8.98	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Copper	8.98		mg/kg	4.99	20.0	10	01/29/10 13:18	SW846 6010B	10A3624
Iron	9560		mg/kg	98.8	99.8	10	01/29/10 13:18	SW846 6010B	10A3624
Lead	68.5		mg/kg	3.99	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Magnesium	2140		mg/kg	37.9	99.8	10	01/29/10 13:18	SW846 6010B	10A3624
Manganese	211		mg/kg	4.99	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Nickel	ND		mg/kg	6.99	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Potassium	ND		mg/kg	509	998	10	01/29/10 13:18	SW846 6010B	10A3624
Selenium	ND		mg/kg	6.99	20.0	10	01/29/10 13:18	SW846 6010B	10A3624
Silver	ND		mg/kg	4.99	9.98	10	01/29/10 13:18	SW846 6010B	10A3624
Sodium	ND		mg/kg	1630	2000	10	01/29/10 13:18	SW846 6010B	10A3624
Thallium	ND		mg/kg	16.0	20.0	10	01/29/10 13:18	SW846 6010B	10A3624
Vanadium	ND		mg/kg	11.0	99.8	10	01/29/10 13:18	SW846 6010B	10A3624
Zinc	470		mg/kg	7.98	99.8	10	01/29/10 13:18	SW846 6010B	10A3624
Mercury by EPA Methods 7470A/7471A									
Mercury	1.80		mg/kg	0.193	0.483	5	02/03/10 10:45	SW846 7471A	10A3578
Volatile Organic Compounds by EPA Method 8260B									
Acetone	0.540		mg/kg	0.0227	0.0455	1	01/30/10 13:31	SW846 8260B	10A3560
Benzene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Bromochloromethane	ND		mg/kg	0.000927	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Bromodichloromethane	ND		mg/kg	0.000364	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Bromoform	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Bromomethane	ND		mg/kg	0.000582	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
2-Butanone	ND		mg/kg	0.0155	0.0455	1	01/30/10 13:31	SW846 8260B	10A3560
Carbon disulfide	0.713	E	mg/kg	0.000609	0.00455	1	01/30/10 13:31	SW846 8260B	10A3560
Carbon Tetrachloride	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Chlorobenzene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Chlorodibromomethane	ND		mg/kg	0.000345	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Chloroethane	ND		mg/kg	0.000382	0.00455	1	01/30/10 13:31	SW846 8260B	10A3560
Chloroform	0.000655	B	mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Chloromethane	ND		mg/kg	0.000909	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Cyclohexane	ND		mg/kg	0.000391	0.00909	1	01/30/10 13:31	SW846 8260B	10A3560
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.00309	0.00455	1	01/30/10 13:31	SW846 8260B	10A3560
1,2-Dibromoethane (EDB)	ND		mg/kg	0.000473	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Methylcyclohexane	ND		mg/kg	0.00300	0.00909	1	01/30/10 13:31	SW846 8260B	10A3560
1,2-Dichlorobenzene	ND		mg/kg	0.000391	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,3-Dichlorobenzene	ND		mg/kg	0.000391	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,4-Dichlorobenzene	ND		mg/kg	0.000655	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-01 (LF-NPWE-01 - Soil) - cont. Sampled: 01/20/10 10:40</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Dichlorodifluoromethane	ND		mg/kg	0.00145	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,2-Dichloroethane	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,1-Dichloroethane	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,1-Dichloroethene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
trans-1,2-Dichloroethene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,1,2-Trifluorotrichloroethane	ND		mg/kg	0.000536	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
cis-1,2-Dichloroethene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,2-Dichloropropane	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
trans-1,3-Dichloropropene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
cis-1,3-Dichloropropene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Ethylbenzene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
2-Hexanone	<b>0.0172</b>		mg/kg	0.0155	0.0455	1	01/30/10 13:31	SW846 8260B	10A3560
Isopropylbenzene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Methyl Acetate	ND	L	mg/kg	0.00182	0.00909	1	01/30/10 13:31	SW846 8260B	10A3560
Methyl tert-Butyl Ether	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Methylene Chloride	ND		mg/kg	0.00182	0.00909	1	01/30/10 13:31	SW846 8260B	10A3560
4-Methyl-2-pentanone	ND		mg/kg	0.00264	0.0455	1	01/30/10 13:31	SW846 8260B	10A3560
Styrene	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Tetrachloroethene	ND		mg/kg	0.000364	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Toluene	ND		mg/kg	0.000364	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,2,4-Trichlorobenzene	ND		mg/kg	0.000927	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,2,3-Trichlorobenzene	ND		mg/kg	0.000836	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,1,1-Trichloroethane	ND		mg/kg	0.000364	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
1,1,2-Trichloroethane	ND		mg/kg	0.00101	0.00455	1	01/30/10 13:31	SW846 8260B	10A3560
Trichloroethene	ND		mg/kg	0.000755	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Trichlorofluoromethane	ND		mg/kg	0.000609	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Vinyl chloride	ND		mg/kg	0.000745	0.00182	1	01/30/10 13:31	SW846 8260B	10A3560
Xylenes, total	ND		mg/kg	0.00118	0.00455	1	01/30/10 13:31	SW846 8260B	10A3560
<i>Surr: 1,2-Dichloroethane-d4 (67-138%)</i>	<i>104 %</i>					<i>1</i>	<i>01/30/10 13:31</i>	<i>SW846 8260B</i>	<i>10A3560</i>
<i>Surr: Dibromofluoromethane (75-125%)</i>	<i>8 %</i>	<i>ZX</i>				<i>1</i>	<i>01/30/10 13:31</i>	<i>SW846 8260B</i>	<i>10A3560</i>
<i>Surr: Toluene-d8 (76-129%)</i>	<i>106 %</i>					<i>1</i>	<i>01/30/10 13:31</i>	<i>SW846 8260B</i>	<i>10A3560</i>
<i>Surr: 4-Bromofluorobenzene (67-147%)</i>	<i>121 %</i>					<i>1</i>	<i>01/30/10 13:31</i>	<i>SW846 8260B</i>	<i>10A3560</i>
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND		mg/kg	0.0318	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Acenaphthylene	ND		mg/kg	0.0308	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Acetophenone	ND		mg/kg	0.0348	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Anthracene	ND		mg/kg	0.0328	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Atrazine	ND		mg/kg	0.0726	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Benzaldehyde	ND		mg/kg	0.296	1.66	1	01/31/10 18:11	SW846 8270C	10A3612
Benzo (a) anthracene	ND		mg/kg	0.0378	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Benzo (b) fluoranthene	ND		mg/kg	0.0299	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Benzo (a) pyrene	ND		mg/kg	0.0299	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Benzo (g,h,i) perylene	ND		mg/kg	0.0299	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Benzo (k) fluoranthene	ND		mg/kg	0.0299	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Biphenyl	ND		mg/kg	0.103	0.331	1	01/31/10 18:11	SW846 8270C	10A3612

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-01 (LF-NPWE-01 - Soil) - cont. Sampled: 01/20/10 10:40</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
4-Bromophenyl phenyl ether	ND		mg/kg	0.0945	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Butyl benzyl phthalate	ND		mg/kg	0.0886	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
4-Chloro-3-methylphenol	ND		mg/kg	0.102	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
4-Chloroaniline	ND		mg/kg	0.243	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Caprolactam	ND		mg/kg	0.101	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Carbazole	ND		mg/kg	0.110	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2-Chloronaphthalene	ND		mg/kg	0.0677	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Bis(2-chloroethoxy)methane	ND		mg/kg	0.109	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Bis(2-chloroethyl)ether	ND		mg/kg	0.134	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.101	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2-Chlorophenol	ND		mg/kg	0.108	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
4-Chlorophenyl phenyl ether	ND		mg/kg	0.110	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Chrysene	ND		mg/kg	0.0398	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Dibenz (a,h) anthracene	ND		mg/kg	0.0308	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Dibenzofuran	ND		mg/kg	0.0886	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Di-n-butyl phthalate	ND		mg/kg	0.0856	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
3,3-Dichlorobenzidine	ND		mg/kg	0.250	0.664	1	01/31/10 18:11	SW846 8270C	10A3612
2,4-Dichlorophenol	ND		mg/kg	0.0866	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2,6-Dichlorophenol	ND		mg/kg	0.147	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Diethyl phthalate	ND		mg/kg	0.0498	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2,4-Dimethylphenol	ND		mg/kg	0.280	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Dimethyl phthalate	ND		mg/kg	0.0876	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
4,6-Dinitro-2-methylphenol	ND		mg/kg	0.114	0.829	1	01/31/10 18:11	SW846 8270C	10A3612
2,4-Dinitrophenol	ND		mg/kg	0.134	0.829	1	01/31/10 18:11	SW846 8270C	10A3612
2,6-Dinitrotoluene	ND		mg/kg	0.0647	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2,4-Dinitrotoluene	ND		mg/kg	0.0876	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Di-n-octyl phthalate	ND		mg/kg	0.0617	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.110	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Fluoranthene	ND		mg/kg	0.0338	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Fluorene	ND		mg/kg	0.0358	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Hexachlorobenzene	ND		mg/kg	0.0826	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Hexachlorobutadiene	ND		mg/kg	0.107	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Hexachlorocyclopentadiene	ND		mg/kg	0.110	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Hexachloroethane	ND		mg/kg	0.104	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Indeno (1,2,3-cd) pyrene	ND		mg/kg	0.0308	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Isophorone	ND		mg/kg	0.0677	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2-Methylnaphthalene	ND		mg/kg	0.0328	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2-Methylphenol	ND		mg/kg	0.133	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
3/4-Methylphenol	ND		mg/kg	0.154	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Naphthalene	ND		mg/kg	0.0408	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2-Nitroaniline	ND		mg/kg	0.110	0.829	1	01/31/10 18:11	SW846 8270C	10A3612
3-Nitroaniline	ND		mg/kg	0.272	0.829	1	01/31/10 18:11	SW846 8270C	10A3612
4-Nitroaniline	ND		mg/kg	0.251	0.829	1	01/31/10 18:11	SW846 8270C	10A3612
Nitrobenzene	ND		mg/kg	0.105	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
2-Nitrophenol	ND		mg/kg	0.196	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
4-Nitrophenol	ND		mg/kg	0.275	0.829	1	01/31/10 18:11	SW846 8270C	10A3612
N-Nitrosodiphenylamine	ND		mg/kg	0.108	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
N-Nitrosodi-n-propylamine	ND		mg/kg	0.121	0.331	1	01/31/10 18:11	SW846 8270C	10A3612



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-01 (LF-NPWE-01 - Soil) - cont. Sampled: 01/20/10 10:40</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Pentachlorophenol	ND		mg/kg	0.0776	0.829	1	01/31/10 18:11	SW846 8270C	10A3612
Phenanthrene	ND		mg/kg	0.0338	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Phenol	ND		mg/kg	0.0617	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
Pyrene	ND		mg/kg	0.0408	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.0458	1.66	1	01/31/10 18:11	SW846 8270C	10A3612
2,4,5-Trichlorophenol	ND		mg/kg	0.0726	0.829	1	01/31/10 18:11	SW846 8270C	10A3612
2,4,6-Trichlorophenol	ND		mg/kg	0.0866	0.331	1	01/31/10 18:11	SW846 8270C	10A3612
<i>Surr: Phenol-d5 (18-120%)</i>	<i>5 %</i>	<i>ZX</i>				<i>1</i>	<i>01/31/10 18:11</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: 2-Fluorobiphenyl (14-120%)</i>	<i>58 %</i>					<i>1</i>	<i>01/31/10 18:11</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: Nitrobenzene-d5 (17-120%)</i>	<i>64 %</i>					<i>1</i>	<i>01/31/10 18:11</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: Terphenyl-d14 (18-120%)</i>	<i>60 %</i>					<i>1</i>	<i>01/31/10 18:11</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: 2,4,6-Tribromophenol (19-120%)</i>	<i>2 %</i>	<i>ZX</i>				<i>1</i>	<i>01/31/10 18:11</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<b>Sample ID: NTA1891-02 (LF-NPWE-01-DUP - Soil) Sampled: 01/20/10 10:55</b>									
Total Metals by EPA Method 6010B									
Aluminum	<b>2590</b>		mg/kg	60.2	98.6	10	01/29/10 13:22	SW846 6010B	10A3624
Antimony	<b>7.89</b>		mg/kg	4.93	98.6	10	01/29/10 13:22	SW846 6010B	10A3624
Arsenic	ND		mg/kg	6.90	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Barium	<b>76.9</b>		mg/kg	0.986	19.7	10	01/29/10 13:22	SW846 6010B	10A3624
Beryllium	ND		mg/kg	0.986	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Cadmium	ND		mg/kg	1.97	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Calcium	<b>108000</b>		mg/kg	46.4	98.6	10	01/29/10 13:22	SW846 6010B	10A3624
Chromium	<b>22.7</b>		mg/kg	4.93	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Cobalt	ND		mg/kg	8.88	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Copper	<b>87.4</b>		mg/kg	4.93	19.7	10	01/29/10 13:22	SW846 6010B	10A3624
Iron	<b>54200</b>		mg/kg	97.6	98.6	10	01/29/10 13:22	SW846 6010B	10A3624
Lead	<b>123</b>		mg/kg	3.94	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Magnesium	<b>2490</b>		mg/kg	37.5	98.6	10	01/29/10 13:22	SW846 6010B	10A3624
Manganese	<b>492</b>		mg/kg	4.93	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Nickel	<b>57.4</b>		mg/kg	6.90	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Potassium	ND		mg/kg	503	986	10	01/29/10 13:22	SW846 6010B	10A3624
Selenium	<b>10.3</b>		mg/kg	6.90	19.7	10	01/29/10 13:22	SW846 6010B	10A3624
Silver	ND		mg/kg	4.93	9.86	10	01/29/10 13:22	SW846 6010B	10A3624
Sodium	ND		mg/kg	1610	1970	10	01/29/10 13:22	SW846 6010B	10A3624
Thallium	ND		mg/kg	15.8	19.7	10	01/29/10 13:22	SW846 6010B	10A3624
Vanadium	ND		mg/kg	10.8	98.6	10	01/29/10 13:22	SW846 6010B	10A3624
Zinc	<b>477</b>		mg/kg	7.89	98.6	10	01/29/10 13:22	SW846 6010B	10A3624
Mercury by EPA Methods 7470A/7471A									
Mercury	<b>1.78</b>		mg/kg	0.194	0.486	5	02/03/10 10:47	SW846 7471A	10A3578
Volatile Organic Compounds by EPA Method 8260B									
Acetone	<b>0.374</b>		mg/kg	0.0248	0.0496	1	01/30/10 14:01	SW846 8260B	10A3560
Benzene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Bromochloromethane	ND		mg/kg	0.00101	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Bromodichloromethane	ND		mg/kg	0.000397	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Bromoform	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-02 (LF-NPWE-01-DUP - Soil) - cont. Sampled: 01/20/10 10:55</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Bromomethane	ND		mg/kg	0.000635	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
2-Butanone	<b>0.0332</b>		mg/kg	0.0169	0.0496	1	01/30/10 14:01	SW846 8260B	10A3560
Carbon disulfide	<b>0.936</b>	E	mg/kg	0.000665	0.00496	1	01/30/10 14:01	SW846 8260B	10A3560
Carbon Tetrachloride	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Chlorobenzene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Chlorodibromomethane	ND		mg/kg	0.000377	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Chloroethane	ND		mg/kg	0.000417	0.00496	1	01/30/10 14:01	SW846 8260B	10A3560
Chloroform	<b>0.000843</b>	B	mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Chloromethane	ND		mg/kg	0.000992	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Cyclohexane	ND		mg/kg	0.000427	0.00992	1	01/30/10 14:01	SW846 8260B	10A3560
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.00337	0.00496	1	01/30/10 14:01	SW846 8260B	10A3560
1,2-Dibromoethane (EDB)	ND		mg/kg	0.000516	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Methylcyclohexane	ND		mg/kg	0.00327	0.00992	1	01/30/10 14:01	SW846 8260B	10A3560
1,2-Dichlorobenzene	ND		mg/kg	0.000427	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,3-Dichlorobenzene	ND		mg/kg	0.000427	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,4-Dichlorobenzene	ND		mg/kg	0.000714	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Dichlorodifluoromethane	ND		mg/kg	0.00159	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,2-Dichloroethane	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,1-Dichloroethane	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,1-Dichloroethene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
trans-1,2-Dichloroethene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,1,2-Trifluorotrichloroethane	ND		mg/kg	0.000585	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
cis-1,2-Dichloroethene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,2-Dichloropropane	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
trans-1,3-Dichloropropene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
cis-1,3-Dichloropropene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Ethylbenzene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
2-Hexanone	ND		mg/kg	0.0169	0.0496	1	01/30/10 14:01	SW846 8260B	10A3560
Isopropylbenzene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Methyl Acetate	ND	L	mg/kg	0.00198	0.00992	1	01/30/10 14:01	SW846 8260B	10A3560
Methyl tert-Butyl Ether	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Methylene Chloride	ND		mg/kg	0.00198	0.00992	1	01/30/10 14:01	SW846 8260B	10A3560
4-Methyl-2-pentanone	ND		mg/kg	0.00288	0.0496	1	01/30/10 14:01	SW846 8260B	10A3560
Styrene	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Tetrachloroethene	ND		mg/kg	0.000397	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Toluene	ND		mg/kg	0.000397	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,2,4-Trichlorobenzene	ND		mg/kg	0.00101	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,2,3-Trichlorobenzene	ND		mg/kg	0.000913	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,1,1-Trichloroethane	ND		mg/kg	0.000397	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
1,1,2-Trichloroethane	ND		mg/kg	0.00110	0.00496	1	01/30/10 14:01	SW846 8260B	10A3560
Trichloroethene	ND		mg/kg	0.000823	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Trichlorofluoromethane	ND		mg/kg	0.000665	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Vinyl chloride	ND		mg/kg	0.000813	0.00198	1	01/30/10 14:01	SW846 8260B	10A3560
Xylenes, total	ND		mg/kg	0.00129	0.00496	1	01/30/10 14:01	SW846 8260B	10A3560
<i>Surr: 1,2-Dichloroethane-d4 (67-138%)</i>	<i>95 %</i>					<i>1</i>	<i>01/30/10 14:01</i>	<i>SW846 8260B</i>	<i>10A3560</i>
<i>Surr: Dibromofluoromethane (75-125%)</i>	<i>19 %</i>	<i>ZX</i>				<i>1</i>	<i>01/30/10 14:01</i>	<i>SW846 8260B</i>	<i>10A3560</i>

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-02 (LF-NPWE-01-DUP - Soil) - cont. Sampled: 01/20/10 10:55</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Surr: Toluene-d8 (76-129%)	108 %					1	01/30/10 14:01	SW846 8260B	10A3560
Surr: 4-Bromofluorobenzene (67-147%)	120 %					1	01/30/10 14:01	SW846 8260B	10A3560
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND		mg/kg	0.0317	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Acenaphthylene	ND		mg/kg	0.0308	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Acetophenone	ND		mg/kg	0.0347	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Anthracene	ND		mg/kg	0.0327	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Atrazine	ND		mg/kg	0.0724	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Benzaldehyde	ND		mg/kg	0.295	1.66	1	01/31/10 18:31	SW846 8270C	10A3612
Benzo (a) anthracene	0.0711		mg/kg	0.0377	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Benzo (b) fluoranthene	ND		mg/kg	0.0298	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Benzo (a) pyrene	ND		mg/kg	0.0298	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Benzo (g,h,i) perylene	ND		mg/kg	0.0298	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Benzo (k) fluoranthene	ND		mg/kg	0.0298	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Biphenyl	ND		mg/kg	0.103	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
4-Bromophenyl phenyl ether	ND		mg/kg	0.0942	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Butyl benzyl phthalate	ND		mg/kg	0.0883	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
4-Chloro-3-methylphenol	ND		mg/kg	0.102	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
4-Chloroaniline	ND		mg/kg	0.242	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Caprolactam	ND		mg/kg	0.101	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Carbazole	ND		mg/kg	0.110	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2-Chloronaphthalene	ND		mg/kg	0.0675	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Bis(2-chloroethoxy)methane	ND		mg/kg	0.109	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Bis(2-chloroethyl)ether	ND		mg/kg	0.134	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.101	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2-Chlorophenol	ND		mg/kg	0.108	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
4-Chlorophenyl phenyl ether	ND		mg/kg	0.110	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Chrysene	0.0734		mg/kg	0.0397	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Dibenz (a,h) anthracene	ND		mg/kg	0.0308	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Dibenzofuran	0.117		mg/kg	0.0883	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Di-n-butyl phthalate	ND		mg/kg	0.0853	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
3,3-Dichlorobenzidine	ND		mg/kg	0.249	0.662	1	01/31/10 18:31	SW846 8270C	10A3612
2,4-Dichlorophenol	ND		mg/kg	0.0863	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2,6-Dichlorophenol	ND		mg/kg	0.147	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Diethyl phthalate	ND		mg/kg	0.0496	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2,4-Dimethylphenol	ND		mg/kg	0.279	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Dimethyl phthalate	ND		mg/kg	0.0873	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
4,6-Dinitro-2-methylphenol	ND		mg/kg	0.114	0.826	1	01/31/10 18:31	SW846 8270C	10A3612
2,4-Dinitrophenol	ND		mg/kg	0.134	0.826	1	01/31/10 18:31	SW846 8270C	10A3612
2,6-Dinitrotoluene	ND		mg/kg	0.0645	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2,4-Dinitrotoluene	ND		mg/kg	0.0873	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Di-n-octyl phthalate	ND		mg/kg	0.0615	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.110	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Fluoranthene	ND		mg/kg	0.0337	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Fluorene	ND		mg/kg	0.0357	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Hexachlorobenzene	ND		mg/kg	0.0823	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Hexachlorobutadiene	ND		mg/kg	0.107	0.330	1	01/31/10 18:31	SW846 8270C	10A3612

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-02 (LF-NPWE-01-DUP - Soil) - cont. Sampled: 01/20/10 10:55</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Hexachlorocyclopentadiene	ND		mg/kg	0.110	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Hexachloroethane	ND		mg/kg	0.104	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Indeno (1,2,3-cd) pyrene	ND		mg/kg	0.0308	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Isophorone	ND		mg/kg	0.0675	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2-Methylnaphthalene	ND		mg/kg	0.0327	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2-Methylphenol	ND		mg/kg	0.133	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
3/4-Methylphenol	ND		mg/kg	0.154	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Naphthalene	ND		mg/kg	0.0407	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2-Nitroaniline	ND		mg/kg	0.110	0.826	1	01/31/10 18:31	SW846 8270C	10A3612
3-Nitroaniline	ND		mg/kg	0.271	0.826	1	01/31/10 18:31	SW846 8270C	10A3612
4-Nitroaniline	ND		mg/kg	0.250	0.826	1	01/31/10 18:31	SW846 8270C	10A3612
Nitrobenzene	ND		mg/kg	0.105	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
2-Nitrophenol	ND		mg/kg	0.195	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
4-Nitrophenol	ND		mg/kg	0.274	0.826	1	01/31/10 18:31	SW846 8270C	10A3612
N-Nitrosodiphenylamine	ND		mg/kg	0.108	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
N-Nitrosodi-n-propylamine	ND		mg/kg	0.121	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Pentachlorophenol	ND		mg/kg	0.0774	0.826	1	01/31/10 18:31	SW846 8270C	10A3612
Phenanthrene	ND		mg/kg	0.0337	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Phenol	ND		mg/kg	0.0615	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
Pyrene	<b>0.0843</b>		mg/kg	0.0407	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.0456	1.66	1	01/31/10 18:31	SW846 8270C	10A3612
2,4,5-Trichlorophenol	ND		mg/kg	0.0724	0.826	1	01/31/10 18:31	SW846 8270C	10A3612
2,4,6-Trichlorophenol	ND		mg/kg	0.0863	0.330	1	01/31/10 18:31	SW846 8270C	10A3612
<i>Surr: Phenol-d5 (18-120%)</i>	<i>4 %</i>	<i>ZX</i>				<i>1</i>	<i>01/31/10 18:31</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: 2-Fluorobiphenyl (14-120%)</i>	<i>42 %</i>					<i>1</i>	<i>01/31/10 18:31</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: Nitrobenzene-d5 (17-120%)</i>	<i>51 %</i>					<i>1</i>	<i>01/31/10 18:31</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: Terphenyl-d14 (18-120%)</i>	<i>45 %</i>					<i>1</i>	<i>01/31/10 18:31</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: 2,4,6-Tribromophenol (19-120%)</i>	<i>0.9 %</i>	<i>ZX</i>				<i>1</i>	<i>01/31/10 18:31</i>	<i>SW846 8270C</i>	<i>10A3612</i>



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-03 (LF-NPWW-01 - Soil) Sampled: 01/20/10 10:45</b>									
Total Metals by EPA Method 6010B									
Aluminum	3800		mg/kg	60.5	99.2	10	01/29/10 13:27	SW846 6010B	10A3624
Antimony	ND		mg/kg	4.96	99.2	10	01/29/10 13:27	SW846 6010B	10A3624
Arsenic	19.8		mg/kg	6.94	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Barium	108		mg/kg	0.992	19.8	10	01/29/10 13:27	SW846 6010B	10A3624
Beryllium	ND		mg/kg	0.992	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Cadmium	ND		mg/kg	1.98	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Calcium	139000		mg/kg	46.6	99.2	10	01/29/10 13:27	SW846 6010B	10A3624
Chromium	ND		mg/kg	4.96	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Cobalt	ND		mg/kg	8.93	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Copper	9.52		mg/kg	4.96	19.8	10	01/29/10 13:27	SW846 6010B	10A3624
Iron	4880		mg/kg	98.2	99.2	10	01/29/10 13:27	SW846 6010B	10A3624
Lead	28.1		mg/kg	3.97	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Magnesium	2010		mg/kg	37.7	99.2	10	01/29/10 13:27	SW846 6010B	10A3624
Manganese	115		mg/kg	4.96	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Nickel	ND		mg/kg	6.94	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Potassium	ND	M7	mg/kg	506	992	10	01/29/10 13:27	SW846 6010B	10A3624
Selenium	9.27		mg/kg	6.94	19.8	10	01/29/10 13:27	SW846 6010B	10A3624
Silver	ND		mg/kg	4.96	9.92	10	01/29/10 13:27	SW846 6010B	10A3624
Sodium	ND		mg/kg	1620	1980	10	01/29/10 13:27	SW846 6010B	10A3624
Thallium	ND		mg/kg	15.9	19.8	10	01/29/10 13:27	SW846 6010B	10A3624
Vanadium	ND		mg/kg	10.9	99.2	10	01/29/10 13:27	SW846 6010B	10A3624
Zinc	310		mg/kg	7.94	99.2	10	01/29/10 13:27	SW846 6010B	10A3624
Mercury by EPA Methods 7470A/7471A									
Mercury	1.02		mg/kg	0.0793	0.198	2	02/03/10 10:49	SW846 7471A	10A3578
Volatile Organic Compounds by EPA Method 8260B									
Acetone	0.148		mg/kg	0.0264	0.0527	1	01/30/10 14:32	SW846 8260B	10A3560
Benzene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Bromochloromethane	ND		mg/kg	0.00108	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Bromodichloromethane	ND		mg/kg	0.000422	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Bromoform	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Bromomethane	ND		mg/kg	0.000675	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
2-Butanone	ND		mg/kg	0.0179	0.0527	1	01/30/10 14:32	SW846 8260B	10A3560
Carbon disulfide	0.0899	M8	mg/kg	0.000707	0.00527	1	01/30/10 14:32	SW846 8260B	10A3560
Carbon Tetrachloride	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Chlorobenzene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Chlorodibromomethane	ND		mg/kg	0.000401	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Chloroethane	ND		mg/kg	0.000443	0.00527	1	01/30/10 14:32	SW846 8260B	10A3560
Chloroform	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Chloromethane	ND		mg/kg	0.00105	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Cyclohexane	ND		mg/kg	0.000454	0.0105	1	01/30/10 14:32	SW846 8260B	10A3560
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.00359	0.00527	1	01/30/10 14:32	SW846 8260B	10A3560
1,2-Dibromoethane (EDB)	ND		mg/kg	0.000549	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Methylcyclohexane	ND		mg/kg	0.00348	0.0105	1	01/30/10 14:32	SW846 8260B	10A3560
1,2-Dichlorobenzene	ND		mg/kg	0.000454	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,3-Dichlorobenzene	ND		mg/kg	0.000454	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,4-Dichlorobenzene	ND		mg/kg	0.000759	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-03 (LF-NPWW-01 - Soil) - cont. Sampled: 01/20/10 10:45</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Dichlorodifluoromethane	ND		mg/kg	0.00169	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,2-Dichloroethane	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,1-Dichloroethane	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,1-Dichloroethene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
trans-1,2-Dichloroethene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,1,2-Trifluorotrichloroethane	ND		mg/kg	0.000622	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
cis-1,2-Dichloroethene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,2-Dichloropropane	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
trans-1,3-Dichloropropene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
cis-1,3-Dichloropropene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Ethylbenzene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
2-Hexanone	ND		mg/kg	0.0179	0.0527	1	01/30/10 14:32	SW846 8260B	10A3560
Isopropylbenzene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Methyl Acetate	ND	L, M7	mg/kg	0.00211	0.0105	1	01/30/10 14:32	SW846 8260B	10A3560
Methyl tert-Butyl Ether	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Methylene Chloride	ND		mg/kg	0.00211	0.0105	1	01/30/10 14:32	SW846 8260B	10A3560
4-Methyl-2-pentanone	ND		mg/kg	0.00306	0.0527	1	01/30/10 14:32	SW846 8260B	10A3560
Styrene	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Tetrachloroethene	ND		mg/kg	0.000422	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Toluene	ND		mg/kg	0.000422	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,2,4-Trichlorobenzene	ND		mg/kg	0.00108	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,2,3-Trichlorobenzene	ND	M8	mg/kg	0.000970	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,1,1-Trichloroethane	ND		mg/kg	0.000422	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
1,1,2-Trichloroethane	ND		mg/kg	0.00117	0.00527	1	01/30/10 14:32	SW846 8260B	10A3560
Trichloroethene	ND		mg/kg	0.000876	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Trichlorofluoromethane	ND		mg/kg	0.000707	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Vinyl chloride	ND		mg/kg	0.000865	0.00211	1	01/30/10 14:32	SW846 8260B	10A3560
Xylenes, total	ND		mg/kg	0.00137	0.00527	1	01/30/10 14:32	SW846 8260B	10A3560
<i>Surr: 1,2-Dichloroethane-d4 (67-138%)</i>	<i>103 %</i>					<i>1</i>	<i>01/30/10 14:32</i>	<i>SW846 8260B</i>	<i>10A3560</i>
<i>Surr: Dibromofluoromethane (75-125%)</i>	<i>103 %</i>					<i>1</i>	<i>01/30/10 14:32</i>	<i>SW846 8260B</i>	<i>10A3560</i>
<i>Surr: Toluene-d8 (76-129%)</i>	<i>102 %</i>					<i>1</i>	<i>01/30/10 14:32</i>	<i>SW846 8260B</i>	<i>10A3560</i>
<i>Surr: 4-Bromofluorobenzene (67-147%)</i>	<i>103 %</i>					<i>1</i>	<i>01/30/10 14:32</i>	<i>SW846 8260B</i>	<i>10A3560</i>
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND		mg/kg	0.0317	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Acenaphthylene	ND		mg/kg	0.0307	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Acetophenone	ND		mg/kg	0.0347	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Anthracene	ND		mg/kg	0.0327	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Atrazine	ND		mg/kg	0.0723	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Benzaldehyde	ND		mg/kg	0.294	1.66	1	01/31/10 18:52	SW846 8270C	10A3612
Benzo (a) anthracene	ND		mg/kg	0.0377	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Benzo (b) fluoranthene	ND		mg/kg	0.0297	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Benzo (a) pyrene	ND		mg/kg	0.0297	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Benzo (g,h,i) perylene	ND		mg/kg	0.0297	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Benzo (k) fluoranthene	ND		mg/kg	0.0297	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Biphenyl	ND		mg/kg	0.103	0.330	1	01/31/10 18:52	SW846 8270C	10A3612

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-03 (LF-NPWW-01 - Soil) - cont. Sampled: 01/20/10 10:45</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
4-Bromophenyl phenyl ether	ND		mg/kg	0.0942	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Butyl benzyl phthalate	ND		mg/kg	0.0882	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
4-Chloro-3-methylphenol	ND		mg/kg	0.102	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
4-Chloroaniline	ND		mg/kg	0.242	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Caprolactam	ND		mg/kg	0.101	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Carbazole	ND		mg/kg	0.110	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2-Chloronaphthalene	ND		mg/kg	0.0674	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Bis(2-chloroethoxy)methane	ND		mg/kg	0.109	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Bis(2-chloroethyl)ether	ND		mg/kg	0.134	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.101	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2-Chlorophenol	ND		mg/kg	0.108	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
4-Chlorophenyl phenyl ether	ND		mg/kg	0.110	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Chrysene	ND		mg/kg	0.0396	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Dibenz (a,h) anthracene	ND		mg/kg	0.0307	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Dibenzofuran	ND		mg/kg	0.0882	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Di-n-butyl phthalate	ND		mg/kg	0.0852	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
3,3-Dichlorobenzidine	ND		mg/kg	0.249	0.661	1	01/31/10 18:52	SW846 8270C	10A3612
2,4-Dichlorophenol	ND		mg/kg	0.0862	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2,6-Dichlorophenol	ND		mg/kg	0.147	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Diethyl phthalate	ND		mg/kg	0.0496	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2,4-Dimethylphenol	ND		mg/kg	0.278	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Dimethyl phthalate	ND		mg/kg	0.0872	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
4,6-Dinitro-2-methylphenol	ND		mg/kg	0.114	0.826	1	01/31/10 18:52	SW846 8270C	10A3612
2,4-Dinitrophenol	ND		mg/kg	0.134	0.826	1	01/31/10 18:52	SW846 8270C	10A3612
2,6-Dinitrotoluene	ND		mg/kg	0.0644	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2,4-Dinitrotoluene	ND		mg/kg	0.0872	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Di-n-octyl phthalate	ND		mg/kg	0.0614	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.110	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Fluoranthene	ND		mg/kg	0.0337	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Fluorene	ND		mg/kg	0.0357	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Hexachlorobenzene	ND		mg/kg	0.0823	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Hexachlorobutadiene	ND		mg/kg	0.107	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Hexachlorocyclopentadiene	ND		mg/kg	0.110	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Hexachloroethane	ND		mg/kg	0.104	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Indeno (1,2,3-cd) pyrene	ND		mg/kg	0.0307	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Isophorone	ND		mg/kg	0.0674	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2-Methylnaphthalene	ND		mg/kg	0.0327	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2-Methylphenol	ND		mg/kg	0.133	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
3/4-Methylphenol	ND		mg/kg	0.154	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Naphthalene	ND		mg/kg	0.0406	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2-Nitroaniline	ND		mg/kg	0.110	0.826	1	01/31/10 18:52	SW846 8270C	10A3612
3-Nitroaniline	ND		mg/kg	0.271	0.826	1	01/31/10 18:52	SW846 8270C	10A3612
4-Nitroaniline	ND		mg/kg	0.250	0.826	1	01/31/10 18:52	SW846 8270C	10A3612
Nitrobenzene	ND		mg/kg	0.105	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
2-Nitrophenol	ND		mg/kg	0.195	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
4-Nitrophenol	ND		mg/kg	0.274	0.826	1	01/31/10 18:52	SW846 8270C	10A3612
N-Nitrosodiphenylamine	ND		mg/kg	0.108	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
N-Nitrosodi-n-propylamine	ND		mg/kg	0.121	0.330	1	01/31/10 18:52	SW846 8270C	10A3612

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-03 (LF-NPWW-01 - Soil) - cont. Sampled: 01/20/10 10:45</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Pentachlorophenol	ND		mg/kg	0.0773	0.826	1	01/31/10 18:52	SW846 8270C	10A3612
Phenanthrene	ND		mg/kg	0.0337	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Phenol	ND		mg/kg	0.0614	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
Pyrene	ND		mg/kg	0.0406	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.0456	1.66	1	01/31/10 18:52	SW846 8270C	10A3612
2,4,5-Trichlorophenol	ND		mg/kg	0.0723	0.826	1	01/31/10 18:52	SW846 8270C	10A3612
2,4,6-Trichlorophenol	ND		mg/kg	0.0862	0.330	1	01/31/10 18:52	SW846 8270C	10A3612
<i>Surr: Phenol-d5 (18-120%)</i>	<i>13 %</i>	<i>ZX</i>				<i>1</i>	<i>01/31/10 18:52</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: 2-Fluorobiphenyl (14-120%)</i>	<i>52 %</i>					<i>1</i>	<i>01/31/10 18:52</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: Nitrobenzene-d5 (17-120%)</i>	<i>74 %</i>					<i>1</i>	<i>01/31/10 18:52</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: Terphenyl-d14 (18-120%)</i>	<i>59 %</i>					<i>1</i>	<i>01/31/10 18:52</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: 2,4,6-Tribromophenol (19-120%)</i>	<i>1 %</i>	<i>ZX</i>				<i>1</i>	<i>01/31/10 18:52</i>	<i>SW846 8270C</i>	<i>10A3612</i>

## Sample ID: NTA1891-04 (LF-NPW-02 - Soil) Sampled: 01/20/10 11:00

Total Metals by EPA Method 6010B

Aluminum	<b>4280</b>		mg/kg	60.8	99.6	10	01/29/10 13:58	SW846 6010B	10A3624
Antimony	ND		mg/kg	4.98	99.6	10	01/29/10 13:58	SW846 6010B	10A3624
Arsenic	ND		mg/kg	6.97	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Barium	<b>54.2</b>		mg/kg	0.996	19.9	10	01/29/10 13:58	SW846 6010B	10A3624
Beryllium	ND		mg/kg	0.996	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Cadmium	ND		mg/kg	1.99	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Calcium	<b>212000</b>		mg/kg	46.8	99.6	10	01/29/10 13:58	SW846 6010B	10A3624
Chromium	<b>19.3</b>		mg/kg	4.98	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Cobalt	ND		mg/kg	8.96	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Copper	ND		mg/kg	4.98	19.9	10	01/29/10 13:58	SW846 6010B	10A3624
Iron	<b>3680</b>		mg/kg	98.6	99.6	10	01/29/10 13:58	SW846 6010B	10A3624
Lead	<b>18.6</b>		mg/kg	3.98	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Magnesium	<b>3390</b>		mg/kg	37.8	99.6	10	01/29/10 13:58	SW846 6010B	10A3624
Manganese	<b>145</b>		mg/kg	4.98	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Nickel	<b>11.8</b>		mg/kg	6.97	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Potassium	ND		mg/kg	508	996	10	01/29/10 13:58	SW846 6010B	10A3624
Selenium	ND		mg/kg	6.97	19.9	10	01/29/10 13:58	SW846 6010B	10A3624
Silver	ND		mg/kg	4.98	9.96	10	01/29/10 13:58	SW846 6010B	10A3624
Sodium	ND		mg/kg	1620	1990	10	01/29/10 13:58	SW846 6010B	10A3624
Thallium	ND		mg/kg	15.9	19.9	10	01/29/10 13:58	SW846 6010B	10A3624
Vanadium	ND		mg/kg	11.0	99.6	10	01/29/10 13:58	SW846 6010B	10A3624
Zinc	<b>235</b>		mg/kg	7.97	99.6	10	01/29/10 13:58	SW846 6010B	10A3624

Mercury by EPA Methods 7470A/7471A

Mercury	<b>1.24</b>		mg/kg	0.199	0.498	5	02/03/10 10:51	SW846 7471A	10A3578
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Volatile Organic Compounds by EPA Method 8260B

Acetone	<b>0.0897</b>		mg/kg	0.0237	0.0473	1	01/30/10 15:02	SW846 8260B	10A3560
Benzene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Bromochloromethane	ND		mg/kg	0.000966	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Bromodichloromethane	ND		mg/kg	0.000379	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Bromoform	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-04 (LF-NPW-02 - Soil) - cont. Sampled: 01/20/10 11:00</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Bromomethane	ND		mg/kg	0.000606	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
2-Butanone	ND		mg/kg	0.0161	0.0473	1	01/30/10 15:02	SW846 8260B	10A3560
Carbon disulfide	<b>0.0634</b>		mg/kg	0.000634	0.00473	1	01/30/10 15:02	SW846 8260B	10A3560
Carbon Tetrachloride	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Chlorobenzene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Chlorodibromomethane	ND		mg/kg	0.000360	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Chloroethane	ND		mg/kg	0.000398	0.00473	1	01/30/10 15:02	SW846 8260B	10A3560
Chloroform	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Chloromethane	ND		mg/kg	0.000947	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Cyclohexane	ND		mg/kg	0.000407	0.00947	1	01/30/10 15:02	SW846 8260B	10A3560
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.00322	0.00473	1	01/30/10 15:02	SW846 8260B	10A3560
1,2-Dibromoethane (EDB)	ND		mg/kg	0.000492	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Methylcyclohexane	ND		mg/kg	0.00312	0.00947	1	01/30/10 15:02	SW846 8260B	10A3560
1,2-Dichlorobenzene	ND		mg/kg	0.000407	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,3-Dichlorobenzene	ND		mg/kg	0.000407	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,4-Dichlorobenzene	ND		mg/kg	0.000682	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Dichlorodifluoromethane	ND		mg/kg	0.00152	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,2-Dichloroethane	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,1-Dichloroethane	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,1-Dichloroethene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
trans-1,2-Dichloroethene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,1,2-Trifluorotrichloroethane	ND		mg/kg	0.000559	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
cis-1,2-Dichloroethene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,2-Dichloropropane	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
trans-1,3-Dichloropropene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
cis-1,3-Dichloropropene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Ethylbenzene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
2-Hexanone	ND		mg/kg	0.0161	0.0473	1	01/30/10 15:02	SW846 8260B	10A3560
Isopropylbenzene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Methyl Acetate	ND	L	mg/kg	0.00189	0.00947	1	01/30/10 15:02	SW846 8260B	10A3560
Methyl tert-Butyl Ether	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Methylene Chloride	ND		mg/kg	0.00189	0.00947	1	01/30/10 15:02	SW846 8260B	10A3560
4-Methyl-2-pentanone	ND		mg/kg	0.00275	0.0473	1	01/30/10 15:02	SW846 8260B	10A3560
Styrene	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Tetrachloroethene	ND		mg/kg	0.000379	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Toluene	ND		mg/kg	0.000379	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,2,4-Trichlorobenzene	ND		mg/kg	0.000966	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,2,3-Trichlorobenzene	ND		mg/kg	0.000871	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,1,1-Trichloroethane	ND		mg/kg	0.000379	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
1,1,2-Trichloroethane	ND		mg/kg	0.00105	0.00473	1	01/30/10 15:02	SW846 8260B	10A3560
Trichloroethene	ND		mg/kg	0.000786	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Trichlorofluoromethane	ND		mg/kg	0.000634	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Vinyl chloride	ND		mg/kg	0.000777	0.00189	1	01/30/10 15:02	SW846 8260B	10A3560
Xylenes, total	ND		mg/kg	0.00123	0.00473	1	01/30/10 15:02	SW846 8260B	10A3560
<i>Surr: 1,2-Dichloroethane-d4 (67-138%)</i>	<i>101 %</i>					<i>1</i>	<i>01/30/10 15:02</i>	<i>SW846 8260B</i>	<i>10A3560</i>
<i>Surr: Dibromofluoromethane (75-125%)</i>	<i>16 %</i>	<i>ZX</i>				<i>1</i>	<i>01/30/10 15:02</i>	<i>SW846 8260B</i>	<i>10A3560</i>

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-04 (LF-NPW-02 - Soil) - cont. Sampled: 01/20/10 11:00</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Surr: Toluene-d8 (76-129%)	101 %					1	01/30/10 15:02	SW846 8260B	10A3560
Surr: 4-Bromofluorobenzene (67-147%)	101 %					1	01/30/10 15:02	SW846 8260B	10A3560
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND		mg/kg	0.0315	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Acenaphthylene	ND		mg/kg	0.0305	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Acetophenone	ND		mg/kg	0.0344	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Anthracene	ND		mg/kg	0.0324	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Atrazine	ND		mg/kg	0.0718	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Benzaldehyde	ND		mg/kg	0.292	1.64	1	01/31/10 19:13	SW846 8270C	10A3612
Benzo (a) anthracene	ND		mg/kg	0.0374	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Benzo (b) fluoranthene	ND		mg/kg	0.0295	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Benzo (a) pyrene	ND		mg/kg	0.0295	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Benzo (g,h,i) perylene	ND		mg/kg	0.0295	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Benzo (k) fluoranthene	ND		mg/kg	0.0295	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Biphenyl	ND		mg/kg	0.102	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
4-Bromophenyl phenyl ether	ND		mg/kg	0.0934	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Butyl benzyl phthalate	ND		mg/kg	0.0875	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
4-Chloro-3-methylphenol	ND		mg/kg	0.101	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
4-Chloroaniline	ND		mg/kg	0.240	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Caprolactam	ND		mg/kg	0.100	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Carbazole	ND		mg/kg	0.109	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2-Chloronaphthalene	ND		mg/kg	0.0669	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Bis(2-chloroethoxy)methane	ND		mg/kg	0.108	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Bis(2-chloroethyl)ether	ND		mg/kg	0.133	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.100	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2-Chlorophenol	ND		mg/kg	0.107	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
4-Chlorophenyl phenyl ether	ND		mg/kg	0.109	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Chrysene	ND		mg/kg	0.0393	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Dibenz (a,h) anthracene	ND		mg/kg	0.0305	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Dibenzofuran	ND		mg/kg	0.0875	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Di-n-butyl phthalate	ND		mg/kg	0.0846	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
3,3-Dichlorobenzidine	ND		mg/kg	0.247	0.656	1	01/31/10 19:13	SW846 8270C	10A3612
2,4-Dichlorophenol	ND		mg/kg	0.0855	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2,6-Dichlorophenol	ND		mg/kg	0.146	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Diethyl phthalate	ND		mg/kg	0.0492	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2,4-Dimethylphenol	ND		mg/kg	0.276	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Dimethyl phthalate	ND		mg/kg	0.0865	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
4,6-Dinitro-2-methylphenol	ND		mg/kg	0.113	0.819	1	01/31/10 19:13	SW846 8270C	10A3612
2,4-Dinitrophenol	ND		mg/kg	0.133	0.819	1	01/31/10 19:13	SW846 8270C	10A3612
2,6-Dinitrotoluene	ND		mg/kg	0.0639	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2,4-Dinitrotoluene	ND		mg/kg	0.0865	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Di-n-octyl phthalate	ND		mg/kg	0.0610	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.109	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Fluoranthene	ND		mg/kg	0.0334	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Fluorene	ND		mg/kg	0.0354	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Hexachlorobenzene	ND		mg/kg	0.0816	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Hexachlorobutadiene	ND		mg/kg	0.106	0.327	1	01/31/10 19:13	SW846 8270C	10A3612

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-04 (LF-NPW-02 - Soil) - cont. Sampled: 01/20/10 11:00</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
Hexachlorocyclopentadiene	ND		mg/kg	0.109	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Hexachloroethane	ND		mg/kg	0.103	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Indeno (1,2,3-cd) pyrene	ND		mg/kg	0.0305	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Isophorone	ND		mg/kg	0.0669	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2-Methylnaphthalene	ND		mg/kg	0.0324	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2-Methylphenol	ND		mg/kg	0.132	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
3/4-Methylphenol	ND		mg/kg	0.152	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Naphthalene	ND		mg/kg	0.0403	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2-Nitroaniline	ND		mg/kg	0.109	0.819	1	01/31/10 19:13	SW846 8270C	10A3612
3-Nitroaniline	ND		mg/kg	0.268	0.819	1	01/31/10 19:13	SW846 8270C	10A3612
4-Nitroaniline	ND		mg/kg	0.248	0.819	1	01/31/10 19:13	SW846 8270C	10A3612
Nitrobenzene	ND		mg/kg	0.104	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
2-Nitrophenol	ND		mg/kg	0.194	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
4-Nitrophenol	ND		mg/kg	0.271	0.819	1	01/31/10 19:13	SW846 8270C	10A3612
N-Nitrosodiphenylamine	ND		mg/kg	0.107	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
N-Nitrosodi-n-propylamine	ND		mg/kg	0.120	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Pentachlorophenol	ND		mg/kg	0.0767	0.819	1	01/31/10 19:13	SW846 8270C	10A3612
Phenanthrene	ND		mg/kg	0.0334	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Phenol	ND		mg/kg	0.0610	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
Pyrene	ND		mg/kg	0.0403	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.0452	1.64	1	01/31/10 19:13	SW846 8270C	10A3612
2,4,5-Trichlorophenol	ND		mg/kg	0.0718	0.819	1	01/31/10 19:13	SW846 8270C	10A3612
2,4,6-Trichlorophenol	ND		mg/kg	0.0855	0.327	1	01/31/10 19:13	SW846 8270C	10A3612
<i>Surr: Phenol-d5 (18-120%)</i>	<i>12 %</i>	<i>ZX</i>				<i>1</i>	<i>01/31/10 19:13</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: 2-Fluorobiphenyl (14-120%)</i>	<i>25 %</i>					<i>1</i>	<i>01/31/10 19:13</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: Nitrobenzene-d5 (17-120%)</i>	<i>39 %</i>					<i>1</i>	<i>01/31/10 19:13</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: Terphenyl-d14 (18-120%)</i>	<i>46 %</i>					<i>1</i>	<i>01/31/10 19:13</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: 2,4,6-Tribromophenol (19-120%)</i>	<i>1 %</i>	<i>ZX</i>				<i>1</i>	<i>01/31/10 19:13</i>	<i>SW846 8270C</i>	<i>10A3612</i>

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-05 (LF-RB-01 - Water) Sampled: 01/25/10 15:50</b>									
Total Metals by EPA Method 6010B									
Aluminum	ND		mg/L	0.0540	0.100	1	01/29/10 15:22	SW846 6010B	10A3452
Antimony	ND		mg/L	0.00210	0.0100	1	01/29/10 15:22	SW846 6010B	10A3452
Arsenic	ND		mg/L	0.00360	0.0100	1	01/29/10 15:22	SW846 6010B	10A3452
Barium	ND		mg/L	0.00100	0.0100	1	01/29/10 15:22	SW846 6010B	10A3452
Beryllium	ND		mg/L	0.00100	0.00400	1	01/29/10 15:22	SW846 6010B	10A3452
Cadmium	ND		mg/L	0.000600	0.00100	1	01/29/10 15:22	SW846 6010B	10A3452
Calcium	ND		mg/L	0.100	1.00	1	01/29/10 15:22	SW846 6010B	10A3452
Chromium	ND		mg/L	0.00260	0.00500	1	01/29/10 15:22	SW846 6010B	10A3452
Cobalt	ND		mg/L	0.00500	0.0200	1	01/29/10 15:22	SW846 6010B	10A3452
Copper	ND		mg/L	0.00210	0.0100	1	01/29/10 15:22	SW846 6010B	10A3452
Iron	ND		mg/L	0.0490	0.0500	1	01/29/10 15:22	SW846 6010B	10A3452
Lead	ND		mg/L	0.00210	0.00500	1	01/29/10 15:22	SW846 6010B	10A3452
Magnesium	ND		mg/L	0.0660	1.00	1	01/29/10 15:22	SW846 6010B	10A3452
Manganese	ND		mg/L	0.00100	0.0150	1	01/29/10 15:22	SW846 6010B	10A3452
Nickel	ND		mg/L	0.00230	0.0100	1	01/29/10 15:22	SW846 6010B	10A3452
Potassium	ND		mg/L	0.100	1.00	1	01/29/10 15:22	SW846 6010B	10A3452
Selenium	ND		mg/L	0.00390	0.0100	1	01/29/10 15:22	SW846 6010B	10A3452
Silver	ND		mg/L	0.00280	0.00500	1	01/29/10 15:22	SW846 6010B	10A3452
Sodium	ND		mg/L	0.820	1.00	1	01/29/10 15:22	SW846 6010B	10A3452
Thallium	ND		mg/L	0.00630	0.0100	1	01/29/10 15:22	SW846 6010B	10A3452
Vanadium	ND		mg/L	0.00500	0.0200	1	01/29/10 15:22	SW846 6010B	10A3452
Zinc	0.0113		mg/L	0.00500	0.0500	1	01/29/10 15:22	SW846 6010B	10A3452
Mercury by EPA Methods 7470A/7471A									
Mercury	ND		mg/L	0.000100	0.000200	1	02/03/10 14:12	SW846 7470A	10B0215
Volatile Organic Compounds by EPA Method 8260B									
Acetone	ND		ug/L	25.0	50.0	1	02/01/10 19:58	SW846 8260B	10B0358
Benzene	ND		ug/L	0.410	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Bromochloromethane	ND		ug/L	0.470	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Bromodichloromethane	ND		ug/L	0.270	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Bromoform	ND		ug/L	0.430	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Bromomethane	ND		ug/L	0.300	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
2-Butanone	ND		ug/L	2.10	50.0	1	02/01/10 19:58	SW846 8260B	10B0358
Carbon disulfide	ND		ug/L	0.360	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Carbon Tetrachloride	ND		ug/L	0.330	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Chlorobenzene	ND		ug/L	0.220	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Chlorodibromomethane	ND		ug/L	0.260	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Chloroethane	ND		ug/L	0.460	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Chloroform	ND		ug/L	0.250	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Chloromethane	ND		ug/L	0.390	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Cyclohexane	ND		ug/L	0.230	5.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,2-Dibromo-3-chloropropane	ND		ug/L	0.860	5.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,2-Dibromoethane (EDB)	ND		ug/L	0.460	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Methylcyclohexane	ND		ug/L	0.280	5.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,2-Dichlorobenzene	ND		ug/L	0.400	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,3-Dichlorobenzene	ND		ug/L	0.320	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,4-Dichlorobenzene	ND		ug/L	0.430	1.00	1	02/01/10 19:58	SW846 8260B	10B0358



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-05 (LF-RB-01 - Water) - cont. Sampled: 01/25/10 15:50</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Dichlorodifluoromethane	ND		ug/L	0.190	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,2-Dichloroethane	ND		ug/L	0.350	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,1-Dichloroethane	ND		ug/L	0.340	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,1-Dichloroethene	ND		ug/L	0.220	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
trans-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,1,2-Trifluorotrichloroethane	ND		ug/L	0.270	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
cis-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,2-Dichloropropane	ND		ug/L	0.240	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
trans-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
cis-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Ethylbenzene	ND		ug/L	0.350	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
2-Hexanone	ND		ug/L	1.40	50.0	1	02/01/10 19:58	SW846 8260B	10B0358
Isopropylbenzene	ND		ug/L	0.400	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Methyl Acetate	ND	L	ug/L	0.690	10.0	1	02/01/10 19:58	SW846 8260B	10B0358
Methyl tert-Butyl Ether	ND		ug/L	0.320	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Methylene Chloride	ND		ug/L	0.480	5.00	1	02/01/10 19:58	SW846 8260B	10B0358
4-Methyl-2-pentanone	ND		ug/L	1.40	10.0	1	02/01/10 19:58	SW846 8260B	10B0358
Styrene	ND		ug/L	0.260	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,1,2,2-Tetrachloroethane	ND		ug/L	0.360	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Tetrachloroethene	ND		ug/L	0.320	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Toluene	ND		ug/L	0.350	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,2,4-Trichlorobenzene	ND		ug/L	0.360	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,2,3-Trichlorobenzene	ND		ug/L	0.270	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,1,1-Trichloroethane	ND		ug/L	0.190	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
1,1,2-Trichloroethane	ND		ug/L	0.320	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Trichloroethene	ND		ug/L	0.260	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Trichlorofluoromethane	ND		ug/L	0.220	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Vinyl chloride	ND		ug/L	0.220	1.00	1	02/01/10 19:58	SW846 8260B	10B0358
Xylenes, total	ND		ug/L	0.730	3.00	1	02/01/10 19:58	SW846 8260B	10B0358
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>99 %</i>					<i>1</i>	<i>02/01/10 19:58</i>	<i>SW846 8260B</i>	<i>10B0358</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>97 %</i>					<i>1</i>	<i>02/01/10 19:58</i>	<i>SW846 8260B</i>	<i>10B0358</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>95 %</i>					<i>1</i>	<i>02/01/10 19:58</i>	<i>SW846 8260B</i>	<i>10B0358</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>98 %</i>					<i>1</i>	<i>02/01/10 19:58</i>	<i>SW846 8260B</i>	<i>10B0358</i>
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Acenaphthylene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Acetophenone	ND		ug/L	2.00	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Anthracene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Atrazine	ND		ug/L	1.16	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Benzaldehyde	ND		ug/L	1.37	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Benzo (a) anthracene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Benzo (a) pyrene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Benzo (b) fluoranthene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Benzo (g,h,i) perylene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Benzo (k) fluoranthene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Biphenyl	ND		ug/L	1.68	10.5	1	01/29/10 00:43	SW846 8270C	10A3596

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-05 (LF-RB-01 - Water) - cont. Sampled: 01/25/10 15:50</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
4-Bromophenyl phenyl ether	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Butyl benzyl phthalate	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Caprolactam	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Carbazole	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
4-Chloro-3-methylphenol	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
4-Chloroaniline	ND		ug/L	4.74	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Bis(2-chloroethoxy)methane	ND		ug/L	3.89	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Bis(2-chloroethyl)ether	ND		ug/L	4.95	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Bis(2-chloroisopropyl)ether	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2-Chloronaphthalene	ND		ug/L	3.16	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2-Chlorophenol	ND		ug/L	2.63	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
4-Chlorophenyl phenyl ether	ND		ug/L	3.68	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Chrysene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Dibenz (a,h) anthracene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Dibenzofuran	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Di-n-butyl phthalate	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
3,3-Dichlorobenzidine	ND		ug/L	2.74	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2,6-Dichlorophenol	ND		ug/L	3.58	21.1	1	01/29/10 00:43	SW846 8270C	10A3596
2,4-Dichlorophenol	ND		ug/L	4.42	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Diethyl phthalate	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2,4-Dimethylphenol	ND		ug/L	4.32	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Dimethyl phthalate	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
4,6-Dinitro-2-methylphenol	ND		ug/L	3.47	26.3	1	01/29/10 00:43	SW846 8270C	10A3596
2,4-Dinitrophenol	ND		ug/L	3.58	26.3	1	01/29/10 00:43	SW846 8270C	10A3596
2,4-Dinitrotoluene	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2,6-Dinitrotoluene	ND		ug/L	3.58	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Di-n-octyl phthalate	ND		ug/L	3.37	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
1,2-Diphenylhydrazine	ND		ug/L	3.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Bis(2-ethylhexyl)phthalate	ND		ug/L	3.58	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Fluoranthene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Fluorene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Hexachlorobenzene	ND		ug/L	3.68	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Hexachlorobutadiene	ND		ug/L	4.95	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Hexachlorocyclopentadiene	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Hexachloroethane	ND		ug/L	6.21	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Indeno (1,2,3-cd) pyrene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Isophorone	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2-Methylnaphthalene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2-Methylphenol	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
3/4-Methylphenol	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Naphthalene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
4-Nitroaniline	ND		ug/L	3.47	26.3	1	01/29/10 00:43	SW846 8270C	10A3596
2-Nitroaniline	ND		ug/L	2.74	26.3	1	01/29/10 00:43	SW846 8270C	10A3596
3-Nitroaniline	ND		ug/L	3.47	26.3	1	01/29/10 00:43	SW846 8270C	10A3596
Nitrobenzene	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2-Nitrophenol	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
4-Nitrophenol	ND		ug/L	4.53	26.3	1	01/29/10 00:43	SW846 8270C	10A3596
N-Nitrosodiphenylamine	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-05 (LF-RB-01 - Water) - cont. Sampled: 01/25/10 15:50</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
N-Nitrosodi-n-propylamine	ND		ug/L	3.26	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Pentachlorophenol	ND		ug/L	3.47	26.3	1	01/29/10 00:43	SW846 8270C	10A3596
Phenanthrene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Phenol	ND		ug/L	3.47	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
Pyrene	ND		ug/L	1.05	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
1,2,4,5-Tetrachlorobenzene	ND		ug/L	1.79	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2,4,6-Trichlorophenol	ND		ug/L	3.89	10.5	1	01/29/10 00:43	SW846 8270C	10A3596
2,4,5-Trichlorophenol	ND		ug/L	3.47	26.3	1	01/29/10 00:43	SW846 8270C	10A3596
<i>Surr: 2-Fluorophenol (10-120%)</i>	<i>54 %</i>					<i>1</i>	<i>01/29/10 00:43</i>	<i>SW846 8270C</i>	<i>10A3596</i>
<i>Surr: Phenol-d5 (10-120%)</i>	<i>38 %</i>					<i>1</i>	<i>01/29/10 00:43</i>	<i>SW846 8270C</i>	<i>10A3596</i>
<i>Surr: Nitrobenzene-d5 (27-120%)</i>	<i>91 %</i>					<i>1</i>	<i>01/29/10 00:43</i>	<i>SW846 8270C</i>	<i>10A3596</i>
<i>Surr: 2-Fluorobiphenyl (29-120%)</i>	<i>94 %</i>					<i>1</i>	<i>01/29/10 00:43</i>	<i>SW846 8270C</i>	<i>10A3596</i>
<i>Surr: 2,4,6-Tribromophenol (29-132%)</i>	<i>95 %</i>					<i>1</i>	<i>01/29/10 00:43</i>	<i>SW846 8270C</i>	<i>10A3596</i>
<i>Surr: Terphenyl-d14 (13-120%)</i>	<i>104 %</i>					<i>1</i>	<i>01/29/10 00:43</i>	<i>SW846 8270C</i>	<i>10A3596</i>

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-06 (LF-SS-01 - Soil) Sampled: 01/20/10 16:20</b>								
Polychlorinated Biphenyls by EPA Method 8082								
PCB-1016	ND		mg/kg	0.0323	1	02/01/10 16:55	SW846 8082	10A3609
PCB-1221	ND		mg/kg	0.0323	1	02/01/10 16:55	SW846 8082	10A3609
PCB-1232	ND		mg/kg	0.0323	1	02/01/10 16:55	SW846 8082	10A3609
PCB-1242	<b>0.805</b>		mg/kg	0.0323	1	02/01/10 16:55	SW846 8082	10A3609
PCB-1248	ND		mg/kg	0.0323	1	02/01/10 16:55	SW846 8082	10A3609
PCB-1254	ND		mg/kg	0.0323	1	02/01/10 16:55	SW846 8082	10A3609
PCB-1260	ND		mg/kg	0.0323	1	02/01/10 16:55	SW846 8082	10A3609
<i>Surr: Tetrachloro-meta-xylene (19-147%)</i>	<i>54 %</i>					<i>02/01/10 16:55</i>	<i>SW846 8082</i>	<i>10A3609</i>
<i>Surr: Decachlorobiphenyl (20-150%)</i>	<i>90 %</i>					<i>02/01/10 16:55</i>	<i>SW846 8082</i>	<i>10A3609</i>



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Work Order: NTA1891  
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Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-06 (LF-SS-01 - Soil) - cont. Sampled: 01/20/10 16:20</b>									
Semivolatile Organic Compounds by EPA Method 8270C									
Acenaphthene	ND		mg/kg	0.0319	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Acenaphthylene	ND		mg/kg	0.0309	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Acetophenone	ND		mg/kg	0.0349	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Anthracene	<b>0.0562</b>		mg/kg	0.0329	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Atrazine	ND		mg/kg	0.0729	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Benzaldehyde	ND		mg/kg	0.297	1.67	1	01/31/10 19:33	SW846 8270C	10A3612
Benzo (a) anthracene	<b>0.135</b>		mg/kg	0.0379	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Benzo (b) fluoranthene	<b>0.139</b>		mg/kg	0.0300	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Benzo (a) pyrene	<b>0.130</b>		mg/kg	0.0300	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Benzo (g,h,i) perylene	<b>0.0809</b>		mg/kg	0.0300	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Benzo (k) fluoranthene	<b>0.130</b>		mg/kg	0.0300	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Biphenyl	ND		mg/kg	0.104	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
4-Bromophenyl phenyl ether	ND		mg/kg	0.0948	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Butyl benzyl phthalate	ND		mg/kg	0.0889	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
4-Chloro-3-methylphenol	ND		mg/kg	0.103	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
4-Chloroaniline	ND		mg/kg	0.244	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Caprolactam	ND		mg/kg	0.102	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Carbazole	ND		mg/kg	0.111	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
2-Chloronaphthalene	ND		mg/kg	0.0679	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Bis(2-chloroethoxy)methane	ND		mg/kg	0.110	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Bis(2-chloroethyl)ether	ND		mg/kg	0.135	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Bis(2-chloroisopropyl)ether	ND		mg/kg	0.102	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
2-Chlorophenol	ND		mg/kg	0.109	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
4-Chlorophenyl phenyl ether	ND		mg/kg	0.111	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Chrysene	<b>0.154</b>		mg/kg	0.0399	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Dibenz (a,h) anthracene	<b>0.0353</b>		mg/kg	0.0309	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Dibenzofuran	ND		mg/kg	0.0889	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Di-n-butyl phthalate	<b>0.114</b>		mg/kg	0.0859	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
3,3-Dichlorobenzidine	ND		mg/kg	0.251	0.666	1	01/31/10 19:33	SW846 8270C	10A3612
2,4-Dichlorophenol	ND		mg/kg	0.0869	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
2,6-Dichlorophenol	ND		mg/kg	0.148	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Diethyl phthalate	ND		mg/kg	0.0499	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
2,4-Dimethylphenol	ND		mg/kg	0.281	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Dimethyl phthalate	<b>0.462</b>		mg/kg	0.0879	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
4,6-Dinitro-2-methylphenol	ND		mg/kg	0.115	0.832	1	01/31/10 19:33	SW846 8270C	10A3612
2,4-Dinitrophenol	ND		mg/kg	0.135	0.832	1	01/31/10 19:33	SW846 8270C	10A3612
2,6-Dinitrotoluene	ND		mg/kg	0.0649	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
2,4-Dinitrotoluene	ND		mg/kg	0.0879	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Di-n-octyl phthalate	ND		mg/kg	0.0619	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Bis(2-ethylhexyl)phthalate	ND		mg/kg	0.111	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Fluoranthene	<b>0.371</b>		mg/kg	0.0339	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Fluorene	<b>0.0546</b>		mg/kg	0.0359	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Hexachlorobenzene	ND		mg/kg	0.0829	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Hexachlorobutadiene	ND		mg/kg	0.108	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Hexachlorocyclopentadiene	ND		mg/kg	0.111	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Hexachloroethane	ND		mg/kg	0.105	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Indeno (1,2,3-cd) pyrene	<b>0.0775</b>		mg/kg	0.0309	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Isophorone	ND		mg/kg	0.0679	0.332	1	01/31/10 19:33	SW846 8270C	10A3612

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-06 (LF-SS-01 - Soil) - cont. Sampled: 01/20/10 16:20</b>									
Semivolatile Organic Compounds by EPA Method 8270C - cont.									
2-Methylnaphthalene	ND		mg/kg	0.0329	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
2-Methylphenol	ND		mg/kg	0.134	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
3/4-Methylphenol	ND		mg/kg	0.155	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Naphthalene	ND		mg/kg	0.0409	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
2-Nitroaniline	ND		mg/kg	0.111	0.832	1	01/31/10 19:33	SW846 8270C	10A3612
3-Nitroaniline	ND		mg/kg	0.273	0.832	1	01/31/10 19:33	SW846 8270C	10A3612
4-Nitroaniline	ND		mg/kg	0.252	0.832	1	01/31/10 19:33	SW846 8270C	10A3612
Nitrobenzene	ND		mg/kg	0.106	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
2-Nitrophenol	ND		mg/kg	0.197	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
4-Nitrophenol	ND		mg/kg	0.276	0.832	1	01/31/10 19:33	SW846 8270C	10A3612
N-Nitrosodiphenylamine	ND		mg/kg	0.109	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
N-Nitrosodi-n-propylamine	ND		mg/kg	0.122	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Pentachlorophenol	ND		mg/kg	0.0779	0.832	1	01/31/10 19:33	SW846 8270C	10A3612
Phenanthrene	<b>0.331</b>		mg/kg	0.0339	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Phenol	ND		mg/kg	0.0619	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
Pyrene	<b>0.273</b>		mg/kg	0.0409	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
1,2,4,5-Tetrachlorobenzene	ND		mg/kg	0.0459	1.67	1	01/31/10 19:33	SW846 8270C	10A3612
2,4,5-Trichlorophenol	ND		mg/kg	0.0729	0.832	1	01/31/10 19:33	SW846 8270C	10A3612
2,4,6-Trichlorophenol	ND		mg/kg	0.0869	0.332	1	01/31/10 19:33	SW846 8270C	10A3612
<i>Surr: Phenol-d5 (18-120%)</i>	<i>58 %</i>					<i>1</i>	<i>01/31/10 19:33</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: 2-Fluorobiphenyl (14-120%)</i>	<i>31 %</i>					<i>1</i>	<i>01/31/10 19:33</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: Nitrobenzene-d5 (17-120%)</i>	<i>49 %</i>					<i>1</i>	<i>01/31/10 19:33</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: Terphenyl-d14 (18-120%)</i>	<i>48 %</i>					<i>1</i>	<i>01/31/10 19:33</i>	<i>SW846 8270C</i>	<i>10A3612</i>
<i>Surr: 2,4,6-Tribromophenol (19-120%)</i>	<i>59 %</i>					<i>1</i>	<i>01/31/10 19:33</i>	<i>SW846 8270C</i>	<i>10A3612</i>

## Sample ID: NTA1891-07 (LF-VAW-01 - Water) Sampled: 01/20/10 16:40

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	25.0	50.0	1	01/31/10 03:48	SW846 8260B	10A3723
Benzene	ND		ug/L	0.410	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Bromochloromethane	ND		ug/L	0.470	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Bromodichloromethane	ND		ug/L	0.270	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Bromoform	ND		ug/L	0.430	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Bromomethane	ND		ug/L	0.300	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
2-Butanone	ND		ug/L	2.10	50.0	1	01/31/10 03:48	SW846 8260B	10A3723
Carbon disulfide	<b>1.86</b>		ug/L	0.360	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Carbon Tetrachloride	ND		ug/L	0.330	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Chlorobenzene	ND		ug/L	0.220	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Chlorodibromomethane	ND		ug/L	0.260	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Chloroethane	ND		ug/L	0.460	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Chloroform	ND		ug/L	0.250	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Chloromethane	ND		ug/L	0.390	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Cyclohexane	ND		ug/L	0.230	5.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,2-Dibromo-3-chloropropane	ND		ug/L	0.860	5.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,2-Dibromoethane (EDB)	ND		ug/L	0.460	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Methylcyclohexane	ND		ug/L	0.280	5.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,2-Dichlorobenzene	ND		ug/L	0.400	1.00	1	01/31/10 03:48	SW846 8260B	10A3723

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-07 (LF-VAW-01 - Water) - cont. Sampled: 01/20/10 16:40</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
1,3-Dichlorobenzene	ND		ug/L	0.320	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,4-Dichlorobenzene	ND		ug/L	0.430	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Dichlorodifluoromethane	ND		ug/L	0.190	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,2-Dichloroethane	ND		ug/L	0.350	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,1-Dichloroethane	ND		ug/L	0.340	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,1-Dichloroethene	ND		ug/L	0.220	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
trans-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,1,2-Trifluorotrichloroethane	ND		ug/L	0.270	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
cis-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,2-Dichloropropane	ND		ug/L	0.240	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
trans-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
cis-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Ethylbenzene	ND		ug/L	0.350	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
2-Hexanone	ND		ug/L	1.40	50.0	1	01/31/10 03:48	SW846 8260B	10A3723
Isopropylbenzene	ND		ug/L	0.400	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Methyl Acetate	ND	L	ug/L	0.690	10.0	1	01/31/10 03:48	SW846 8260B	10A3723
Methyl tert-Butyl Ether	ND		ug/L	0.320	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Methylene Chloride	ND		ug/L	0.480	5.00	1	01/31/10 03:48	SW846 8260B	10A3723
4-Methyl-2-pentanone	ND		ug/L	1.40	10.0	1	01/31/10 03:48	SW846 8260B	10A3723
Styrene	ND		ug/L	0.260	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,1,2,2-Tetrachloroethane	ND		ug/L	0.360	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Tetrachloroethene	ND		ug/L	0.320	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Toluene	ND		ug/L	0.350	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,2,4-Trichlorobenzene	ND		ug/L	0.360	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,2,3-Trichlorobenzene	ND		ug/L	0.270	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,1,1-Trichloroethane	ND		ug/L	0.190	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
1,1,2-Trichloroethane	ND		ug/L	0.320	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Trichloroethene	ND		ug/L	0.260	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Trichlorofluoromethane	ND		ug/L	0.220	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Vinyl chloride	ND		ug/L	0.220	1.00	1	01/31/10 03:48	SW846 8260B	10A3723
Xylenes, total	ND		ug/L	0.730	3.00	1	01/31/10 03:48	SW846 8260B	10A3723
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>94 %</i>					<i>1</i>	<i>01/31/10 03:48</i>	<i>SW846 8260B</i>	<i>10A3723</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>104 %</i>					<i>1</i>	<i>01/31/10 03:48</i>	<i>SW846 8260B</i>	<i>10A3723</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>102 %</i>					<i>1</i>	<i>01/31/10 03:48</i>	<i>SW846 8260B</i>	<i>10A3723</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>100 %</i>					<i>1</i>	<i>01/31/10 03:48</i>	<i>SW846 8260B</i>	<i>10A3723</i>

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-08 (LF-VAW-01-DUP - Water) Sampled: 01/20/10 16:40</b>									
Volatile Organic Compounds by EPA Method 8260B									
Acetone	ND		ug/L	25.0	50.0	1	01/31/10 04:15	SW846 8260B	10A3723
Benzene	ND		ug/L	0.410	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Bromochloromethane	ND		ug/L	0.470	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Bromodichloromethane	ND		ug/L	0.270	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Bromoform	ND		ug/L	0.430	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Bromomethane	ND		ug/L	0.300	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
2-Butanone	ND		ug/L	2.10	50.0	1	01/31/10 04:15	SW846 8260B	10A3723
Carbon disulfide	<b>4.09</b>		ug/L	0.360	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Carbon Tetrachloride	ND		ug/L	0.330	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Chlorobenzene	ND		ug/L	0.220	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Chlorodibromomethane	ND		ug/L	0.260	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Chloroethane	ND		ug/L	0.460	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Chloroform	ND		ug/L	0.250	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Chloromethane	ND		ug/L	0.390	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Cyclohexane	ND		ug/L	0.230	5.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,2-Dibromo-3-chloropropane	ND		ug/L	0.860	5.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,2-Dibromoethane (EDB)	ND		ug/L	0.460	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Methylcyclohexane	ND		ug/L	0.280	5.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,2-Dichlorobenzene	ND		ug/L	0.400	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,3-Dichlorobenzene	ND		ug/L	0.320	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,4-Dichlorobenzene	ND		ug/L	0.430	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Dichlorodifluoromethane	ND		ug/L	0.190	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,2-Dichloroethane	ND		ug/L	0.350	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,1-Dichloroethane	ND		ug/L	0.340	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,1-Dichloroethene	ND		ug/L	0.220	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
trans-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,1,2-Trifluorotrichloroethane	ND		ug/L	0.270	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
cis-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,2-Dichloropropane	ND		ug/L	0.240	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
trans-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
cis-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Ethylbenzene	ND		ug/L	0.350	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
2-Hexanone	ND		ug/L	1.40	50.0	1	01/31/10 04:15	SW846 8260B	10A3723
Isopropylbenzene	ND		ug/L	0.400	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Methyl Acetate	ND	L	ug/L	0.690	10.0	1	01/31/10 04:15	SW846 8260B	10A3723
Methyl tert-Butyl Ether	ND		ug/L	0.320	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Methylene Chloride	ND		ug/L	0.480	5.00	1	01/31/10 04:15	SW846 8260B	10A3723
4-Methyl-2-pentanone	ND		ug/L	1.40	10.0	1	01/31/10 04:15	SW846 8260B	10A3723
Styrene	ND		ug/L	0.260	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,1,2,2-Tetrachloroethane	ND		ug/L	0.360	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Tetrachloroethene	ND		ug/L	0.320	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Toluene	ND		ug/L	0.350	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,2,4-Trichlorobenzene	ND		ug/L	0.360	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,2,3-Trichlorobenzene	ND		ug/L	0.270	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,1,1-Trichloroethane	ND		ug/L	0.190	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
1,1,2-Trichloroethane	ND		ug/L	0.320	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Trichloroethene	ND		ug/L	0.260	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Trichlorofluoromethane	ND		ug/L	0.220	1.00	1	01/31/10 04:15	SW846 8260B	10A3723



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-08 (LF-VAW-01-DUP - Water) - cont. Sampled: 01/20/10 16:40</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Vinyl chloride	ND		ug/L	0.220	1.00	1	01/31/10 04:15	SW846 8260B	10A3723
Xylenes, total	ND		ug/L	0.730	3.00	1	01/31/10 04:15	SW846 8260B	10A3723
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>95 %</i>					<i>1</i>	<i>01/31/10 04:15</i>	<i>SW846 8260B</i>	<i>10A3723</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>105 %</i>					<i>1</i>	<i>01/31/10 04:15</i>	<i>SW846 8260B</i>	<i>10A3723</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>101 %</i>					<i>1</i>	<i>01/31/10 04:15</i>	<i>SW846 8260B</i>	<i>10A3723</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>101 %</i>					<i>1</i>	<i>01/31/10 04:15</i>	<i>SW846 8260B</i>	<i>10A3723</i>

## Sample ID: NTA1891-09 (LF-VAW-02 - Water) Sampled: 01/20/10 10:20

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	25.0	50.0	1	01/31/10 04:42	SW846 8260B	10A3723
Benzene	ND		ug/L	0.410	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Bromochloromethane	ND		ug/L	0.470	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Bromodichloromethane	ND		ug/L	0.270	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Bromoform	ND		ug/L	0.430	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Bromomethane	ND		ug/L	0.300	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
2-Butanone	ND		ug/L	2.10	50.0	1	01/31/10 04:42	SW846 8260B	10A3723
Carbon disulfide	<b>716</b>		ug/L	3.60	10.0	10	02/02/10 15:02	SW846 8260B	10A3493
Carbon Tetrachloride	ND		ug/L	0.330	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Chlorobenzene	ND		ug/L	0.220	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Chlorodibromomethane	ND		ug/L	0.260	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Chloroethane	ND		ug/L	0.460	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Chloroform	ND		ug/L	0.250	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Chloromethane	ND		ug/L	0.390	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Cyclohexane	ND		ug/L	0.230	5.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,2-Dibromo-3-chloropropane	ND		ug/L	0.860	5.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,2-Dibromoethane (EDB)	ND		ug/L	0.460	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Methylcyclohexane	ND		ug/L	0.280	5.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,2-Dichlorobenzene	ND		ug/L	0.400	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,3-Dichlorobenzene	ND		ug/L	0.320	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,4-Dichlorobenzene	ND		ug/L	0.430	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Dichlorodifluoromethane	ND		ug/L	0.190	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,2-Dichloroethane	ND		ug/L	0.350	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,1-Dichloroethane	ND		ug/L	0.340	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,1-Dichloroethene	ND		ug/L	0.220	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
trans-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,1,2-Trifluoro-trichloroethane	ND		ug/L	0.270	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
cis-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,2-Dichloropropane	ND		ug/L	0.240	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
trans-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
cis-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Ethylbenzene	ND		ug/L	0.350	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
2-Hexanone	ND		ug/L	1.40	50.0	1	01/31/10 04:42	SW846 8260B	10A3723
Isopropylbenzene	ND		ug/L	0.400	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Methyl Acetate	ND	L	ug/L	0.690	10.0	1	01/31/10 04:42	SW846 8260B	10A3723
Methyl tert-Butyl Ether	ND		ug/L	0.320	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Methylene Chloride	ND		ug/L	0.480	5.00	1	01/31/10 04:42	SW846 8260B	10A3723
4-Methyl-2-pentanone	ND		ug/L	1.40	10.0	1	01/31/10 04:42	SW846 8260B	10A3723

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-09 (LF-VAW-02 - Water) - cont. Sampled: 01/20/10 10:20</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Styrene	ND		ug/L	0.260	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,1,2,2-Tetrachloroethane	ND		ug/L	0.360	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Tetrachloroethene	ND		ug/L	0.320	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Toluene	ND		ug/L	0.350	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,2,4-Trichlorobenzene	ND		ug/L	0.360	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,2,3-Trichlorobenzene	ND		ug/L	0.270	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,1,1-Trichloroethane	ND		ug/L	0.190	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
1,1,2-Trichloroethane	ND		ug/L	0.320	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Trichloroethene	ND		ug/L	0.260	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Trichlorofluoromethane	ND		ug/L	0.220	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Vinyl chloride	ND		ug/L	0.220	1.00	1	01/31/10 04:42	SW846 8260B	10A3723
Xylenes, total	ND		ug/L	0.730	3.00	1	01/31/10 04:42	SW846 8260B	10A3723
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>92 %</i>					<i>1</i>	<i>01/31/10 04:42</i>	<i>SW846 8260B</i>	<i>10A3723</i>
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>99 %</i>					<i>10</i>	<i>02/02/10 15:02</i>	<i>SW846 8260B</i>	<i>10A3493</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>99 %</i>					<i>1</i>	<i>01/31/10 04:42</i>	<i>SW846 8260B</i>	<i>10A3723</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>103 %</i>					<i>10</i>	<i>02/02/10 15:02</i>	<i>SW846 8260B</i>	<i>10A3493</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>100 %</i>					<i>1</i>	<i>01/31/10 04:42</i>	<i>SW846 8260B</i>	<i>10A3723</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>101 %</i>					<i>10</i>	<i>02/02/10 15:02</i>	<i>SW846 8260B</i>	<i>10A3493</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>101 %</i>					<i>1</i>	<i>01/31/10 04:42</i>	<i>SW846 8260B</i>	<i>10A3723</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>99 %</i>					<i>10</i>	<i>02/02/10 15:02</i>	<i>SW846 8260B</i>	<i>10A3493</i>

## Sample ID: NTA1891-10 (LF-VAW-03 - Water) Sampled: 01/20/10 14:50

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	25.0	50.0	1	02/02/10 14:35	SW846 8260B	10A3493
Benzene	ND		ug/L	0.410	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Bromochloromethane	ND		ug/L	0.470	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Bromodichloromethane	ND		ug/L	0.270	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Bromoform	ND		ug/L	0.430	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Bromomethane	ND		ug/L	0.300	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
2-Butanone	ND		ug/L	2.10	50.0	1	02/02/10 14:35	SW846 8260B	10A3493
Carbon disulfide	<b>0.850</b>		ug/L	0.360	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Carbon Tetrachloride	ND		ug/L	0.330	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Chlorobenzene	ND		ug/L	0.220	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Chlorodibromomethane	ND		ug/L	0.260	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Chloroethane	ND		ug/L	0.460	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Chloroform	ND		ug/L	0.250	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Chloromethane	ND		ug/L	0.390	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Cyclohexane	ND		ug/L	0.230	5.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,2-Dibromo-3-chloropropane	ND		ug/L	0.860	5.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,2-Dibromoethane (EDB)	ND		ug/L	0.460	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Methylcyclohexane	ND		ug/L	0.280	5.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,2-Dichlorobenzene	ND		ug/L	0.400	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,3-Dichlorobenzene	ND		ug/L	0.320	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,4-Dichlorobenzene	ND		ug/L	0.430	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Dichlorodifluoromethane	ND		ug/L	0.190	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,2-Dichloroethane	ND		ug/L	0.350	1.00	1	02/02/10 14:35	SW846 8260B	10A3493

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-10 (LF-VAW-03 - Water) - cont. Sampled: 01/20/10 14:50</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
1,1-Dichloroethane	ND		ug/L	0.340	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,1-Dichloroethene	ND		ug/L	0.220	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
trans-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,1,2-Trifluorotrichloroethane	ND		ug/L	0.270	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
cis-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,2-Dichloropropane	ND		ug/L	0.240	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
trans-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
cis-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Ethylbenzene	ND		ug/L	0.350	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
2-Hexanone	ND		ug/L	1.40	50.0	1	02/02/10 14:35	SW846 8260B	10A3493
Isopropylbenzene	ND		ug/L	0.400	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Methyl Acetate	ND	L	ug/L	0.690	10.0	1	02/02/10 14:35	SW846 8260B	10A3493
Methyl tert-Butyl Ether	ND		ug/L	0.320	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Methylene Chloride	ND		ug/L	0.480	5.00	1	02/02/10 14:35	SW846 8260B	10A3493
4-Methyl-2-pentanone	ND		ug/L	1.40	10.0	1	02/02/10 14:35	SW846 8260B	10A3493
Styrene	ND		ug/L	0.260	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,1,2,2-Tetrachloroethane	ND		ug/L	0.360	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Tetrachloroethene	ND		ug/L	0.320	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Toluene	ND		ug/L	0.350	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,2,4-Trichlorobenzene	ND		ug/L	0.360	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,2,3-Trichlorobenzene	ND		ug/L	0.270	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,1,1-Trichloroethane	ND		ug/L	0.190	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
1,1,2-Trichloroethane	ND		ug/L	0.320	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Trichloroethene	ND		ug/L	0.260	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Trichlorofluoromethane	ND		ug/L	0.220	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Vinyl chloride	ND		ug/L	0.220	1.00	1	02/02/10 14:35	SW846 8260B	10A3493
Xylenes, total	ND		ug/L	0.730	3.00	1	02/02/10 14:35	SW846 8260B	10A3493
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>100 %</i>					<i>1</i>	<i>02/02/10 14:35</i>	<i>SW846 8260B</i>	<i>10A3493</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>107 %</i>					<i>1</i>	<i>02/02/10 14:35</i>	<i>SW846 8260B</i>	<i>10A3493</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>100 %</i>					<i>1</i>	<i>02/02/10 14:35</i>	<i>SW846 8260B</i>	<i>10A3493</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>100 %</i>					<i>1</i>	<i>02/02/10 14:35</i>	<i>SW846 8260B</i>	<i>10A3493</i>

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-11 (LF-VSW-03 - Soil) Sampled: 01/20/10 14:50</b>									
Volatile Organic Compounds by EPA Method 8260B									
Acetone	0.243		mg/kg	0.0341	0.0681	1	02/01/10 20:11	SW846 8260B	10B0181
Benzene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Bromochloromethane	ND		mg/kg	0.00139	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Bromodichloromethane	ND		mg/kg	0.000545	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Bromoform	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Bromomethane	ND		mg/kg	0.000872	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
2-Butanone	ND		mg/kg	0.0232	0.0681	1	02/01/10 20:11	SW846 8260B	10B0181
Carbon disulfide	0.0117		mg/kg	0.000716	0.00534	1	02/02/10 16:04	SW846 8260B	10B0276
Carbon Tetrachloride	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Chlorobenzene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Chlorodibromomethane	ND		mg/kg	0.000518	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Chloroethane	ND		mg/kg	0.000572	0.00681	1	02/01/10 20:11	SW846 8260B	10B0181
Chloroform	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Chloromethane	ND		mg/kg	0.00136	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Cyclohexane	ND		mg/kg	0.000586	0.0136	1	02/01/10 20:11	SW846 8260B	10B0181
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.00463	0.00681	1	02/01/10 20:11	SW846 8260B	10B0181
1,2-Dibromoethane (EDB)	ND		mg/kg	0.000708	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Methylcyclohexane	ND		mg/kg	0.00450	0.0136	1	02/01/10 20:11	SW846 8260B	10B0181
1,2-Dichlorobenzene	ND		mg/kg	0.000586	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,3-Dichlorobenzene	ND		mg/kg	0.000586	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,4-Dichlorobenzene	ND		mg/kg	0.000981	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Dichlorodifluoromethane	ND		mg/kg	0.00218	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,2-Dichloroethane	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,1-Dichloroethane	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,1-Dichloroethene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
trans-1,2-Dichloroethene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,1,2-Trifluorotrichloroethane	ND		mg/kg	0.000804	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
cis-1,2-Dichloroethene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,2-Dichloropropane	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
trans-1,3-Dichloropropene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
cis-1,3-Dichloropropene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Ethylbenzene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
2-Hexanone	ND		mg/kg	0.0232	0.0681	1	02/01/10 20:11	SW846 8260B	10B0181
Isopropylbenzene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Methyl Acetate	ND	L	mg/kg	0.00272	0.0136	1	02/01/10 20:11	SW846 8260B	10B0181
Methyl tert-Butyl Ether	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Methylene Chloride	ND		mg/kg	0.00272	0.0136	1	02/01/10 20:11	SW846 8260B	10B0181
4-Methyl-2-pentanone	ND		mg/kg	0.00395	0.0681	1	02/01/10 20:11	SW846 8260B	10B0181
Styrene	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Tetrachloroethene	ND		mg/kg	0.000545	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Toluene	ND		mg/kg	0.000545	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,2,4-Trichlorobenzene	ND		mg/kg	0.00139	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,2,3-Trichlorobenzene	ND		mg/kg	0.00125	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,1,1-Trichloroethane	ND		mg/kg	0.000545	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
1,1,2-Trichloroethane	ND		mg/kg	0.00151	0.00681	1	02/01/10 20:11	SW846 8260B	10B0181
Trichloroethene	ND		mg/kg	0.00113	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Trichlorofluoromethane	ND		mg/kg	0.000913	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-11 (LF-VSW-03 - Soil) - cont. Sampled: 01/20/10 14:50</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Vinyl chloride	ND		mg/kg	0.00112	0.00272	1	02/01/10 20:11	SW846 8260B	10B0181
Xylenes, total	ND		mg/kg	0.00177	0.00681	1	02/01/10 20:11	SW846 8260B	10B0181
<i>Surr: 1,2-Dichloroethane-d4 (67-138%)</i>	<i>102 %</i>					<i>1</i>	<i>02/01/10 20:11</i>	<i>SW846 8260B</i>	<i>10B0181</i>
<i>Surr: 1,2-Dichloroethane-d4 (67-138%)</i>	<i>94 %</i>					<i>1</i>	<i>02/02/10 16:04</i>	<i>SW846 8260B</i>	<i>10B0276</i>
<i>Surr: Dibromofluoromethane (75-125%)</i>	<i>102 %</i>					<i>1</i>	<i>02/01/10 20:11</i>	<i>SW846 8260B</i>	<i>10B0181</i>
<i>Surr: Dibromofluoromethane (75-125%)</i>	<i>88 %</i>					<i>1</i>	<i>02/02/10 16:04</i>	<i>SW846 8260B</i>	<i>10B0276</i>
<i>Surr: Toluene-d8 (76-129%)</i>	<i>102 %</i>					<i>1</i>	<i>02/01/10 20:11</i>	<i>SW846 8260B</i>	<i>10B0181</i>
<i>Surr: Toluene-d8 (76-129%)</i>	<i>113 %</i>					<i>1</i>	<i>02/02/10 16:04</i>	<i>SW846 8260B</i>	<i>10B0276</i>
<i>Surr: 4-Bromofluorobenzene (67-147%)</i>	<i>104 %</i>					<i>1</i>	<i>02/01/10 20:11</i>	<i>SW846 8260B</i>	<i>10B0181</i>
<i>Surr: 4-Bromofluorobenzene (67-147%)</i>	<i>101 %</i>					<i>1</i>	<i>02/02/10 16:04</i>	<i>SW846 8260B</i>	<i>10B0276</i>

## Sample ID: NTA1891-12 (LF-VSW-06 - Soil) Sampled: 01/20/10 14:55

Volatile Organic Compounds by EPA Method 8260B

Acetone	0.157		mg/kg	0.0228	0.0456	1	02/01/10 20:41	SW846 8260B	10B0181
Benzene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Bromochloromethane	ND		mg/kg	0.000931	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Bromodichloromethane	ND		mg/kg	0.000365	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Bromoform	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Bromomethane	ND		mg/kg	0.000584	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
2-Butanone	ND		mg/kg	0.0155	0.0456	1	02/01/10 20:41	SW846 8260B	10B0181
Carbon disulfide	0.312	C8, E	mg/kg	0.000611	0.00456	1	02/01/10 20:41	SW846 8260B	10B0181
Carbon Tetrachloride	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Chlorobenzene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Chlorodibromomethane	ND		mg/kg	0.000347	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Chloroethane	ND		mg/kg	0.000383	0.00456	1	02/01/10 20:41	SW846 8260B	10B0181
Chloroform	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Chloromethane	ND		mg/kg	0.000912	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Cyclohexane	0.000438		mg/kg	0.000392	0.00912	1	02/01/10 20:41	SW846 8260B	10B0181
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.00310	0.00456	1	02/01/10 20:41	SW846 8260B	10B0181
1,2-Dibromoethane (EDB)	ND		mg/kg	0.000474	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Methylcyclohexane	ND		mg/kg	0.00301	0.00912	1	02/01/10 20:41	SW846 8260B	10B0181
1,2-Dichlorobenzene	ND		mg/kg	0.000392	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,3-Dichlorobenzene	ND		mg/kg	0.000392	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,4-Dichlorobenzene	ND		mg/kg	0.000657	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Dichlorodifluoromethane	ND		mg/kg	0.00146	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,2-Dichloroethane	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,1-Dichloroethane	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,1-Dichloroethene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
trans-1,2-Dichloroethene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,1,2-Trifluorotrichloroethane	ND		mg/kg	0.000538	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
cis-1,2-Dichloroethene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,2-Dichloropropane	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
trans-1,3-Dichloropropene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
cis-1,3-Dichloropropene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Ethylbenzene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
2-Hexanone	ND		mg/kg	0.0155	0.0456	1	02/01/10 20:41	SW846 8260B	10B0181

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-12 (LF-VSW-06 - Soil) - cont. Sampled: 01/20/10 14:55</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
Isopropylbenzene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Methyl Acetate	ND	L	mg/kg	0.00182	0.00912	1	02/01/10 20:41	SW846 8260B	10B0181
Methyl tert-Butyl Ether	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Methylene Chloride	ND		mg/kg	0.00182	0.00912	1	02/01/10 20:41	SW846 8260B	10B0181
4-Methyl-2-pentanone	ND		mg/kg	0.00265	0.0456	1	02/01/10 20:41	SW846 8260B	10B0181
Styrene	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Tetrachloroethene	ND		mg/kg	0.000365	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Toluene	<b>0.000456</b>		mg/kg	0.000365	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,2,4-Trichlorobenzene	ND		mg/kg	0.000931	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,2,3-Trichlorobenzene	ND		mg/kg	0.000839	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,1,1-Trichloroethane	ND		mg/kg	0.000365	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
1,1,2-Trichloroethane	ND		mg/kg	0.00101	0.00456	1	02/01/10 20:41	SW846 8260B	10B0181
Trichloroethene	ND		mg/kg	0.000757	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Trichlorofluoromethane	ND		mg/kg	0.000611	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Vinyl chloride	ND		mg/kg	0.000748	0.00182	1	02/01/10 20:41	SW846 8260B	10B0181
Xylenes, total	ND		mg/kg	0.00119	0.00456	1	02/01/10 20:41	SW846 8260B	10B0181
<i>Surr: 1,2-Dichloroethane-d4 (67-138%)</i>	<i>116 %</i>					<i>1</i>	<i>02/01/10 20:41</i>	<i>SW846 8260B</i>	<i>10B0181</i>
<i>Surr: Dibromofluoromethane (75-125%)</i>	<i>109 %</i>					<i>1</i>	<i>02/01/10 20:41</i>	<i>SW846 8260B</i>	<i>10B0181</i>
<i>Surr: Toluene-d8 (76-129%)</i>	<i>98 %</i>					<i>1</i>	<i>02/01/10 20:41</i>	<i>SW846 8260B</i>	<i>10B0181</i>
<i>Surr: 4-Bromofluorobenzene (67-147%)</i>	<i>105 %</i>					<i>1</i>	<i>02/01/10 20:41</i>	<i>SW846 8260B</i>	<i>10B0181</i>

## Sample ID: NTA1891-13 (Trip Blank - Water) Sampled: 01/20/10 00:01

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	25.0	50.0	1	02/01/10 17:21	SW846 8260B	10B0358
Benzene	ND		ug/L	0.410	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Bromochloromethane	ND		ug/L	0.470	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Bromodichloromethane	ND		ug/L	0.270	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Bromoform	ND		ug/L	0.430	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Bromomethane	ND		ug/L	0.300	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
2-Butanone	ND		ug/L	2.10	50.0	1	02/01/10 17:21	SW846 8260B	10B0358
Carbon disulfide	ND		ug/L	0.360	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Carbon Tetrachloride	ND		ug/L	0.330	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Chlorobenzene	ND		ug/L	0.220	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Chlorodibromomethane	ND		ug/L	0.260	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Chloroethane	ND		ug/L	0.460	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Chloroform	ND		ug/L	0.250	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Chloromethane	ND		ug/L	0.390	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Cyclohexane	ND		ug/L	0.230	5.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,2-Dibromo-3-chloropropane	ND		ug/L	0.860	5.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,2-Dibromoethane (EDB)	ND		ug/L	0.460	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Methylcyclohexane	ND		ug/L	0.280	5.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,2-Dichlorobenzene	ND		ug/L	0.400	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,3-Dichlorobenzene	ND		ug/L	0.320	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,4-Dichlorobenzene	ND		ug/L	0.430	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Dichlorodifluoromethane	ND		ug/L	0.190	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,2-Dichloroethane	ND		ug/L	0.350	1.00	1	02/01/10 17:21	SW846 8260B	10B0358

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NTA1891-13 (Trip Blank - Water) - cont. Sampled: 01/20/10 00:01</b>									
Volatile Organic Compounds by EPA Method 8260B - cont.									
1,1-Dichloroethane	ND		ug/L	0.340	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,1-Dichloroethene	ND		ug/L	0.220	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
trans-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,1,2-Trifluorotrichloroethane	ND		ug/L	0.270	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
cis-1,2-Dichloroethene	ND		ug/L	0.330	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,2-Dichloropropane	ND		ug/L	0.240	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
trans-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
cis-1,3-Dichloropropene	ND		ug/L	0.330	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Ethylbenzene	ND		ug/L	0.350	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
2-Hexanone	ND		ug/L	1.40	50.0	1	02/01/10 17:21	SW846 8260B	10B0358
Isopropylbenzene	ND		ug/L	0.400	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Methyl Acetate	ND	L	ug/L	0.690	10.0	1	02/01/10 17:21	SW846 8260B	10B0358
Methyl tert-Butyl Ether	ND		ug/L	0.320	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Methylene Chloride	ND		ug/L	0.480	5.00	1	02/01/10 17:21	SW846 8260B	10B0358
4-Methyl-2-pentanone	ND		ug/L	1.40	10.0	1	02/01/10 17:21	SW846 8260B	10B0358
Styrene	ND		ug/L	0.260	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,1,2,2-Tetrachloroethane	ND		ug/L	0.360	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Tetrachloroethene	ND		ug/L	0.320	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Toluene	ND		ug/L	0.350	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,2,4-Trichlorobenzene	ND		ug/L	0.360	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,2,3-Trichlorobenzene	ND		ug/L	0.270	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,1,1-Trichloroethane	ND		ug/L	0.190	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
1,1,2-Trichloroethane	ND		ug/L	0.320	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Trichloroethene	ND		ug/L	0.260	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Trichlorofluoromethane	ND		ug/L	0.220	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Vinyl chloride	ND		ug/L	0.220	1.00	1	02/01/10 17:21	SW846 8260B	10B0358
Xylenes, total	ND		ug/L	0.730	3.00	1	02/01/10 17:21	SW846 8260B	10B0358
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>97 %</i>					<i>1</i>	<i>02/01/10 17:21</i>	<i>SW846 8260B</i>	<i>10B0358</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>96 %</i>					<i>1</i>	<i>02/01/10 17:21</i>	<i>SW846 8260B</i>	<i>10B0358</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>94 %</i>					<i>1</i>	<i>02/01/10 17:21</i>	<i>SW846 8260B</i>	<i>10B0358</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>100 %</i>					<i>1</i>	<i>02/01/10 17:21</i>	<i>SW846 8260B</i>	<i>10B0358</i>

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

[illegible]



Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

[illegible]

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## SAMPLE EXTRACTION DATA

Volatile Organic Compounds by EPA Method 8260B

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol		Date	Analyst	Extraction Method
			Extracted	Extracted Vol			
SW846 8260B	10B0181	NTA1891-01RE1	5.25	5.00	01/20/10 10:40	JRL	EPA 5035
SW846 8260B	10A3560	NTA1891-02	5.04	5.00	01/20/10 10:55	JRL	EPA 5035
SW846 8260B	10B0181	NTA1891-02RE1	5.26	5.00	01/20/10 10:55	JRL	EPA 5035
SW846 8260B	10A3560	NTA1891-03	4.74	5.00	01/20/10 10:45	JRL	EPA 5035
SW846 8260B	10A3560	NTA1891-04	5.28	5.00	01/20/10 11:00	JRL	EPA 5035
SW846 8260B	10B0181	NTA1891-04RE1	5.06	5.00	01/20/10 11:00	JRL	EPA 5035
SW846 8260B	10B0181	NTA1891-11	3.67	5.00	01/20/10 14:50	JRL	EPA 5035
SW846 8260B	10B0276	NTA1891-11RE1	4.68	5.00	01/20/10 14:50	JRL	EPA 5035
SW846 8260B	10B0181	NTA1891-12	5.48	5.00	01/20/10 14:55	JRL	EPA 5035
SW846 8260B	10B0276	NTA1891-12RE1	4.83	5.00	01/20/10 14:55	JRL	EPA 5035

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>Total Metals by EPA Method 6010B</b>						
<b>10A3452-BLK1</b>						
Aluminum	<0.0540		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Antimony	<0.00210		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Arsenic	<0.00360		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Barium	<0.00100		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Beryllium	<0.00100		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Cadmium	<0.000600		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Calcium	<0.100		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Chromium	<0.00260		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Cobalt	<0.00500		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Copper	<0.00210		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Iron	<0.0490		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Lead	<0.00210		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Magnesium	<0.0660		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Manganese	<0.00100		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Nickel	<0.00230		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Potassium	<0.100		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Selenium	<0.00390		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Silver	<0.00280		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Sodium	<0.820		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Thallium	<0.00630		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Vanadium	<0.00500		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25
Zinc	<0.00500		mg/L	10A3452	10A3452-BLK1	01/29/10 14:25

### 10A3624-BLK1

Aluminum	<5.92		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Antimony	<0.485		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Arsenic	<0.680		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Barium	0.252		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Beryllium	<0.0971		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Cadmium	<0.194		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Calcium	<4.56		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Chromium	<0.485		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Cobalt	<0.874		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Copper	<0.485		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Iron	<9.61		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Lead	0.388		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Magnesium	<3.69		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Manganese	<0.485		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Nickel	<0.680		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Potassium	<49.5		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Selenium	<0.680		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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#### Total Metals by EPA Method 6010B

##### 10A3624-BLK1

Silver	<0.485		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Sodium	<158		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Thallium	<1.55		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Vanadium	<1.07		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23
Zinc	<0.777		mg/kg	10A3624	10A3624-BLK1	01/29/10 11:23

#### Mercury by EPA Methods 7470A/7471A

##### 10A3578-BLK1

Mercury	<0.0400		mg/kg	10A3578	10A3578-BLK1	02/03/10 09:20
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##### 10B0215-BLK1

Mercury	<0.000100		mg/L	10B0215	10B0215-BLK1	02/03/10 13:42
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#### Polychlorinated Biphenyls by EPA Method 8082

##### 10A3609-BLK1

PCB-1016	<0.0190		mg/kg	10A3609	10A3609-BLK1	01/29/10 16:31
PCB-1221	<0.0110		mg/kg	10A3609	10A3609-BLK1	01/29/10 16:31
PCB-1232	<0.0200		mg/kg	10A3609	10A3609-BLK1	01/29/10 16:31
PCB-1242	<0.0140		mg/kg	10A3609	10A3609-BLK1	01/29/10 16:31
PCB-1248	<0.0110		mg/kg	10A3609	10A3609-BLK1	01/29/10 16:31
PCB-1254	<0.0190		mg/kg	10A3609	10A3609-BLK1	01/29/10 16:31
PCB-1260	<0.0140		mg/kg	10A3609	10A3609-BLK1	01/29/10 16:31
Surrogate: Tetrachloro-meta-xylene	106%			10A3609	10A3609-BLK1	01/29/10 16:31
Surrogate: Decachlorobiphenyl	98%			10A3609	10A3609-BLK1	01/29/10 16:31

#### Volatile Organic Compounds by EPA Method 8260B

##### 10A3493-BLK1

Acetone	<25.0		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Benzene	<0.410		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Bromochloromethane	<0.470		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Bromodichloromethane	<0.270		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Bromoform	<0.430		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Bromomethane	<0.300		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
2-Butanone	<2.10		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Carbon disulfide	<0.360		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Carbon Tetrachloride	<0.330		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Chlorobenzene	<0.220		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Chlorodibromomethane	<0.260		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Chloroethane	<0.460		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Chloroform	0.440		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Chloromethane	<0.390		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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#### Volatile Organic Compounds by EPA Method 8260B

##### 10A3493-BLK1

Cyclohexane	<0.230		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
1,2-Dibromo-3-chloropropane	<0.860		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
1,2-Dibromoethane (EDB)	<0.460		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Methylcyclohexane	<0.280		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
1,2-Dichlorobenzene	<0.400		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
1,3-Dichlorobenzene	<0.320		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
1,4-Dichlorobenzene	<0.430		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Dichlorodifluoromethane	<0.190		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
1,2-Dichloroethane	<0.350		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
1,1-Dichloroethane	<0.340		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
1,1-Dichloroethene	<0.220		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
trans-1,2-Dichloroethene	<0.330		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
1,1,2-Trifluorotrichloroethane	<0.270		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
cis-1,2-Dichloroethene	<0.330		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
1,2-Dichloropropane	<0.240		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
trans-1,3-Dichloropropene	<0.330		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
cis-1,3-Dichloropropene	<0.330		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Ethylbenzene	<0.350		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
2-Hexanone	<1.40		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Isopropylbenzene	<0.400		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Methyl Acetate	<0.690		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Methyl tert-Butyl Ether	<0.320		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Methylene Chloride	<0.480		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
4-Methyl-2-pentanone	<1.40		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Styrene	<0.260		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
1,1,2,2-Tetrachloroethane	<0.360		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Tetrachloroethene	<0.320		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Toluene	<0.350		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
1,2,4-Trichlorobenzene	<0.360		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
1,2,3-Trichlorobenzene	<0.270		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
1,1,1-Trichloroethane	<0.190		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
1,1,2-Trichloroethane	<0.320		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Trichloroethene	<0.260		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Trichlorofluoromethane	<0.220		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Vinyl chloride	<0.220		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Xylenes, total	<0.730		ug/L	10A3493	10A3493-BLK1	02/02/10 14:08
Surrogate: 1,2-Dichloroethane-d4	98%			10A3493	10A3493-BLK1	02/02/10 14:08
Surrogate: Dibromofluoromethane	107%			10A3493	10A3493-BLK1	02/02/10 14:08
Surrogate: Toluene-d8	101%			10A3493	10A3493-BLK1	02/02/10 14:08
Surrogate: 4-Bromofluorobenzene	99%			10A3493	10A3493-BLK1	02/02/10 14:08

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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#### Volatile Organic Compounds by EPA Method 8260B

##### 10A3560-BLK1

Acetone	<0.0250		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Benzene	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Bromochloromethane	<0.00102		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Bromodichloromethane	<0.000400		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Bromoform	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Bromomethane	<0.000640		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
2-Butanone	<0.0170		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Carbon disulfide	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Carbon Tetrachloride	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Chlorobenzene	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Chlorodibromomethane	<0.000380		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Chloroethane	<0.000420		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Chloroform	0.00879		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Chloromethane	<0.00100		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Cyclohexane	<0.000430		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
1,2-Dibromo-3-chloropropane	<0.00340		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
1,2-Dibromoethane (EDB)	<0.000520		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Methylcyclohexane	<0.00330		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
1,2-Dichlorobenzene	<0.000430		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
1,3-Dichlorobenzene	<0.000430		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
1,4-Dichlorobenzene	<0.000720		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Dichlorodifluoromethane	<0.00160		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
1,2-Dichloroethane	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
1,1-Dichloroethane	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
1,1-Dichloroethene	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
trans-1,2-Dichloroethene	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
1,1,2-Trifluorotrichloroethane	<0.000590		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
cis-1,2-Dichloroethene	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
1,2-Dichloropropane	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
trans-1,3-Dichloropropene	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
cis-1,3-Dichloropropene	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Ethylbenzene	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
2-Hexanone	<0.0170		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Isopropylbenzene	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Methyl Acetate	<0.00200		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Methyl tert-Butyl Ether	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Methylene Chloride	0.00376		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
4-Methyl-2-pentanone	<0.00290		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Styrene	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
1,1,2,2-Tetrachloroethane	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Tetrachloroethene	<0.000400		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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#### Volatile Organic Compounds by EPA Method 8260B

##### 10A3560-BLK1

Toluene	<0.000400		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
1,2,4-Trichlorobenzene	<0.00102		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
1,2,3-Trichlorobenzene	<0.000920		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
1,1,1-Trichloroethane	<0.000400		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
1,1,2-Trichloroethane	<0.00111		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Trichloroethene	<0.000830		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Trichlorofluoromethane	<0.000670		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Vinyl chloride	<0.000820		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Xylenes, total	<0.00130		mg/kg	10A3560	10A3560-BLK1	01/30/10 12:31
Surrogate: 1,2-Dichloroethane-d4	99%			10A3560	10A3560-BLK1	01/30/10 12:31
Surrogate: Dibromofluoromethane	102%			10A3560	10A3560-BLK1	01/30/10 12:31
Surrogate: Toluene-d8	100%			10A3560	10A3560-BLK1	01/30/10 12:31
Surrogate: 4-Bromofluorobenzene	98%			10A3560	10A3560-BLK1	01/30/10 12:31

##### 10A3723-BLK1

Acetone	<25.0		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Benzene	<0.410		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Bromochloromethane	<0.470		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Bromodichloromethane	<0.270		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Bromoform	<0.430		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Bromomethane	<0.300		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
2-Butanone	<2.10		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Carbon disulfide	<0.360		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Carbon Tetrachloride	<0.330		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Chlorobenzene	<0.220		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Chlorodibromomethane	<0.260		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Chloroethane	<0.460		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Chloroform	<0.250		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Chloromethane	<0.390		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Cyclohexane	<0.230		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
1,2-Dibromo-3-chloropropane	<0.860		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
1,2-Dibromoethane (EDB)	<0.460		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Methylcyclohexane	<0.280		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
1,2-Dichlorobenzene	<0.400		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
1,3-Dichlorobenzene	<0.320		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
1,4-Dichlorobenzene	<0.430		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Dichlorodifluoromethane	<0.190		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
1,2-Dichloroethane	<0.350		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
1,1-Dichloroethane	<0.340		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
1,1-Dichloroethene	<0.220		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
trans-1,2-Dichloroethene	<0.330		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
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Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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#### Volatile Organic Compounds by EPA Method 8260B

##### 10A3723-BLK1

1,1,2-Trifluorotrichloroethane	<0.270		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
cis-1,2-Dichloroethene	<0.330		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
1,2-Dichloropropane	<0.240		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
trans-1,3-Dichloropropene	<0.330		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
cis-1,3-Dichloropropene	<0.330		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Ethylbenzene	<0.350		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
2-Hexanone	<1.40		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Isopropylbenzene	<0.400		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Methyl Acetate	<0.690		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Methyl tert-Butyl Ether	<0.320		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Methylene Chloride	2.24		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
4-Methyl-2-pentanone	<1.40		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Styrene	<0.260		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
1,1,2,2-Tetrachloroethane	<0.360		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Tetrachloroethene	<0.320		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Toluene	<0.350		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
1,2,4-Trichlorobenzene	<0.360		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
1,2,3-Trichlorobenzene	0.330		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
1,1,1-Trichloroethane	<0.190		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
1,1,2-Trichloroethane	<0.320		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Trichloroethene	<0.260		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Trichlorofluoromethane	<0.220		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Vinyl chloride	<0.220		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Xylenes, total	<0.730		ug/L	10A3723	10A3723-BLK1	01/31/10 00:38
Surrogate: 1,2-Dichloroethane-d4	95%			10A3723	10A3723-BLK1	01/31/10 00:38
Surrogate: Dibromofluoromethane	105%			10A3723	10A3723-BLK1	01/31/10 00:38
Surrogate: Toluene-d8	101%			10A3723	10A3723-BLK1	01/31/10 00:38
Surrogate: 4-Bromofluorobenzene	101%			10A3723	10A3723-BLK1	01/31/10 00:38

##### 10B0181-BLK1

Acetone	<0.0250		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Benzene	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Bromochloromethane	<0.00102		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Bromodichloromethane	<0.000400		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Bromoform	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Bromomethane	<0.000640		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
2-Butanone	<0.0170		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Carbon disulfide	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Carbon Tetrachloride	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Chlorobenzene	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Chlorodibromomethane	<0.000380		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Work Order: NTA1891  
Project Name: Liberty Fibers  
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Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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#### Volatile Organic Compounds by EPA Method 8260B

##### 10B0181-BLK1

Chloroethane	<0.000420		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Chloroform	0.00992		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Chloromethane	<0.00100		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Cyclohexane	<0.000430		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
1,2-Dibromo-3-chloropropane	<0.00340		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
1,2-Dibromoethane (EDB)	<0.000520		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Methylcyclohexane	<0.00330		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
1,2-Dichlorobenzene	<0.000430		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
1,3-Dichlorobenzene	<0.000430		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
1,4-Dichlorobenzene	<0.000720		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Dichlorodifluoromethane	<0.00160		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
1,2-Dichloroethane	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
1,1-Dichloroethane	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
1,1-Dichloroethene	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
trans-1,2-Dichloroethene	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
1,1,2-Trifluorotrichloroethane	<0.000590		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
cis-1,2-Dichloroethene	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
1,2-Dichloropropane	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
trans-1,3-Dichloropropene	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
cis-1,3-Dichloropropene	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Ethylbenzene	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
2-Hexanone	<0.0170		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Isopropylbenzene	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Methyl Acetate	<0.00200		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Methyl tert-Butyl Ether	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Methylene Chloride	0.00470		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
4-Methyl-2-pentanone	<0.00290		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Styrene	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
1,1,2,2-Tetrachloroethane	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Tetrachloroethene	<0.000400		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Toluene	<0.000400		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
1,2,4-Trichlorobenzene	<0.00102		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
1,2,3-Trichlorobenzene	<0.000920		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
1,1,1-Trichloroethane	<0.000400		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
1,1,2-Trichloroethane	<0.00111		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Trichloroethene	<0.000830		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Trichlorofluoromethane	<0.000670		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Vinyl chloride	<0.000820		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Xylenes, total	<0.00130		mg/kg	10B0181	10B0181-BLK1	02/01/10 15:05
Surrogate: 1,2-Dichloroethane-d4	99%			10B0181	10B0181-BLK1	02/01/10 15:05
Surrogate: Dibromofluoromethane	104%			10B0181	10B0181-BLK1	02/01/10 15:05

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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#### Volatile Organic Compounds by EPA Method 8260B

##### 10B0181-BLK1

Surrogate: Toluene-d8	100%			10B0181	10B0181-BLK1	02/01/10 15:05
Surrogate: 4-Bromofluorobenzene	97%			10B0181	10B0181-BLK1	02/01/10 15:05

##### 10B0181-BLK2

Acetone	<1.25		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Benzene	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Bromochloromethane	<0.0510		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Bromodichloromethane	<0.0200		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Bromoform	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Bromomethane	0.266		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
2-Butanone	<0.850		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Carbon disulfide	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Carbon Tetrachloride	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Chlorobenzene	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Chlorodibromomethane	<0.0190		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Chloroethane	<0.0210		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Chloroform	0.0825		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Chloromethane	0.0520		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Cyclohexane	<0.0215		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
1,2-Dibromo-3-chloropropane	<0.170		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
1,2-Dibromoethane (EDB)	<0.0260		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Methylcyclohexane	<0.165		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
1,2-Dichlorobenzene	<0.0215		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
1,3-Dichlorobenzene	<0.0215		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
1,4-Dichlorobenzene	<0.0360		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Dichlorodifluoromethane	<0.0800		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
1,2-Dichloroethane	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
1,1-Dichloroethane	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
1,1-Dichloroethene	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
trans-1,2-Dichloroethene	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
1,1,2-Trifluorotrichloroethane	<0.0295		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
cis-1,2-Dichloroethene	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
1,2-Dichloropropane	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
trans-1,3-Dichloropropene	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
cis-1,3-Dichloropropene	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Ethylbenzene	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
2-Hexanone	<0.850		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Isopropylbenzene	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Methyl Acetate	<0.100		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Methyl tert-Butyl Ether	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Methylene Chloride	<0.100		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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#### Volatile Organic Compounds by EPA Method 8260B

##### 10B0181-BLK2

4-Methyl-2-pentanone	<0.145		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Styrene	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
1,1,2,2-Tetrachloroethane	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Tetrachloroethene	<0.0200		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Toluene	0.0780		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
1,2,4-Trichlorobenzene	<0.0510		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
1,2,3-Trichlorobenzene	<0.0460		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
1,1,1-Trichloroethane	<0.0200		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
1,1,2-Trichloroethane	<0.0555		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Trichloroethene	<0.0415		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Trichlorofluoromethane	<0.0335		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Vinyl chloride	<0.0410		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Xylenes, total	0.0760		mg/kg	10B0181	10B0181-BLK2	02/01/10 18:40
Surrogate: 1,2-Dichloroethane-d4	109%			10B0181	10B0181-BLK2	02/01/10 18:40
Surrogate: Dibromofluoromethane	106%			10B0181	10B0181-BLK2	02/01/10 18:40
Surrogate: Toluene-d8	98%			10B0181	10B0181-BLK2	02/01/10 18:40
Surrogate: 4-Bromofluorobenzene	100%			10B0181	10B0181-BLK2	02/01/10 18:40

##### 10B0276-BLK1

Acetone	<0.0250		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Benzene	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Bromochloromethane	<0.00102		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Bromodichloromethane	<0.000400		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Bromoform	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Bromomethane	<0.000640		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
2-Butanone	<0.0170		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Carbon disulfide	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Carbon Tetrachloride	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Chlorobenzene	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Chlorodibromomethane	<0.000380		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Chloroethane	<0.000420		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Chloroform	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Chloromethane	<0.00100		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Cyclohexane	<0.000430		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
1,2-Dibromo-3-chloropropane	<0.00340		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
1,2-Dibromoethane (EDB)	<0.000520		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Methylcyclohexane	<0.00330		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
1,2-Dichlorobenzene	<0.000430		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
1,3-Dichlorobenzene	<0.000430		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
1,4-Dichlorobenzene	<0.000720		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Dichlorodifluoromethane	<0.00160		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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#### Volatile Organic Compounds by EPA Method 8260B

##### 10B0276-BLK1

1,2-Dichloroethane	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
1,1-Dichloroethane	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
1,1-Dichloroethene	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
trans-1,2-Dichloroethene	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
1,1,2-Trifluorotrichloroethane	<0.000590		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
cis-1,2-Dichloroethene	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
1,2-Dichloropropane	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
trans-1,3-Dichloropropene	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
cis-1,3-Dichloropropene	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Ethylbenzene	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
2-Hexanone	<0.0170		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Isopropylbenzene	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Methyl Acetate	<0.00200		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Methyl tert-Butyl Ether	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Methylene Chloride	<0.00200		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
4-Methyl-2-pentanone	<0.00290		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Styrene	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
1,1,2,2-Tetrachloroethane	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Tetrachloroethene	<0.000400		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Toluene	<0.000400		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
1,2,4-Trichlorobenzene	<0.00102		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
1,2,3-Trichlorobenzene	<0.000920		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
1,1,1-Trichloroethane	<0.000400		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
1,1,2-Trichloroethane	<0.00111		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Trichloroethene	<0.000830		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Trichlorofluoromethane	<0.000670		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Vinyl chloride	<0.000820		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Xylenes, total	<0.00130		mg/kg	10B0276	10B0276-BLK1	02/02/10 14:49
Surrogate: 1,2-Dichloroethane-d4	97%			10B0276	10B0276-BLK1	02/02/10 14:49
Surrogate: Dibromofluoromethane	92%			10B0276	10B0276-BLK1	02/02/10 14:49
Surrogate: Toluene-d8	119%			10B0276	10B0276-BLK1	02/02/10 14:49
Surrogate: 4-Bromofluorobenzene	97%			10B0276	10B0276-BLK1	02/02/10 14:49

##### 10B0358-BLK1

Acetone	<25.0		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Benzene	<0.410		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Bromochloromethane	<0.470		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Bromodichloromethane	<0.270		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Bromoform	<0.430		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Bromomethane	<0.300		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
2-Butanone	<2.10		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>						
<b>10B0358-BLK1</b>						
Carbon disulfide	<0.360		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Carbon Tetrachloride	<0.330		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Chlorobenzene	<0.220		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Chlorodibromomethane	<0.260		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Chloroethane	<0.460		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Chloroform	<0.250		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Chloromethane	<0.390		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Cyclohexane	<0.230		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
1,2-Dibromo-3-chloropropane	<0.860		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
1,2-Dibromoethane (EDB)	<0.460		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Methylcyclohexane	<0.280		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
1,2-Dichlorobenzene	<0.400		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
1,3-Dichlorobenzene	<0.320		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
1,4-Dichlorobenzene	<0.430		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Dichlorodifluoromethane	<0.190		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
1,2-Dichloroethane	<0.350		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
1,1-Dichloroethane	<0.340		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
1,1-Dichloroethene	<0.220		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
trans-1,2-Dichloroethene	<0.330		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
1,1,2-Trifluorotrichloroethane	<0.270		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
cis-1,2-Dichloroethene	<0.330		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
1,2-Dichloropropane	<0.240		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
trans-1,3-Dichloropropene	<0.330		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
cis-1,3-Dichloropropene	<0.330		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Ethylbenzene	<0.350		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
2-Hexanone	<1.40		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Isopropylbenzene	<0.400		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Methyl Acetate	<0.690		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Methyl tert-Butyl Ether	<0.320		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Methylene Chloride	1.33		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
4-Methyl-2-pentanone	<1.40		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Styrene	<0.260		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
1,1,2,2-Tetrachloroethane	<0.360		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Tetrachloroethene	<0.320		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Toluene	<0.350		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
1,2,4-Trichlorobenzene	<0.360		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
1,2,3-Trichlorobenzene	<0.270		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
1,1,1-Trichloroethane	<0.190		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
1,1,2-Trichloroethane	<0.320		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Trichloroethene	<0.260		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Trichlorofluoromethane	<0.220		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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#### Volatile Organic Compounds by EPA Method 8260B

##### 10B0358-BLK1

Vinyl chloride	<0.220		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Xylenes, total	<0.730		ug/L	10B0358	10B0358-BLK1	02/01/10 15:11
Surrogate: 1,2-Dichloroethane-d4	99%			10B0358	10B0358-BLK1	02/01/10 15:11
Surrogate: Dibromofluoromethane	98%			10B0358	10B0358-BLK1	02/01/10 15:11
Surrogate: Toluene-d8	95%			10B0358	10B0358-BLK1	02/01/10 15:11
Surrogate: 4-Bromofluorobenzene	98%			10B0358	10B0358-BLK1	02/01/10 15:11

#### Semivolatile Organic Compounds by EPA Method 8270C

##### 10A3596-BLK1

Acenaphthene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Acenaphthylene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Acetophenone	<1.90		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Anthracene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Atrazine	<1.10		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Benzaldehyde	<1.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Benzo (a) anthracene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Benzo (a) pyrene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Benzo (b) fluoranthene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Benzo (g,h,i) perylene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Benzo (k) fluoranthene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Biphenyl	<1.60		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
4-Bromophenyl phenyl ether	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Butyl benzyl phthalate	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Caprolactam	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Carbazole	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
4-Chloro-3-methylphenol	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
4-Chloroaniline	<4.50		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Bis(2-chloroethoxy)methane	<3.70		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Bis(2-chloroethyl)ether	<4.70		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Bis(2-chloroisopropyl)ether	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
2-Chloronaphthalene	<3.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
2-Chlorophenol	<2.50		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
4-Chlorophenyl phenyl ether	<3.50		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Chrysene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Dibenz (a,h) anthracene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Dibenzofuran	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Di-n-butyl phthalate	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
3,3-Dichlorobenzidine	<2.60		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
2,6-Dichlorophenol	<3.40		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
2,4-Dichlorophenol	<4.20		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Diethyl phthalate	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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#### Semivolatile Organic Compounds by EPA Method 8270C

##### 10A3596-BLK1

2,4-Dimethylphenol	<4.10		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Dimethyl phthalate	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
4,6-Dinitro-2-methylphenol	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
2,4-Dinitrophenol	<3.40		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
2,4-Dinitrotoluene	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
2,6-Dinitrotoluene	<3.40		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Di-n-octyl phthalate	<3.20		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
1,2-Diphenylhydrazine	<2.90		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Bis(2-ethylhexyl)phthalate	<3.40		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Fluoranthene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Fluorene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Hexachlorobenzene	<3.50		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Hexachlorobutadiene	<4.70		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Hexachlorocyclopentadiene	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Hexachloroethane	<5.90		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Indeno (1,2,3-cd) pyrene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Isophorone	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
2-Methylnaphthalene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
2-Methylphenol	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
3/4-Methylphenol	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Naphthalene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
4-Nitroaniline	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
2-Nitroaniline	<2.60		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
3-Nitroaniline	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Nitrobenzene	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
2-Nitrophenol	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
4-Nitrophenol	<4.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
N-Nitrosodiphenylamine	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
N-Nitrosodi-n-propylamine	<3.10		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Pentachlorophenol	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Phenanthrene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Phenol	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Pyrene	<1.00		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
1,2,4,5-Tetrachlorobenzene	<1.70		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
2,4,6-Trichlorophenol	<3.70		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
2,4,5-Trichlorophenol	<3.30		ug/L	10A3596	10A3596-BLK1	01/28/10 20:16
Surrogate: 2-Fluorophenol	49%			10A3596	10A3596-BLK1	01/28/10 20:16
Surrogate: Phenol-d5	36%			10A3596	10A3596-BLK1	01/28/10 20:16
Surrogate: Nitrobenzene-d5	87%			10A3596	10A3596-BLK1	01/28/10 20:16
Surrogate: 2-Fluorobiphenyl	87%			10A3596	10A3596-BLK1	01/28/10 20:16
Surrogate: 2,4,6-Tribromophenol	84%			10A3596	10A3596-BLK1	01/28/10 20:16



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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#### Semivolatile Organic Compounds by EPA Method 8270C

##### 10A3596-BLK1

<i>Surrogate: Terphenyl-d14</i>	95%			10A3596	10A3596-BLK1	01/28/10 20:16
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##### 10A3612-BLK1

Acenaphthene	<0.0320		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Acenaphthylene	<0.0310		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Acetophenone	<0.0350		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Anthracene	<0.0330		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Atrazine	<0.0730		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Benzaldehyde	<0.297		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Benzo (a) anthracene	<0.0380		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Benzo (b) fluoranthene	<0.0300		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Benzo (a) pyrene	<0.0300		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Benzo (g,h,i) perylene	<0.0300		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Benzo (k) fluoranthene	<0.0300		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Biphenyl	<0.104		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
4-Bromophenyl phenyl ether	<0.0950		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Butyl benzyl phthalate	<0.0890		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
4-Chloro-3-methylphenol	<0.103		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
4-Chloroaniline	<0.244		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Caprolactam	<0.102		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Carbazole	<0.111		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
2-Chloronaphthalene	<0.0680		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Bis(2-chloroethoxy)methane	<0.110		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Bis(2-chloroethyl)ether	<0.135		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Bis(2-chloroisopropyl)ether	<0.102		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
2-Chlorophenol	<0.109		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
4-Chlorophenyl phenyl ether	<0.111		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Chrysene	<0.0400		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Dibenz (a,h) anthracene	<0.0310		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Dibenzofuran	<0.0890		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Di-n-butyl phthalate	<0.0860		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
3,3-Dichlorobenzidine	<0.251		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
2,4-Dichlorophenol	<0.0870		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
2,6-Dichlorophenol	<0.148		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Diethyl phthalate	<0.0500		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
2,4-Dimethylphenol	<0.281		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Dimethyl phthalate	<0.0880		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
4,6-Dinitro-2-methylphenol	<0.115		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
2,4-Dinitrophenol	<0.135		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
2,6-Dinitrotoluene	<0.0650		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
2,4-Dinitrotoluene	<0.0880		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>						
<b>10A3612-BLK1</b>						
Di-n-octyl phthalate	<0.0620		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Bis(2-ethylhexyl)phthalate	<0.111		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Fluoranthene	<0.0340		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Fluorene	<0.0360		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Hexachlorobenzene	<0.0830		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Hexachlorobutadiene	<0.108		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Hexachlorocyclopentadiene	<0.111		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Hexachloroethane	<0.105		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Isophorone	<0.0680		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
2-Methylnaphthalene	<0.0330		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
2-Methylphenol	<0.134		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
3/4-Methylphenol	<0.155		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Naphthalene	<0.0410		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
2-Nitroaniline	<0.111		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
3-Nitroaniline	<0.273		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
4-Nitroaniline	<0.252		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Nitrobenzene	<0.106		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
2-Nitrophenol	<0.197		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
4-Nitrophenol	<0.276		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
N-Nitrosodiphenylamine	<0.109		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
N-Nitrosodi-n-propylamine	<0.122		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Pentachlorophenol	<0.0780		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Phenanthrene	<0.0340		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Phenol	<0.0620		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Pyrene	<0.0410		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
1,2,4,5-Tetrachlorobenzene	<0.0460		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
2,4,5-Trichlorophenol	<0.0730		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
2,4,6-Trichlorophenol	<0.0870		mg/kg	10A3612	10A3612-BLK1	01/31/10 16:08
Surrogate: Phenol-d5	72%			10A3612	10A3612-BLK1	01/31/10 16:08
Surrogate: 2-Fluorobiphenyl	83%			10A3612	10A3612-BLK1	01/31/10 16:08
Surrogate: Nitrobenzene-d5	83%			10A3612	10A3612-BLK1	01/31/10 16:08
Surrogate: Terphenyl-d14	81%			10A3612	10A3612-BLK1	01/31/10 16:08
Surrogate: 2,4,6-Tribromophenol	69%			10A3612	10A3612-BLK1	01/31/10 16:08

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Total Metals by EPA Method 6010B</b>								
<b>10A3452-BS1</b>								
Aluminum	2.00	2.02		mg/L	101%	80 - 120	10A3452	01/29/10 14:28
Antimony	0.100	0.101		mg/L	101%	80 - 120	10A3452	01/29/10 14:28
Arsenic	0.0500	0.0432		mg/L	86%	80 - 120	10A3452	01/29/10 14:28
Barium	2.00	1.95		mg/L	97%	80 - 120	10A3452	01/29/10 14:28
Beryllium	0.0500	0.0477		mg/L	95%	80 - 120	10A3452	01/29/10 14:28
Cadmium	0.0500	0.0462		mg/L	92%	80 - 120	10A3452	01/29/10 14:28
Calcium	5.00	4.90		mg/L	98%	80 - 120	10A3452	01/29/10 14:28
Chromium	0.200	0.192		mg/L	96%	80 - 120	10A3452	01/29/10 14:28
Cobalt	0.500	0.467		mg/L	93%	80 - 120	10A3452	01/29/10 14:28
Copper	0.250	0.252		mg/L	101%	80 - 120	10A3452	01/29/10 14:28
Iron	1.00	1.02		mg/L	102%	80 - 120	10A3452	01/29/10 14:28
Lead	0.0500	0.0463		mg/L	93%	80 - 120	10A3452	01/29/10 14:28
Magnesium	5.00	4.84		mg/L	97%	80 - 120	10A3452	01/29/10 14:28
Manganese	0.500	0.512		mg/L	102%	80 - 120	10A3452	01/29/10 14:28
Nickel	0.500	0.502		mg/L	100%	80 - 120	10A3452	01/29/10 14:28
Potassium	5.00	4.62		mg/L	92%	80 - 120	10A3452	01/29/10 14:28
Selenium	0.0500	0.0483		mg/L	97%	80 - 120	10A3452	01/29/10 14:28
Silver	0.0500	0.0493		mg/L	99%	80 - 120	10A3452	01/29/10 14:28
Sodium	5.00	4.96		mg/L	99%	80 - 120	10A3452	01/29/10 14:28
Thallium	0.0500	0.0485		mg/L	97%	80 - 120	10A3452	01/29/10 14:28
Vanadium	0.500	0.502		mg/L	100%	80 - 120	10A3452	01/29/10 14:28
Zinc	0.500	0.493		mg/L	99%	80 - 120	10A3452	01/29/10 14:28
<b>10A3624-BS1</b>								
Aluminum	800	761	M4	mg/kg	95%	80 - 120	10A3624	01/29/10 11:37
Antimony	40.0	38.5		mg/kg	96%	80 - 120	10A3624	01/29/10 11:37
Arsenic	20.0	19.6		mg/kg	98%	80 - 120	10A3624	01/29/10 11:37
Barium	800	807		mg/kg	101%	80 - 120	10A3624	01/29/10 11:37
Beryllium	20.0	19.1		mg/kg	95%	80 - 120	10A3624	01/29/10 11:37
Cadmium	20.0	19.5		mg/kg	98%	80 - 120	10A3624	01/29/10 11:37
Calcium	2000	1950	M4	mg/kg	97%	80 - 120	10A3624	01/29/10 11:37
Chromium	80.0	80.4		mg/kg	100%	80 - 120	10A3624	01/29/10 11:37
Cobalt	200	202		mg/kg	101%	80 - 120	10A3624	01/29/10 11:37
Copper	100	101		mg/kg	101%	80 - 120	10A3624	01/29/10 11:37
Iron	400	404	M4	mg/kg	101%	80 - 120	10A3624	01/29/10 11:37
Lead	20.0	19.5		mg/kg	97%	80 - 120	10A3624	01/29/10 11:37
Magnesium	2000	1950		mg/kg	97%	80 - 120	10A3624	01/29/10 11:37
Manganese	200	202		mg/kg	101%	80 - 120	10A3624	01/29/10 11:37
Nickel	200	200		mg/kg	100%	80 - 120	10A3624	01/29/10 11:37
Potassium	2000	1960		mg/kg	98%	80 - 120	10A3624	01/29/10 11:37
Selenium	20.0	19.8		mg/kg	99%	80 - 120	10A3624	01/29/10 11:37

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Total Metals by EPA Method 6010B</b>								
<b>10A3624-BS1</b>								
Silver	20.0	19.2		mg/kg	96%	75 - 125	10A3624	01/29/10 11:37
Sodium	2000	1950		mg/kg	97%	80 - 120	10A3624	01/29/10 11:37
Thallium	20.0	18.1		mg/kg	90%	80 - 120	10A3624	01/29/10 11:37
Vanadium	200	198		mg/kg	99%	80 - 120	10A3624	01/29/10 11:37
Zinc	200	198		mg/kg	99%	80 - 120	10A3624	01/29/10 11:37
<b>Mercury by EPA Methods 7470A/7471A</b>								
<b>10A3578-BS1</b>								
Mercury	0.167	0.156		mg/kg	94%	80 - 120	10A3578	02/03/10 09:22
<b>10B0215-BS1</b>								
Mercury	0.00100	0.000937		mg/L	94%	80 - 120	10B0215	02/03/10 13:44
<b>Polychlorinated Biphenyls by EPA Method 8082</b>								
<b>10A3609-BS1</b>								
PCB-1248	0.167	0.164		mg/kg	98%	44 - 139	10A3609	01/29/10 17:32
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.0167	0.0187			112%	19 - 147	10A3609	01/29/10 17:32
<i>Surrogate: Decachlorobiphenyl</i>	0.0167	0.0177			106%	20 - 150	10A3609	01/29/10 17:32
<b>Volatile Organic Compounds by EPA Method 8260B</b>								
<b>10A3493-BS1</b>								
Acetone	250	306		ug/L	122%	56 - 150	10A3493	02/02/10 12:19
Benzene	50.0	49.4		ug/L	99%	80 - 121	10A3493	02/02/10 12:19
Bromochloromethane	50.0	47.5		ug/L	95%	73 - 137	10A3493	02/02/10 12:19
Bromodichloromethane	50.0	50.1		ug/L	100%	75 - 131	10A3493	02/02/10 12:19
Bromoform	50.0	56.0		ug/L	112%	65 - 140	10A3493	02/02/10 12:19
Bromomethane	50.0	49.8		ug/L	100%	50 - 150	10A3493	02/02/10 12:19
2-Butanone	250	266		ug/L	107%	70 - 144	10A3493	02/02/10 12:19
Carbon disulfide	50.0	44.4		ug/L	89%	74 - 137	10A3493	02/02/10 12:19
Carbon Tetrachloride	50.0	49.5		ug/L	99%	71 - 137	10A3493	02/02/10 12:19
Chlorobenzene	50.0	50.5		ug/L	101%	80 - 121	10A3493	02/02/10 12:19
Chlorodibromomethane	50.0	51.8		ug/L	104%	68 - 137	10A3493	02/02/10 12:19
Chloroethane	50.0	53.3		ug/L	107%	50 - 146	10A3493	02/02/10 12:19
Chloroform	50.0	49.5		ug/L	99%	73 - 131	10A3493	02/02/10 12:19
Chloromethane	50.0	29.2		ug/L	58%	30 - 132	10A3493	02/02/10 12:19
Cyclohexane	50.0	48.2		ug/L	96%	58 - 136	10A3493	02/02/10 12:19
1,2-Dibromo-3-chloropropane	50.0	54.9		ug/L	110%	56 - 145	10A3493	02/02/10 12:19
1,2-Dibromoethane (EDB)	50.0	52.4		ug/L	105%	80 - 135	10A3493	02/02/10 12:19
Methylcyclohexane	50.0	51.2		ug/L	102%	64 - 131	10A3493	02/02/10 12:19
1,2-Dichlorobenzene	50.0	55.2		ug/L	110%	80 - 125	10A3493	02/02/10 12:19
1,3-Dichlorobenzene	50.0	53.1		ug/L	106%	80 - 128	10A3493	02/02/10 12:19



Client Tetra Tech EMI (7797)  
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Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>								
<b>10A3493-BS1</b>								
1,4-Dichlorobenzene	50.0	50.0		ug/L	100%	80 - 120	10A3493	02/02/10 12:19
Dichlorodifluoromethane	50.0	48.9		ug/L	98%	30 - 132	10A3493	02/02/10 12:19
1,2-Dichloroethane	50.0	46.6		ug/L	93%	70 - 134	10A3493	02/02/10 12:19
1,1-Dichloroethane	50.0	46.8		ug/L	94%	75 - 125	10A3493	02/02/10 12:19
1,1-Dichloroethene	50.0	47.4		ug/L	95%	73 - 125	10A3493	02/02/10 12:19
trans-1,2-Dichloroethene	50.0	45.7		ug/L	91%	77 - 125	10A3493	02/02/10 12:19
1,1,2-Trifluorotrichloroethane	50.0	48.9		ug/L	98%	73 - 134	10A3493	02/02/10 12:19
cis-1,2-Dichloroethene	50.0	47.1		ug/L	94%	71 - 132	10A3493	02/02/10 12:19
1,2-Dichloropropane	50.0	47.7		ug/L	95%	72 - 120	10A3493	02/02/10 12:19
trans-1,3-Dichloropropene	50.0	51.4		ug/L	103%	62 - 139	10A3493	02/02/10 12:19
cis-1,3-Dichloropropene	50.0	55.5		ug/L	111%	70 - 140	10A3493	02/02/10 12:19
Ethylbenzene	50.0	50.0		ug/L	100%	78 - 133	10A3493	02/02/10 12:19
2-Hexanone	250	259		ug/L	103%	60 - 150	10A3493	02/02/10 12:19
Isopropylbenzene	50.0	53.6		ug/L	107%	69 - 120	10A3493	02/02/10 12:19
Methyl Acetate	50.0	77.9	L1	ug/L	156%	43 - 127	10A3493	02/02/10 12:19
Methyl tert-Butyl Ether	50.0	48.6		ug/L	97%	76 - 120	10A3493	02/02/10 12:19
Methylene Chloride	50.0	48.4		ug/L	97%	80 - 133	10A3493	02/02/10 12:19
4-Methyl-2-pentanone	250	254		ug/L	102%	62 - 146	10A3493	02/02/10 12:19
Styrene	50.0	54.3		ug/L	109%	80 - 136	10A3493	02/02/10 12:19
1,1,2,2-Tetrachloroethane	50.0	54.5		ug/L	109%	73 - 131	10A3493	02/02/10 12:19
Tetrachloroethene	50.0	52.4		ug/L	105%	77 - 131	10A3493	02/02/10 12:19
Toluene	50.0	49.2		ug/L	98%	78 - 125	10A3493	02/02/10 12:19
1,2,4-Trichlorobenzene	50.0	61.9		ug/L	124%	74 - 136	10A3493	02/02/10 12:19
1,2,3-Trichlorobenzene	50.0	60.6		ug/L	121%	71 - 138	10A3493	02/02/10 12:19
1,1,1-Trichloroethane	50.0	50.0		ug/L	100%	75 - 137	10A3493	02/02/10 12:19
1,1,2-Trichloroethane	50.0	50.2		ug/L	100%	80 - 123	10A3493	02/02/10 12:19
Trichloroethene	50.0	54.8		ug/L	110%	74 - 139	10A3493	02/02/10 12:19
Trichlorofluoromethane	50.0	43.2		ug/L	86%	60 - 133	10A3493	02/02/10 12:19
Vinyl chloride	50.0	50.7		ug/L	101%	60 - 122	10A3493	02/02/10 12:19
Xylenes, total	150	151		ug/L	100%	78 - 134	10A3493	02/02/10 12:19
<i>Surrogate: 1,2-Dichloroethane-d4</i>	25.0	22.8			91%	63 - 140	10A3493	02/02/10 12:19
<i>Surrogate: Dibromofluoromethane</i>	25.0	24.3			97%	73 - 131	10A3493	02/02/10 12:19
<i>Surrogate: Toluene-d8</i>	25.0	24.0			96%	80 - 120	10A3493	02/02/10 12:19
<i>Surrogate: 4-Bromofluorobenzene</i>	25.0	25.5			102%	79 - 125	10A3493	02/02/10 12:19
<b>10A3560-BS1</b>								
Acetone	250	244		ug/kg	98%	60 - 150	10A3560	01/30/10 10:30
Benzene	50.0	53.0		ug/kg	106%	78 - 126	10A3560	01/30/10 10:30
Bromochloromethane	50.0	56.0		ug/kg	112%	78 - 126	10A3560	01/30/10 10:30
Bromodichloromethane	50.0	49.7		ug/kg	99%	75 - 129	10A3560	01/30/10 10:30
Bromoform	50.0	53.6		ug/kg	107%	74 - 133	10A3560	01/30/10 10:30

Client Tetra Tech EMI (7797)  
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Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>								
<b>10A3560-BS1</b>								
Bromomethane	50.0	48.3	B	ug/kg	97%	50 - 150	10A3560	01/30/10 10:30
2-Butanone	250	254		ug/kg	101%	68 - 149	10A3560	01/30/10 10:30
Carbon disulfide	50.0	59.9		ug/kg	120%	80 - 132	10A3560	01/30/10 10:30
Carbon Tetrachloride	50.0	56.0		ug/kg	112%	70 - 138	10A3560	01/30/10 10:30
Chlorobenzene	50.0	50.4		ug/kg	101%	80 - 123	10A3560	01/30/10 10:30
Chlorodibromomethane	50.0	52.6		ug/kg	105%	80 - 127	10A3560	01/30/10 10:30
Chloroethane	50.0	46.6		ug/kg	93%	55 - 150	10A3560	01/30/10 10:30
Chloroform	50.0	57.0		ug/kg	114%	70 - 127	10A3560	01/30/10 10:30
Chloromethane	50.0	50.2		ug/kg	100%	36 - 137	10A3560	01/30/10 10:30
Cyclohexane	50.0	55.1		ug/kg	110%	67 - 126	10A3560	01/30/10 10:30
1,2-Dibromo-3-chloropropane	50.0	44.0	L	ug/kg	88%	62 - 150	10A3560	01/30/10 10:30
1,2-Dibromoethane (EDB)	50.0	53.2		ug/kg	106%	80 - 131	10A3560	01/30/10 10:30
Methylcyclohexane	50.0	54.4		ug/kg	109%	74 - 122	10A3560	01/30/10 10:30
1,2-Dichlorobenzene	50.0	51.6		ug/kg	103%	80 - 127	10A3560	01/30/10 10:30
1,3-Dichlorobenzene	50.0	52.0		ug/kg	104%	80 - 131	10A3560	01/30/10 10:30
1,4-Dichlorobenzene	50.0	51.7		ug/kg	103%	80 - 129	10A3560	01/30/10 10:30
Dichlorodifluoromethane	50.0	61.8		ug/kg	124%	30 - 150	10A3560	01/30/10 10:30
1,2-Dichloroethane	50.0	50.4		ug/kg	101%	70 - 139	10A3560	01/30/10 10:30
1,1-Dichloroethane	50.0	51.2		ug/kg	102%	71 - 126	10A3560	01/30/10 10:30
1,1-Dichloroethene	50.0	54.4		ug/kg	109%	70 - 125	10A3560	01/30/10 10:30
trans-1,2-Dichloroethene	50.0	52.0		ug/kg	104%	73 - 128	10A3560	01/30/10 10:30
1,1,2-Trifluorotrichloroethane	50.0	57.7		ug/kg	115%	61 - 134	10A3560	01/30/10 10:30
cis-1,2-Dichloroethene	50.0	51.1		ug/kg	102%	75 - 126	10A3560	01/30/10 10:30
1,2-Dichloropropane	50.0	48.1		ug/kg	96%	75 - 120	10A3560	01/30/10 10:30
trans-1,3-Dichloropropene	50.0	47.2		ug/kg	94%	73 - 128	10A3560	01/30/10 10:30
cis-1,3-Dichloropropene	50.0	48.1		ug/kg	96%	74 - 136	10A3560	01/30/10 10:30
Ethylbenzene	50.0	52.0		ug/kg	104%	79 - 130	10A3560	01/30/10 10:30
2-Hexanone	250	237		ug/kg	95%	65 - 150	10A3560	01/30/10 10:30
Isopropylbenzene	50.0	53.7		ug/kg	107%	65 - 121	10A3560	01/30/10 10:30
Methyl Acetate	50.0	119		ug/kg	238%	11 - 150	10A3560	01/30/10 10:30
Methyl tert-Butyl Ether	50.0	51.4		ug/kg	103%	70 - 128	10A3560	01/30/10 10:30
Methylene Chloride	50.0	51.4		ug/kg	103%	69 - 140	10A3560	01/30/10 10:30
4-Methyl-2-pentanone	250	263		ug/kg	105%	67 - 147	10A3560	01/30/10 10:30
Styrene	50.0	54.0		ug/kg	108%	80 - 140	10A3560	01/30/10 10:30
1,1,2,2-Tetrachloroethane	50.0	50.6		ug/kg	101%	75 - 135	10A3560	01/30/10 10:30
Tetrachloroethene	50.0	54.4		ug/kg	109%	76 - 130	10A3560	01/30/10 10:30
Toluene	50.0	50.0		ug/kg	100%	76 - 126	10A3560	01/30/10 10:30
1,2,4-Trichlorobenzene	50.0	58.2		ug/kg	116%	64 - 150	10A3560	01/30/10 10:30
1,2,3-Trichlorobenzene	50.0	55.4		ug/kg	111%	75 - 150	10A3560	01/30/10 10:30
1,1,1-Trichloroethane	50.0	52.7		ug/kg	105%	70 - 132	10A3560	01/30/10 10:30
1,1,2-Trichloroethane	50.0	51.3		ug/kg	103%	73 - 133	10A3560	01/30/10 10:30

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>								
<b>10A3560-BS1</b>								
Trichloroethene	50.0	52.3		ug/kg	105%	79 - 129	10A3560	01/30/10 10:30
Trichlorofluoromethane	50.0	47.1		ug/kg	94%	52 - 148	10A3560	01/30/10 10:30
Vinyl chloride	50.0	51.6		ug/kg	103%	53 - 142	10A3560	01/30/10 10:30
Xylenes, total	150	156		ug/kg	104%	80 - 130	10A3560	01/30/10 10:30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	50.0	49.7			99%	67 - 138	10A3560	01/30/10 10:30
<i>Surrogate: Dibromofluoromethane</i>	50.0	50.9			102%	75 - 125	10A3560	01/30/10 10:30
<i>Surrogate: Toluene-d8</i>	50.0	50.0			100%	76 - 129	10A3560	01/30/10 10:30
<i>Surrogate: 4-Bromofluorobenzene</i>	50.0	49.6			99%	67 - 147	10A3560	01/30/10 10:30
<b>10A3723-BS1</b>								
Acetone	250	292		ug/L	117%	56 - 150	10A3723	01/30/10 21:00
Benzene	50.0	49.6		ug/L	99%	80 - 121	10A3723	01/30/10 21:00
Bromochloromethane	50.0	48.0		ug/L	96%	73 - 137	10A3723	01/30/10 21:00
Bromodichloromethane	50.0	49.8		ug/L	100%	75 - 131	10A3723	01/30/10 21:00
Bromoform	50.0	54.6		ug/L	109%	65 - 140	10A3723	01/30/10 21:00
Bromomethane	50.0	47.6		ug/L	95%	50 - 150	10A3723	01/30/10 21:00
2-Butanone	250	260		ug/L	104%	70 - 144	10A3723	01/30/10 21:00
tert-Butylbenzene	50.0	57.6		ug/L	115%	76 - 135	10A3723	01/30/10 21:00
n-Butylbenzene	50.0	55.2		ug/L	110%	68 - 140	10A3723	01/30/10 21:00
sec-Butylbenzene	50.0	55.4		ug/L	111%	72 - 140	10A3723	01/30/10 21:00
Carbon disulfide	50.0	43.0		ug/L	86%	74 - 137	10A3723	01/30/10 21:00
Carbon Tetrachloride	50.0	48.1		ug/L	96%	71 - 137	10A3723	01/30/10 21:00
Chlorobenzene	50.0	51.0		ug/L	102%	80 - 121	10A3723	01/30/10 21:00
Chlorodibromomethane	50.0	51.6		ug/L	103%	68 - 137	10A3723	01/30/10 21:00
Chloroethane	50.0	53.9		ug/L	108%	50 - 146	10A3723	01/30/10 21:00
Chloroform	50.0	52.7		ug/L	105%	73 - 131	10A3723	01/30/10 21:00
Chloromethane	50.0	28.4		ug/L	57%	30 - 132	10A3723	01/30/10 21:00
Cyclohexane	50.0	46.9		ug/L	94%	58 - 136	10A3723	01/30/10 21:00
1,2-Dibromo-3-chloropropane	50.0	54.4		ug/L	109%	56 - 145	10A3723	01/30/10 21:00
1,2-Dibromoethane (EDB)	50.0	55.8		ug/L	112%	80 - 135	10A3723	01/30/10 21:00
Methylcyclohexane	50.0	48.6		ug/L	97%	64 - 131	10A3723	01/30/10 21:00
1,2-Dichlorobenzene	50.0	57.2		ug/L	114%	80 - 125	10A3723	01/30/10 21:00
1,3-Dichlorobenzene	50.0	54.4		ug/L	109%	80 - 128	10A3723	01/30/10 21:00
1,4-Dichlorobenzene	50.0	50.8		ug/L	102%	80 - 120	10A3723	01/30/10 21:00
Dichlorodifluoromethane	50.0	41.4		ug/L	83%	30 - 132	10A3723	01/30/10 21:00
1,2-Dichloroethane	50.0	46.8		ug/L	94%	70 - 134	10A3723	01/30/10 21:00
1,1-Dichloroethane	50.0	47.8		ug/L	96%	75 - 125	10A3723	01/30/10 21:00
1,1-Dichloroethene	50.0	46.2		ug/L	92%	73 - 125	10A3723	01/30/10 21:00
trans-1,2-Dichloroethene	50.0	45.6		ug/L	91%	77 - 125	10A3723	01/30/10 21:00
1,1,2-Trifluorotrichloroethane	50.0	47.2		ug/L	94%	73 - 134	10A3723	01/30/10 21:00
cis-1,2-Dichloroethene	50.0	46.8		ug/L	94%	71 - 132	10A3723	01/30/10 21:00

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>								
<b>10A3723-BS1</b>								
1,2-Dichloropropane	50.0	48.5		ug/L	97%	72 - 120	10A3723	01/30/10 21:00
trans-1,3-Dichloropropene	50.0	51.4		ug/L	103%	62 - 139	10A3723	01/30/10 21:00
cis-1,3-Dichloropropene	50.0	56.0		ug/L	112%	70 - 140	10A3723	01/30/10 21:00
Ethylbenzene	50.0	50.2		ug/L	100%	78 - 133	10A3723	01/30/10 21:00
2-Hexanone	250	254		ug/L	101%	60 - 150	10A3723	01/30/10 21:00
Isopropylbenzene	50.0	53.2		ug/L	106%	69 - 120	10A3723	01/30/10 21:00
p-Isopropyltoluene	50.0	53.4		ug/L	107%	72 - 134	10A3723	01/30/10 21:00
Methyl Acetate	50.0	74.9	L	ug/L	150%	43 - 127	10A3723	01/30/10 21:00
Methyl tert-Butyl Ether	50.0	48.6		ug/L	97%	76 - 120	10A3723	01/30/10 21:00
Methylene Chloride	50.0	51.8		ug/L	104%	80 - 133	10A3723	01/30/10 21:00
4-Methyl-2-pentanone	250	256		ug/L	102%	62 - 146	10A3723	01/30/10 21:00
Naphthalene	50.0	59.3		ug/L	119%	71 - 139	10A3723	01/30/10 21:00
n-Propylbenzene	50.0	53.0		ug/L	106%	70 - 143	10A3723	01/30/10 21:00
Styrene	50.0	54.9		ug/L	110%	80 - 136	10A3723	01/30/10 21:00
1,1,2,2-Tetrachloroethane	50.0	52.5		ug/L	105%	73 - 131	10A3723	01/30/10 21:00
Tetrachloroethene	50.0	51.4		ug/L	103%	77 - 131	10A3723	01/30/10 21:00
Toluene	50.0	49.4		ug/L	99%	78 - 125	10A3723	01/30/10 21:00
1,2,4-Trichlorobenzene	50.0	62.4		ug/L	125%	74 - 136	10A3723	01/30/10 21:00
1,2,3-Trichlorobenzene	50.0	61.6		ug/L	123%	71 - 138	10A3723	01/30/10 21:00
1,1,1-Trichloroethane	50.0	49.3		ug/L	99%	75 - 137	10A3723	01/30/10 21:00
1,1,2-Trichloroethane	50.0	50.8		ug/L	102%	80 - 123	10A3723	01/30/10 21:00
Trichloroethene	50.0	56.4		ug/L	113%	74 - 139	10A3723	01/30/10 21:00
Trichlorofluoromethane	50.0	42.0		ug/L	84%	60 - 133	10A3723	01/30/10 21:00
1,3,5-Trimethylbenzene	50.0	54.7		ug/L	109%	75 - 134	10A3723	01/30/10 21:00
1,2,4-Trimethylbenzene	50.0	55.1		ug/L	110%	77 - 134	10A3723	01/30/10 21:00
Vinyl chloride	50.0	49.4		ug/L	99%	60 - 122	10A3723	01/30/10 21:00
o-Xylene	50.0	52.0		ug/L	104%	66 - 150	10A3723	01/30/10 21:00
m,p-Xylene	100	99.2		ug/L	99%	78 - 132	10A3723	01/30/10 21:00
Xylenes, total	150	151		ug/L	101%	78 - 134	10A3723	01/30/10 21:00
<i>Surrogate: 1,2-Dichloroethane-d4</i>	25.0	22.3			89%	63 - 140	10A3723	01/30/10 21:00
<i>Surrogate: Dibromofluoromethane</i>	25.0	24.1			96%	73 - 131	10A3723	01/30/10 21:00
<i>Surrogate: Toluene-d8</i>	25.0	24.0			96%	80 - 120	10A3723	01/30/10 21:00
<i>Surrogate: 4-Bromofluorobenzene</i>	25.0	26.0			104%	79 - 125	10A3723	01/30/10 21:00
<b>10B0181-BS1</b>								
Acetone	250	235		ug/kg	94%	60 - 150	10B0181	02/01/10 13:03
Benzene	50.0	54.7		ug/kg	109%	78 - 126	10B0181	02/01/10 13:03
Bromochloromethane	50.0	56.6		ug/kg	113%	78 - 126	10B0181	02/01/10 13:03
Bromodichloromethane	50.0	51.0		ug/kg	102%	75 - 129	10B0181	02/01/10 13:03
Bromoform	50.0	53.0		ug/kg	106%	74 - 133	10B0181	02/01/10 13:03
Bromomethane	50.0	48.2	B	ug/kg	96%	50 - 150	10B0181	02/01/10 13:03



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>								
<b>10B0181-BS1</b>								
2-Butanone	250	244	B	ug/kg	97%	68 - 149	10B0181	02/01/10 13:03
Carbon disulfide	50.0	56.7		ug/kg	113%	80 - 132	10B0181	02/01/10 13:03
Carbon Tetrachloride	50.0	59.9		ug/kg	120%	70 - 138	10B0181	02/01/10 13:03
Chlorobenzene	50.0	53.6		ug/kg	107%	80 - 123	10B0181	02/01/10 13:03
Chlorodibromomethane	50.0	55.3		ug/kg	111%	80 - 127	10B0181	02/01/10 13:03
Chloroethane	50.0	47.7		ug/kg	95%	55 - 150	10B0181	02/01/10 13:03
Chloroform	50.0	51.7		ug/kg	103%	70 - 127	10B0181	02/01/10 13:03
Chloromethane	50.0	45.4		ug/kg	91%	36 - 137	10B0181	02/01/10 13:03
Cyclohexane	50.0	54.6		ug/kg	109%	67 - 126	10B0181	02/01/10 13:03
1,2-Dibromo-3-chloropropane	50.0	43.3		ug/kg	87%	62 - 150	10B0181	02/01/10 13:03
1,2-Dibromoethane (EDB)	50.0	53.8		ug/kg	108%	80 - 131	10B0181	02/01/10 13:03
Methylcyclohexane	50.0	53.8		ug/kg	108%	74 - 122	10B0181	02/01/10 13:03
1,2-Dichlorobenzene	50.0	52.8		ug/kg	106%	80 - 127	10B0181	02/01/10 13:03
1,3-Dichlorobenzene	50.0	53.8		ug/kg	108%	80 - 131	10B0181	02/01/10 13:03
1,4-Dichlorobenzene	50.0	52.9		ug/kg	106%	80 - 129	10B0181	02/01/10 13:03
Dichlorodifluoromethane	50.0	42.5	L	ug/kg	85%	30 - 150	10B0181	02/01/10 13:03
1,2-Dichloroethane	50.0	51.2		ug/kg	102%	70 - 139	10B0181	02/01/10 13:03
1,1-Dichloroethane	50.0	53.5		ug/kg	107%	71 - 126	10B0181	02/01/10 13:03
1,1-Dichloroethene	50.0	52.7		ug/kg	105%	70 - 125	10B0181	02/01/10 13:03
trans-1,2-Dichloroethene	50.0	53.3		ug/kg	107%	73 - 128	10B0181	02/01/10 13:03
1,1,2-Trifluorotrichloroethane	50.0	54.6		ug/kg	109%	61 - 134	10B0181	02/01/10 13:03
cis-1,2-Dichloroethene	50.0	54.1		ug/kg	108%	75 - 126	10B0181	02/01/10 13:03
1,2-Dichloropropane	50.0	50.0		ug/kg	100%	75 - 120	10B0181	02/01/10 13:03
trans-1,3-Dichloropropene	50.0	48.3		ug/kg	97%	73 - 128	10B0181	02/01/10 13:03
cis-1,3-Dichloropropene	50.0	50.1		ug/kg	100%	74 - 136	10B0181	02/01/10 13:03
Ethylbenzene	50.0	54.5		ug/kg	109%	79 - 130	10B0181	02/01/10 13:03
2-Hexanone	250	222		ug/kg	89%	65 - 150	10B0181	02/01/10 13:03
Isopropylbenzene	50.0	57.1		ug/kg	114%	65 - 121	10B0181	02/01/10 13:03
Methyl Acetate	50.0	112		ug/kg	224%	11 - 150	10B0181	02/01/10 13:03
Methyl tert-Butyl Ether	50.0	53.2		ug/kg	106%	70 - 128	10B0181	02/01/10 13:03
Methylene Chloride	50.0	50.5		ug/kg	101%	69 - 140	10B0181	02/01/10 13:03
4-Methyl-2-pentanone	250	259		ug/kg	103%	67 - 147	10B0181	02/01/10 13:03
Styrene	50.0	57.2		ug/kg	114%	80 - 140	10B0181	02/01/10 13:03
1,1,2,2-Tetrachloroethane	50.0	51.4		ug/kg	103%	75 - 135	10B0181	02/01/10 13:03
Tetrachloroethene	50.0	57.5		ug/kg	115%	76 - 130	10B0181	02/01/10 13:03
Toluene	50.0	53.2		ug/kg	106%	76 - 126	10B0181	02/01/10 13:03
1,2,4-Trichlorobenzene	50.0	56.3		ug/kg	113%	64 - 150	10B0181	02/01/10 13:03
1,2,3-Trichlorobenzene	50.0	53.2		ug/kg	106%	75 - 150	10B0181	02/01/10 13:03
1,1,1-Trichloroethane	50.0	55.5		ug/kg	111%	70 - 132	10B0181	02/01/10 13:03
1,1,2-Trichloroethane	50.0	53.1		ug/kg	106%	73 - 133	10B0181	02/01/10 13:03
Trichloroethene	50.0	55.0		ug/kg	110%	79 - 129	10B0181	02/01/10 13:03

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>								
<b>10B0181-BS1</b>								
Trichlorofluoromethane	50.0	47.0		ug/kg	94%	52 - 148	10B0181	02/01/10 13:03
Vinyl chloride	50.0	49.2		ug/kg	98%	53 - 142	10B0181	02/01/10 13:03
Xylenes, total	150	165		ug/kg	110%	80 - 130	10B0181	02/01/10 13:03
Surrogate: 1,2-Dichloroethane-d4	50.0	47.7			95%	67 - 138	10B0181	02/01/10 13:03
Surrogate: Dibromofluoromethane	50.0	49.9			100%	75 - 125	10B0181	02/01/10 13:03
Surrogate: Toluene-d8	50.0	50.9			102%	76 - 129	10B0181	02/01/10 13:03
Surrogate: 4-Bromofluorobenzene	50.0	49.3			99%	67 - 147	10B0181	02/01/10 13:03
<b>10B0276-BS1</b>								
Acetone	250	255		ug/kg	102%	60 - 150	10B0276	02/02/10 12:48
Benzene	50.0	41.0		ug/kg	82%	78 - 126	10B0276	02/02/10 12:48
Bromochloromethane	50.0	42.6		ug/kg	85%	78 - 126	10B0276	02/02/10 12:48
Bromodichloromethane	50.0	40.2		ug/kg	80%	75 - 129	10B0276	02/02/10 12:48
Bromoform	50.0	47.5		ug/kg	95%	74 - 133	10B0276	02/02/10 12:48
Bromomethane	50.0	41.3		ug/kg	83%	50 - 150	10B0276	02/02/10 12:48
2-Butanone	250	260		ug/kg	104%	68 - 149	10B0276	02/02/10 12:48
Carbon disulfide	50.0	44.5		ug/kg	89%	80 - 132	10B0276	02/02/10 12:48
Carbon Tetrachloride	50.0	42.5		ug/kg	85%	70 - 138	10B0276	02/02/10 12:48
Chlorobenzene	50.0	52.3		ug/kg	105%	80 - 123	10B0276	02/02/10 12:48
Chlorodibromomethane	50.0	54.8		ug/kg	110%	80 - 127	10B0276	02/02/10 12:48
Chloroethane	50.0	41.7		ug/kg	83%	55 - 150	10B0276	02/02/10 12:48
Chloroform	50.0	39.8		ug/kg	80%	70 - 127	10B0276	02/02/10 12:48
Chloromethane	50.0	44.6		ug/kg	89%	36 - 137	10B0276	02/02/10 12:48
Cyclohexane	50.0	41.0		ug/kg	82%	67 - 126	10B0276	02/02/10 12:48
1,2-Dibromo-3-chloropropane	50.0	49.7		ug/kg	99%	62 - 150	10B0276	02/02/10 12:48
1,2-Dibromoethane (EDB)	50.0	60.0		ug/kg	120%	80 - 131	10B0276	02/02/10 12:48
Methylcyclohexane	50.0	42.8		ug/kg	86%	74 - 122	10B0276	02/02/10 12:48
1,2-Dichlorobenzene	50.0	53.5		ug/kg	107%	80 - 127	10B0276	02/02/10 12:48
1,3-Dichlorobenzene	50.0	54.2		ug/kg	108%	80 - 131	10B0276	02/02/10 12:48
1,4-Dichlorobenzene	50.0	51.8		ug/kg	104%	80 - 129	10B0276	02/02/10 12:48
Dichlorodifluoromethane	50.0	46.9		ug/kg	94%	30 - 150	10B0276	02/02/10 12:48
1,2-Dichloroethane	50.0	42.6		ug/kg	85%	70 - 139	10B0276	02/02/10 12:48
1,1-Dichloroethane	50.0	39.9		ug/kg	80%	71 - 126	10B0276	02/02/10 12:48
1,1-Dichloroethene	50.0	44.4		ug/kg	89%	70 - 125	10B0276	02/02/10 12:48
trans-1,2-Dichloroethene	50.0	42.0		ug/kg	84%	73 - 128	10B0276	02/02/10 12:48
1,1,2-Trifluorotrichloroethane	50.0	47.0		ug/kg	94%	61 - 134	10B0276	02/02/10 12:48
cis-1,2-Dichloroethene	50.0	42.0		ug/kg	84%	75 - 126	10B0276	02/02/10 12:48
1,2-Dichloropropane	50.0	38.4		ug/kg	77%	75 - 120	10B0276	02/02/10 12:48
trans-1,3-Dichloropropene	50.0	48.2		ug/kg	96%	73 - 128	10B0276	02/02/10 12:48
cis-1,3-Dichloropropene	50.0	56.0		ug/kg	112%	74 - 136	10B0276	02/02/10 12:48
Ethylbenzene	50.0	57.3		ug/kg	115%	79 - 130	10B0276	02/02/10 12:48

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time	
Volatile Organic Compounds by EPA Method 8260B									
10B0276-BS1									
2-Hexanone	250	332	L	ug/kg	133%	65 - 150	10B0276	02/02/10 12:48	
Isopropylbenzene	50.0	54.7		ug/kg	109%	65 - 121	10B0276	02/02/10 12:48	
Methyl Acetate	50.0	121		ug/kg	241%	11 - 150	10B0276	02/02/10 12:48	
Methyl tert-Butyl Ether	50.0	43.4		ug/kg	87%	70 - 128	10B0276	02/02/10 12:48	
Methylene Chloride	50.0	39.7		ug/kg	79%	69 - 140	10B0276	02/02/10 12:48	
4-Methyl-2-pentanone	250	340		ug/kg	136%	67 - 147	10B0276	02/02/10 12:48	
Styrene	50.0	56.6		ug/kg	113%	80 - 140	10B0276	02/02/10 12:48	
1,1,2,2-Tetrachloroethane	50.0	55.8		ug/kg	112%	75 - 135	10B0276	02/02/10 12:48	
Tetrachloroethene	50.0	55.1		ug/kg	110%	76 - 130	10B0276	02/02/10 12:48	
Toluene	50.0	55.7		ug/kg	111%	76 - 126	10B0276	02/02/10 12:48	
1,2,4-Trichlorobenzene	50.0	60.4		ug/kg	121%	64 - 150	10B0276	02/02/10 12:48	
1,2,3-Trichlorobenzene	50.0	60.8		ug/kg	122%	75 - 150	10B0276	02/02/10 12:48	
1,1,1-Trichloroethane	50.0	41.0		ug/kg	82%	70 - 132	10B0276	02/02/10 12:48	
1,1,2-Trichloroethane	50.0	54.9		ug/kg	110%	73 - 133	10B0276	02/02/10 12:48	
Trichloroethene	50.0	41.8		ug/kg	84%	79 - 129	10B0276	02/02/10 12:48	
Trichlorofluoromethane	50.0	40.7		ug/kg	81%	52 - 148	10B0276	02/02/10 12:48	
Vinyl chloride	50.0	42.8		ug/kg	86%	53 - 142	10B0276	02/02/10 12:48	
Xylenes, total	150	174		ug/kg	116%	80 - 130	10B0276	02/02/10 12:48	
Surrogate: 1,2-Dichloroethane-d4	50.0	48.6				97%	67 - 138	10B0276	02/02/10 12:48
Surrogate: Dibromofluoromethane	50.0	46.3				93%	75 - 125	10B0276	02/02/10 12:48
Surrogate: Toluene-d8	50.0	58.0				116%	76 - 129	10B0276	02/02/10 12:48
Surrogate: 4-Bromofluorobenzene	50.0	49.6				99%	67 - 147	10B0276	02/02/10 12:48
10B0358-BS1									
Acetone	250	335		ug/L	134%	56 - 150	10B0358	02/01/10 11:34	
Benzene	50.0	45.0		ug/L	90%	80 - 121	10B0358	02/01/10 11:34	
Bromochloromethane	50.0	50.4		ug/L	101%	73 - 137	10B0358	02/01/10 11:34	
Bromodichloromethane	50.0	53.6		ug/L	107%	75 - 131	10B0358	02/01/10 11:34	
Bromoform	50.0	44.7		ug/L	89%	65 - 140	10B0358	02/01/10 11:34	
Bromomethane	50.0	44.8		ug/L	90%	50 - 150	10B0358	02/01/10 11:34	
2-Butanone	250	265		ug/L	106%	70 - 144	10B0358	02/01/10 11:34	
tert-Butylbenzene	50.0	40.2		ug/L	80%	76 - 135	10B0358	02/01/10 11:34	
n-Butylbenzene	50.0	41.0		ug/L	82%	68 - 140	10B0358	02/01/10 11:34	
sec-Butylbenzene	50.0	40.4		ug/L	81%	72 - 140	10B0358	02/01/10 11:34	
Carbon disulfide	50.0	55.0		ug/L	110%	74 - 137	10B0358	02/01/10 11:34	
Carbon Tetrachloride	50.0	51.1		ug/L	102%	71 - 137	10B0358	02/01/10 11:34	
Chlorobenzene	50.0	42.2		ug/L	84%	80 - 121	10B0358	02/01/10 11:34	
Chlorodibromomethane	50.0	44.5		ug/L	89%	68 - 137	10B0358	02/01/10 11:34	
Chloroethane	50.0	46.0		ug/L	92%	50 - 146	10B0358	02/01/10 11:34	
Chloroform	50.0	50.9		ug/L	102%	73 - 131	10B0358	02/01/10 11:34	
Chloromethane	50.0	40.7		ug/L	81%	30 - 132	10B0358	02/01/10 11:34	

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>								
<b>10B0358-BS1</b>								
Cyclohexane	50.0	44.0		ug/L	88%	58 - 136	10B0358	02/01/10 11:34
1,2-Dibromo-3-chloropropane	50.0	42.8		ug/L	86%	56 - 145	10B0358	02/01/10 11:34
1,2-Dibromoethane (EDB)	50.0	48.4		ug/L	97%	80 - 135	10B0358	02/01/10 11:34
Methylcyclohexane	50.0	43.2		ug/L	86%	64 - 131	10B0358	02/01/10 11:34
1,2-Dichlorobenzene	50.0	43.2		ug/L	86%	80 - 125	10B0358	02/01/10 11:34
1,3-Dichlorobenzene	50.0	42.8		ug/L	86%	80 - 128	10B0358	02/01/10 11:34
1,4-Dichlorobenzene	50.0	41.6		ug/L	83%	80 - 120	10B0358	02/01/10 11:34
Dichlorodifluoromethane	50.0	39.1		ug/L	78%	30 - 132	10B0358	02/01/10 11:34
1,2-Dichloroethane	50.0	47.7		ug/L	95%	70 - 134	10B0358	02/01/10 11:34
1,1-Dichloroethane	50.0	49.1		ug/L	98%	75 - 125	10B0358	02/01/10 11:34
1,1-Dichloroethene	50.0	49.4		ug/L	99%	73 - 125	10B0358	02/01/10 11:34
trans-1,2-Dichloroethene	50.0	51.9		ug/L	104%	77 - 125	10B0358	02/01/10 11:34
1,1,2-Trifluorotrichloroethane	50.0	51.2		ug/L	102%	73 - 134	10B0358	02/01/10 11:34
cis-1,2-Dichloroethene	50.0	48.5		ug/L	97%	71 - 132	10B0358	02/01/10 11:34
1,2-Dichloropropane	50.0	46.4		ug/L	93%	72 - 120	10B0358	02/01/10 11:34
trans-1,3-Dichloropropene	50.0	50.4		ug/L	101%	62 - 139	10B0358	02/01/10 11:34
cis-1,3-Dichloropropene	50.0	48.5		ug/L	97%	70 - 140	10B0358	02/01/10 11:34
Ethylbenzene	50.0	42.0		ug/L	84%	78 - 133	10B0358	02/01/10 11:34
2-Hexanone	250	266		ug/L	106%	60 - 150	10B0358	02/01/10 11:34
Isopropylbenzene	50.0	42.3		ug/L	85%	69 - 120	10B0358	02/01/10 11:34
p-Isopropyltoluene	50.0	40.2		ug/L	80%	72 - 134	10B0358	02/01/10 11:34
Methyl Acetate	50.0	93.8	L	ug/L	188%	43 - 127	10B0358	02/01/10 11:34
Methyl tert-Butyl Ether	50.0	56.0		ug/L	112%	76 - 120	10B0358	02/01/10 11:34
Methylene Chloride	50.0	56.5		ug/L	113%	80 - 133	10B0358	02/01/10 11:34
4-Methyl-2-pentanone	250	248		ug/L	99%	62 - 146	10B0358	02/01/10 11:34
Naphthalene	50.0	49.0		ug/L	98%	71 - 139	10B0358	02/01/10 11:34
n-Propylbenzene	50.0	40.1		ug/L	80%	70 - 143	10B0358	02/01/10 11:34
Styrene	50.0	45.3		ug/L	91%	80 - 136	10B0358	02/01/10 11:34
1,1,2,2-Tetrachloroethane	50.0	47.0		ug/L	94%	73 - 131	10B0358	02/01/10 11:34
Tetrachloroethene	50.0	43.4		ug/L	87%	77 - 131	10B0358	02/01/10 11:34
Toluene	50.0	44.3		ug/L	89%	78 - 125	10B0358	02/01/10 11:34
1,2,4-Trichlorobenzene	50.0	47.5		ug/L	95%	74 - 136	10B0358	02/01/10 11:34
1,2,3-Trichlorobenzene	50.0	48.2		ug/L	96%	71 - 138	10B0358	02/01/10 11:34
1,1,1-Trichloroethane	50.0	46.8		ug/L	94%	75 - 137	10B0358	02/01/10 11:34
1,1,2-Trichloroethane	50.0	47.0		ug/L	94%	80 - 123	10B0358	02/01/10 11:34
Trichloroethene	50.0	43.4		ug/L	87%	74 - 139	10B0358	02/01/10 11:34
Trichlorofluoromethane	50.0	45.9		ug/L	92%	60 - 133	10B0358	02/01/10 11:34
1,3,5-Trimethylbenzene	50.0	41.7		ug/L	83%	75 - 134	10B0358	02/01/10 11:34
1,2,4-Trimethylbenzene	50.0	42.5		ug/L	85%	77 - 134	10B0358	02/01/10 11:34
Vinyl chloride	50.0	44.9		ug/L	90%	60 - 122	10B0358	02/01/10 11:34
o-Xylene	50.0	43.0		ug/L	86%	66 - 150	10B0358	02/01/10 11:34



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>								
<b>10B0358-BS1</b>								
m,p-Xylene	100	85.1		ug/L	85%	78 - 132	10B0358	02/01/10 11:34
Xylenes, total	150	128		ug/L	85%	78 - 134	10B0358	02/01/10 11:34
Surrogate: 1,2-Dichloroethane-d4	25.0	25.9			104%	63 - 140	10B0358	02/01/10 11:34
Surrogate: Dibromofluoromethane	25.0	27.0			108%	73 - 131	10B0358	02/01/10 11:34
Surrogate: Toluene-d8	25.0	25.4			102%	80 - 120	10B0358	02/01/10 11:34
Surrogate: 4-Bromofluorobenzene	25.0	24.6			99%	79 - 125	10B0358	02/01/10 11:34
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>								
<b>10A3596-BS1</b>								
Acenaphthene	50.0	47.9	MNR1	ug/L	96%	50 - 120	10A3596	01/28/10 18:11
Acenaphthylene	50.0	49.1	MNR1	ug/L	98%	53 - 120	10A3596	01/28/10 18:11
Acetophenone	50.0	44.4	MNR1	ug/L	89%	52 - 133	10A3596	01/28/10 18:11
alpha-Terpineol	50.0	56.0	MNR1	ug/L	112%	58 - 150	10A3596	01/28/10 18:11
Aniline	50.0	53.9	MNR1	ug/L	108%	10 - 150	10A3596	01/28/10 18:11
Anthracene	50.0	55.8	MNR1	ug/L	112%	63 - 120	10A3596	01/28/10 18:11
Benzo (a) anthracene	50.0	52.5	MNR1	ug/L	105%	57 - 122	10A3596	01/28/10 18:11
Benzo (a) pyrene	50.0	51.2	MNR1	ug/L	102%	46 - 138	10A3596	01/28/10 18:11
Benzo (b) fluoranthene	50.0	52.0	MNR1	ug/L	104%	45 - 138	10A3596	01/28/10 18:11
Benzo (g,h,i) perylene	50.0	47.2	MNR1	ug/L	94%	48 - 137	10A3596	01/28/10 18:11
Benzo (k) fluoranthene	50.0	51.5	MNR1	ug/L	103%	44 - 134	10A3596	01/28/10 18:11
Benzyl alcohol	50.0	47.3	MNR1	ug/L	95%	45 - 120	10A3596	01/28/10 18:11
4-Bromophenyl phenyl ether	50.0	45.3	MNR1	ug/L	91%	52 - 120	10A3596	01/28/10 18:11
Butyl benzyl phthalate	50.0	48.7	MNR1	ug/L	97%	61 - 133	10A3596	01/28/10 18:11
Carbazole	50.0	52.2	MNR1	ug/L	104%	60 - 120	10A3596	01/28/10 18:11
4-Chloro-3-methylphenol	50.0	44.7	MNR1	ug/L	89%	49 - 120	10A3596	01/28/10 18:11
4-Chloroaniline	50.0	41.0	MNR1	ug/L	82%	39 - 120	10A3596	01/28/10 18:11
Bis(2-chloroethoxy)methane	50.0	35.7	MNR1	ug/L	71%	43 - 120	10A3596	01/28/10 18:11
Bis(2-chloroethyl)ether	50.0	41.3	MNR1	ug/L	83%	43 - 120	10A3596	01/28/10 18:11
Bis(2-chloroisopropyl)ether	50.0	43.0	MNR1	ug/L	86%	45 - 120	10A3596	01/28/10 18:11
2-Chloronaphthalene	50.0	45.8	MNR1	ug/L	92%	43 - 120	10A3596	01/28/10 18:11
2-Chlorophenol	50.0	44.1	MNR1	ug/L	88%	40 - 120	10A3596	01/28/10 18:11
4-Chlorophenyl phenyl ether	50.0	51.0	MNR1	ug/L	102%	56 - 120	10A3596	01/28/10 18:11
Chrysene	50.0	49.8	MNR1	ug/L	100%	54 - 123	10A3596	01/28/10 18:11
Dibenz (a,h) anthracene	50.0	51.6	MNR1	ug/L	103%	50 - 136	10A3596	01/28/10 18:11
Dibenzofuran	50.0	53.1	MNR1	ug/L	106%	55 - 120	10A3596	01/28/10 18:11
Di-n-butyl phthalate	50.0	52.8	MNR1	ug/L	106%	64 - 120	10A3596	01/28/10 18:11
1,3-Dichlorobenzene	50.0	43.6	MNR1	ug/L	87%	27 - 120	10A3596	01/28/10 18:11
1,2-Dichlorobenzene	50.0	43.4	MNR1	ug/L	87%	29 - 120	10A3596	01/28/10 18:11
1,4-Dichlorobenzene	50.0	42.8	MNR1	ug/L	86%	27 - 120	10A3596	01/28/10 18:11
3,3-Dichlorobenzidine	50.0	51.8	MNR1	ug/L	104%	49 - 120	10A3596	01/28/10 18:11
2,4-Dichlorophenol	50.0	39.2	MNR1	ug/L	78%	39 - 120	10A3596	01/28/10 18:11

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>								
<b>10A3596-BS1</b>								
Diethyl phthalate	50.0	52.9	MNR1	ug/L	106%	53 - 120	10A3596	01/28/10 18:11
2,4-Dimethylphenol	50.0	45.9	MNR1	ug/L	92%	28 - 123	10A3596	01/28/10 18:11
Dimethyl phthalate	50.0	51.5	MNR1	ug/L	103%	59 - 120	10A3596	01/28/10 18:11
4,6-Dinitro-2-methylphenol	50.0	49.5	MNR1	ug/L	99%	35 - 132	10A3596	01/28/10 18:11
1,3-Dinitrobenzene	50.0	55.2	MNR1	ug/L	110%	50 - 150	10A3596	01/28/10 18:11
2,4-Dinitrophenol	50.0	54.9	MNR1	ug/L	110%	21 - 145	10A3596	01/28/10 18:11
2,4-Dinitrotoluene	50.0	48.8	MNR1	ug/L	98%	61 - 124	10A3596	01/28/10 18:11
2,6-Dinitrotoluene	50.0	48.8	MNR1	ug/L	98%	62 - 123	10A3596	01/28/10 18:11
Di-n-octyl phthalate	50.0	50.5	MNR1	ug/L	101%	51 - 141	10A3596	01/28/10 18:11
1,2-Diphenylhydrazine	50.0	54.0	MNR1	ug/L	108%	53 - 128	10A3596	01/28/10 18:11
Bis(2-ethylhexyl)phthalate	50.0	46.2	MNR1	ug/L	92%	54 - 134	10A3596	01/28/10 18:11
Fluoranthene	50.0	55.1	MNR1	ug/L	110%	62 - 120	10A3596	01/28/10 18:11
Fluorene	50.0	52.1	MNR1	ug/L	104%	58 - 120	10A3596	01/28/10 18:11
Hexachlorobenzene	50.0	48.8	MNR1	ug/L	98%	60 - 120	10A3596	01/28/10 18:11
Hexachlorobutadiene	50.0	43.3	MNR1	ug/L	87%	24 - 120	10A3596	01/28/10 18:11
Hexachlorocyclopentadiene	50.0	31.0	MNR1	ug/L	62%	19 - 120	10A3596	01/28/10 18:11
Hexachloroethane	50.0	44.1	MNR1	ug/L	88%	26 - 120	10A3596	01/28/10 18:11
Indeno (1,2,3-cd) pyrene	50.0	50.7	MNR1	ug/L	101%	50 - 136	10A3596	01/28/10 18:11
Isophorone	50.0	42.1	MNR1	ug/L	84%	46 - 120	10A3596	01/28/10 18:11
1-Methylnaphthalene	50.0	38.6	MNR1	ug/L	77%	34 - 120	10A3596	01/28/10 18:11
2-Methylnaphthalene	50.0	41.9	MNR1	ug/L	84%	34 - 120	10A3596	01/28/10 18:11
2-Methylphenol	50.0	41.2	MNR1	ug/L	82%	38 - 120	10A3596	01/28/10 18:11
3/4-Methylphenol	50.0	36.0	MNR1	ug/L	72%	34 - 120	10A3596	01/28/10 18:11
Naphthalene	50.0	40.0	MNR1	ug/L	80%	32 - 120	10A3596	01/28/10 18:11
4-Nitroaniline	50.0	55.7	MNR1	ug/L	111%	55 - 124	10A3596	01/28/10 18:11
2-Nitroaniline	50.0	51.3	MNR1	ug/L	103%	59 - 121	10A3596	01/28/10 18:11
3-Nitroaniline	50.0	51.7	MNR1	ug/L	103%	54 - 120	10A3596	01/28/10 18:11
Nitrobenzene	50.0	40.1	MNR1	ug/L	80%	44 - 120	10A3596	01/28/10 18:11
2-Nitrophenol	50.0	40.7	MNR1	ug/L	81%	42 - 120	10A3596	01/28/10 18:11
4-Nitrophenol	50.0	23.0	MNR1	ug/L	46%	10 - 120	10A3596	01/28/10 18:11
N-Nitrosodimethylamine	50.0	27.6	MNR1	ug/L	55%	10 - 150	10A3596	01/28/10 18:11
N-Nitrosodiphenylamine	50.0	55.6	MNR1	ug/L	111%	59 - 120	10A3596	01/28/10 18:11
N-Nitrosodi-n-propylamine	50.0	46.0	MNR1	ug/L	92%	50 - 121	10A3596	01/28/10 18:11
Pentachlorophenol	50.0	50.7	MNR1	ug/L	101%	36 - 143	10A3596	01/28/10 18:11
Phenanthrene	50.0	50.3	MNR1	ug/L	101%	60 - 120	10A3596	01/28/10 18:11
Phenol	50.0	20.8	MNR1	ug/L	42%	10 - 120	10A3596	01/28/10 18:11
Pyrene	50.0	48.0	MNR1	ug/L	96%	57 - 124	10A3596	01/28/10 18:11
Pyridine	50.0	17.2	MNR1	ug/L	34%	10 - 120	10A3596	01/28/10 18:11
2,3,4,6-Tetrachlorophenol	50.0	58.8	MNR1	ug/L	118%	45 - 150	10A3596	01/28/10 18:11
1,2,4-Trichlorobenzene	50.0	37.8	MNR1	ug/L	76%	27 - 120	10A3596	01/28/10 18:11
2,4,6-Trichlorophenol	50.0	52.7	MNR1	ug/L	105%	48 - 125	10A3596	01/28/10 18:11

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
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Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>								
<b>10A3596-BS1</b>								
2,4,5-Trichlorophenol	50.0	50.4	MNR1	ug/L	101%	51 - 125	10A3596	01/28/10 18:11
Surrogate: 2-Fluorophenol	50.0	23.3			47%	10 - 120	10A3596	01/28/10 18:11
Surrogate: Phenol-d5	50.0	15.6			31%	10 - 120	10A3596	01/28/10 18:11
Surrogate: Nitrobenzene-d5	50.0	38.0			76%	27 - 120	10A3596	01/28/10 18:11
Surrogate: 2-Fluorobiphenyl	50.0	46.2			92%	29 - 120	10A3596	01/28/10 18:11
Surrogate: 2,4,6-Tribromophenol	50.0	44.1			88%	29 - 132	10A3596	01/28/10 18:11
Surrogate: Terphenyl-d14	50.0	43.4			87%	13 - 120	10A3596	01/28/10 18:11
<b>10A3596-BS2</b>								
Acetophenone	50.0	43.6	MNR1	ug/L	87%	52 - 133	10A3596	01/28/10 18:32
2-Acetylaminofluorene	50.0	54.3	MNR1	ug/L	109%	54 - 142	10A3596	01/28/10 18:32
4-Aminobiphenyl	50.0	56.3	MNR1	ug/L	113%	22 - 122	10A3596	01/28/10 18:32
Atrazine	50.0	48.0	MNR1	ug/L	96%	14 - 150	10A3596	01/28/10 18:32
Benzaldehyde	50.0	47.3	MNR1	ug/L	95%	10 - 150	10A3596	01/28/10 18:32
Biphenyl	50.0	55.3	MNR1	ug/L	111%	14 - 143	10A3596	01/28/10 18:32
Caprolactam	50.0	12.7	MNR1	ug/L	25%	10 - 120	10A3596	01/28/10 18:32
4-Chloro-3-methylphenol	50.0	50.0	MNR1	ug/L	100%	49 - 120	10A3596	01/28/10 18:32
Chlorobenzilate	50.0	49.4	MNR1	ug/L	99%	58 - 122	10A3596	01/28/10 18:32
2-Chlorophenol	50.0	41.5	MNR1	ug/L	83%	40 - 120	10A3596	01/28/10 18:32
Diallate (cis or trans)	50.0	42.1	MNR1	ug/L	84%	10 - 123	10A3596	01/28/10 18:32
2,6-Dichlorophenol	100	34.5	MNR1	ug/L	35%	33 - 136	10A3596	01/28/10 18:32
2,4-Dichlorophenol	50.0	44.4	MNR1	ug/L	89%	39 - 120	10A3596	01/28/10 18:32
3,4-Dichlorophenol	50.0	44.4	MNR1	ug/L	89%	10 - 150	10A3596	01/28/10 18:32
Dimethoate	50.0	42.3	MNR1	ug/L	85%	31 - 134	10A3596	01/28/10 18:32
Dimethylaminoazobenzene	50.0	44.1	MNR1	ug/L	88%	32 - 149	10A3596	01/28/10 18:32
7,12-Dimethylbenz (a) anthracene	50.0	40.4	MNR1	ug/L	81%	41 - 120	10A3596	01/28/10 18:32
3,3-Dimethylbenzidine	50.0	43.4	MNR1	ug/L	87%	10 - 150	10A3596	01/28/10 18:32
2,4-Dimethylphenol	50.0	51.0	MNR1	ug/L	102%	28 - 123	10A3596	01/28/10 18:32
4,6-Dinitro-2-methylphenol	50.0	42.4	MNR1	ug/L	85%	35 - 132	10A3596	01/28/10 18:32
1,3-Dinitrobenzene	50.0	53.6	MNR1	ug/L	107%	50 - 150	10A3596	01/28/10 18:32
2,4-Dinitrophenol	50.0	44.2	MNR1	ug/L	88%	21 - 145	10A3596	01/28/10 18:32
1,4-Dioxane	50.0	22.0	MNR1	ug/L	44%	17 - 120	10A3596	01/28/10 18:32
Diphenylamine	50.0	54.7	MNR1	ug/L	109%	10 - 150	10A3596	01/28/10 18:32
Dinoseb	50.0	49.5	MNR1	ug/L	99%	37 - 145	10A3596	01/28/10 18:32
Ethyl Methanesulfonate	50.0	45.1	MNR1	ug/L	90%	39 - 120	10A3596	01/28/10 18:32
Famphur	50.0	34.3	MNR1	ug/L	69%	10 - 150	10A3596	01/28/10 18:32
Hexachloropropene	50.0	43.4	MNR1	ug/L	87%	10 - 146	10A3596	01/28/10 18:32
Isodrin	50.0	44.9	MNR1	ug/L	90%	52 - 122	10A3596	01/28/10 18:32
Isosafrole	50.0	63.5	MNR1	ug/L	127%	68 - 150	10A3596	01/28/10 18:32
Kepone	50.0	29.6	MNR1	ug/L	59%	10 - 150	10A3596	01/28/10 18:32
Methapyrilene	50.0	15.5	MNR1	ug/L	31%	10 - 150	10A3596	01/28/10 18:32

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## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>								
<b>10A3596-BS2</b>								
3-Methylcholanthrene	50.0	39.8	MNR1	ug/L	80%	37 - 120	10A3596	01/28/10 18:32
Methyl Methanesulfonate	50.0	53.2	MNR1	ug/L	106%	10 - 120	10A3596	01/28/10 18:32
2-Methylphenol	50.0	40.2	MNR1	ug/L	80%	38 - 120	10A3596	01/28/10 18:32
1-Naphthylamine	50.0	54.0	MNR1	ug/L	108%	17 - 120	10A3596	01/28/10 18:32
2-Nitrophenol	50.0	42.8	MNR1	ug/L	86%	42 - 120	10A3596	01/28/10 18:32
4-Nitrophenol	50.0	23.9	MNR1	ug/L	48%	10 - 120	10A3596	01/28/10 18:32
N-Nitrosodi-n-butylamine	50.0	49.6	MNR1	ug/L	99%	43 - 145	10A3596	01/28/10 18:32
N-Nitrosodiethylamine	50.0	39.2	MNR1	ug/L	78%	45 - 125	10A3596	01/28/10 18:32
N-Nitrosomethylethylamine	50.0	40.1	MNR1	ug/L	80%	15 - 120	10A3596	01/28/10 18:32
N-Nitrosopiperidine	50.0	43.7	MNR1	ug/L	87%	55 - 120	10A3596	01/28/10 18:32
N-Nitrosopyrrolidine	50.0	43.1	MNR1	ug/L	86%	47 - 120	10A3596	01/28/10 18:32
5-Nitro-o-toluidine	50.0	53.2	MNR1	ug/L	106%	51 - 150	10A3596	01/28/10 18:32
O,O,O-Triethyl phosphorothioate	50.0	40.2	MNR1	ug/L	80%	55 - 126	10A3596	01/28/10 18:32
Parathion-ethyl	50.0	55.7	MNR1	ug/L	111%	56 - 145	10A3596	01/28/10 18:32
Parathion-methyl	50.0	50.2	MNR1	ug/L	100%	10 - 150	10A3596	01/28/10 18:32
Pentachlorobenzene	50.0	42.8	MNR1	ug/L	86%	52 - 123	10A3596	01/28/10 18:32
Pentachloronitrobenzene	50.0	55.0	MNR1	ug/L	110%	46 - 150	10A3596	01/28/10 18:32
Pentachlorophenol	50.0	35.9	MNR1	ug/L	72%	36 - 143	10A3596	01/28/10 18:32
Phenacetin	50.0	57.6	MNR1	ug/L	115%	39 - 150	10A3596	01/28/10 18:32
Phenol	50.0	12.8	MNR1	ug/L	26%	10 - 120	10A3596	01/28/10 18:32
Pronamide	50.0	46.6	MNR1	ug/L	93%	63 - 132	10A3596	01/28/10 18:32
Safrole	50.0	20.6	MNR1	ug/L	41%	10 - 150	10A3596	01/28/10 18:32
Sulfotep	50.0	35.9	MNR1	ug/L	72%	57 - 141	10A3596	01/28/10 18:32
1,2,4,5-Tetrachlorobenzene	50.0	44.1	MNR1	ug/L	88%	50 - 123	10A3596	01/28/10 18:32
2,3,4,6-Tetrachlorophenol	50.0	55.1	MNR1	ug/L	110%	45 - 150	10A3596	01/28/10 18:32
Thionazin	50.0	46.0	MNR1	ug/L	92%	63 - 121	10A3596	01/28/10 18:32
o-Toluidine	50.0	41.6	MNR1	ug/L	83%	38 - 120	10A3596	01/28/10 18:32
2,4,6-Trichlorophenol	50.0	46.4	MNR1	ug/L	93%	48 - 125	10A3596	01/28/10 18:32
2,4,5-Trichlorophenol	50.0	46.7	MNR1	ug/L	93%	51 - 125	10A3596	01/28/10 18:32
1,3,5-Trinitrobenzene	50.0	44.8	MNR1	ug/L	90%	44 - 150	10A3596	01/28/10 18:32
Pentachloroethane	50.0	36.2	MNR1	ug/L	72%	41 - 123	10A3596	01/28/10 18:32
Surrogate: 2-Fluorophenol	50.0	22.3			45%	10 - 120	10A3596	01/28/10 18:32
Surrogate: Phenol-d5	50.0	14.1			28%	10 - 120	10A3596	01/28/10 18:32
Surrogate: Nitrobenzene-d5	50.0	42.5			85%	27 - 120	10A3596	01/28/10 18:32
Surrogate: 2-Fluorobiphenyl	50.0	43.2			86%	29 - 120	10A3596	01/28/10 18:32
Surrogate: 2,4,6-Tribromophenol	50.0	44.6			89%	29 - 132	10A3596	01/28/10 18:32
Surrogate: Terphenyl-d14	50.0	44.0			88%	13 - 120	10A3596	01/28/10 18:32
<b>10A3612-BS1</b>								
Acenaphthene	3.33	2.90		mg/kg	87%	49 - 120	10A3612	01/31/10 16:29
Acenaphthylene	3.33	2.85		mg/kg	86%	52 - 120	10A3612	01/31/10 16:29



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>								
<b>10A3612-BS1</b>								
Acetophenone	3.33	2.09		mg/kg	63%	26 - 127	10A3612	01/31/10 16:29
Anthracene	3.33	3.05		mg/kg	92%	58 - 120	10A3612	01/31/10 16:29
Benzo (a) anthracene	3.33	2.93		mg/kg	88%	57 - 120	10A3612	01/31/10 16:29
Benzo (b) fluoranthene	3.33	3.05		mg/kg	92%	51 - 123	10A3612	01/31/10 16:29
Benzo (a) pyrene	3.33	3.03		mg/kg	91%	55 - 120	10A3612	01/31/10 16:29
Benzo (g,h,i) perylene	3.33	3.25		mg/kg	97%	49 - 121	10A3612	01/31/10 16:29
Benzo (k) fluoranthene	3.33	2.75		mg/kg	83%	42 - 129	10A3612	01/31/10 16:29
4-Bromophenyl phenyl ether	3.33	2.93		mg/kg	88%	49 - 120	10A3612	01/31/10 16:29
Butyl benzyl phthalate	3.33	3.09		mg/kg	93%	59 - 124	10A3612	01/31/10 16:29
4-Chloro-3-methylphenol	3.33	2.44		mg/kg	73%	49 - 120	10A3612	01/31/10 16:29
4-Chloroaniline	3.33	2.18		mg/kg	66%	41 - 120	10A3612	01/31/10 16:29
Carbazole	3.33	2.81		mg/kg	84%	54 - 120	10A3612	01/31/10 16:29
2-Chloronaphthalene	3.33	2.91		mg/kg	87%	45 - 120	10A3612	01/31/10 16:29
Bis(2-chloroethoxy)methane	3.33	2.01		mg/kg	60%	37 - 120	10A3612	01/31/10 16:29
Bis(2-chloroethyl)ether	3.33	2.56		mg/kg	77%	29 - 120	10A3612	01/31/10 16:29
Bis(2-chloroisopropyl)ether	3.33	2.76		mg/kg	83%	28 - 120	10A3612	01/31/10 16:29
2-Chlorophenol	3.33	3.05		mg/kg	92%	42 - 120	10A3612	01/31/10 16:29
4-Chlorophenyl phenyl ether	3.33	3.34		mg/kg	100%	52 - 120	10A3612	01/31/10 16:29
Chrysene	3.33	2.67		mg/kg	80%	55 - 120	10A3612	01/31/10 16:29
Dibenz (a,h) anthracene	3.33	3.63		mg/kg	109%	50 - 123	10A3612	01/31/10 16:29
Dibenzofuran	3.33	3.05		mg/kg	92%	54 - 120	10A3612	01/31/10 16:29
Di-n-butyl phthalate	3.33	2.86		mg/kg	86%	58 - 120	10A3612	01/31/10 16:29
3,3-Dichlorobenzidine	3.33	2.89		mg/kg	87%	54 - 120	10A3612	01/31/10 16:29
2,4-Dichlorophenol	3.33	2.20		mg/kg	66%	43 - 120	10A3612	01/31/10 16:29
Diethyl phthalate	3.33	3.13		mg/kg	94%	52 - 120	10A3612	01/31/10 16:29
2,4-Dimethylphenol	3.33	2.69		mg/kg	81%	47 - 120	10A3612	01/31/10 16:29
Dimethyl phthalate	3.33	3.08		mg/kg	92%	55 - 120	10A3612	01/31/10 16:29
4,6-Dinitro-2-methylphenol	3.33	3.11		mg/kg	93%	27 - 134	10A3612	01/31/10 16:29
2,4-Dinitrophenol	3.33	3.09		mg/kg	93%	15 - 145	10A3612	01/31/10 16:29
2,6-Dinitrotoluene	3.33	3.12		mg/kg	94%	56 - 120	10A3612	01/31/10 16:29
2,4-Dinitrotoluene	3.33	3.12		mg/kg	94%	55 - 122	10A3612	01/31/10 16:29
Di-n-octyl phthalate	3.33	2.88		mg/kg	86%	48 - 131	10A3612	01/31/10 16:29
Bis(2-ethylhexyl)phthalate	3.33	2.96		mg/kg	89%	51 - 127	10A3612	01/31/10 16:29
Fluoranthene	3.33	2.76		mg/kg	83%	58 - 120	10A3612	01/31/10 16:29
Fluorene	3.33	3.18		mg/kg	95%	54 - 120	10A3612	01/31/10 16:29
Hexachlorobenzene	3.33	3.09		mg/kg	93%	56 - 120	10A3612	01/31/10 16:29
Hexachlorobutadiene	3.33	2.67		mg/kg	80%	19 - 120	10A3612	01/31/10 16:29
Hexachlorocyclopentadiene	3.33	3.01		mg/kg	90%	11 - 120	10A3612	01/31/10 16:29
Hexachloroethane	3.33	3.06		mg/kg	92%	14 - 120	10A3612	01/31/10 16:29
Indeno (1,2,3-cd) pyrene	3.33	3.55		mg/kg	106%	50 - 122	10A3612	01/31/10 16:29
Isophorone	3.33	2.29		mg/kg	69%	43 - 120	10A3612	01/31/10 16:29

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>								
<b>10A3612-BS1</b>								
2-Methylnaphthalene	3.33	2.30		mg/kg	69%	36 - 120	10A3612	01/31/10 16:29
2-Methylphenol	3.33	3.18		mg/kg	95%	47 - 120	10A3612	01/31/10 16:29
3/4-Methylphenol	3.33	2.95		mg/kg	89%	53 - 135	10A3612	01/31/10 16:29
Naphthalene	3.33	2.17		mg/kg	65%	28 - 120	10A3612	01/31/10 16:29
2-Nitroaniline	3.33	3.06		mg/kg	92%	59 - 120	10A3612	01/31/10 16:29
3-Nitroaniline	3.33	2.86		mg/kg	86%	54 - 120	10A3612	01/31/10 16:29
4-Nitroaniline	3.33	3.06		mg/kg	92%	55 - 121	10A3612	01/31/10 16:29
Nitrobenzene	3.33	2.25		mg/kg	67%	30 - 120	10A3612	01/31/10 16:29
2-Nitrophenol	3.33	2.18		mg/kg	65%	36 - 120	10A3612	01/31/10 16:29
4-Nitrophenol	3.33	3.77		mg/kg	113%	44 - 133	10A3612	01/31/10 16:29
N-Nitrosodiphenylamine	3.33	3.52		mg/kg	106%	56 - 120	10A3612	01/31/10 16:29
N-Nitrosodi-n-propylamine	3.33	2.98		mg/kg	89%	45 - 120	10A3612	01/31/10 16:29
Pentachlorophenol	3.33	3.41		mg/kg	102%	42 - 135	10A3612	01/31/10 16:29
Phenanthrene	3.33	2.78		mg/kg	84%	56 - 120	10A3612	01/31/10 16:29
Phenol	3.33	2.86		mg/kg	86%	45 - 120	10A3612	01/31/10 16:29
Pyrene	3.33	2.57		mg/kg	77%	56 - 120	10A3612	01/31/10 16:29
2,4,5-Trichlorophenol	3.33	2.96		mg/kg	89%	54 - 120	10A3612	01/31/10 16:29
2,4,6-Trichlorophenol	3.33	3.48		mg/kg	104%	50 - 120	10A3612	01/31/10 16:29
<i>Surrogate: Phenol-d5</i>	1.67	1.32			79%	18 - 120	10A3612	01/31/10 16:29
<i>Surrogate: 2-Fluorobiphenyl</i>	1.67	1.40			84%	14 - 120	10A3612	01/31/10 16:29
<i>Surrogate: Nitrobenzene-d5</i>	1.67	1.06			64%	17 - 120	10A3612	01/31/10 16:29
<i>Surrogate: Terphenyl-d14</i>	1.67	1.32			79%	18 - 120	10A3612	01/31/10 16:29
<i>Surrogate: 2,4,6-Tribromophenol</i>	1.67	1.33			80%	19 - 120	10A3612	01/31/10 16:29
<b>10A3612-BS2</b>								
Acetophenone	1.67	1.30		mg/kg	78%	26 - 127	10A3612	01/31/10 16:49
Atrazine	1.67	1.36		mg/kg	81%	11 - 150	10A3612	01/31/10 16:49
Benzaldehyde	1.67	0.387		mg/kg	23%	10 - 150	10A3612	01/31/10 16:49
Biphenyl	1.67	1.57		mg/kg	94%	10 - 136	10A3612	01/31/10 16:49
4-Chloro-3-methylphenol	1.67	1.47		mg/kg	88%	49 - 120	10A3612	01/31/10 16:49
Caprolactam	1.67	1.32		mg/kg	79%	10 - 150	10A3612	01/31/10 16:49
2-Chlorophenol	1.67	1.20		mg/kg	72%	42 - 120	10A3612	01/31/10 16:49
2,4-Dichlorophenol	1.67	1.26		mg/kg	75%	43 - 120	10A3612	01/31/10 16:49
2,6-Dichlorophenol	3.33	2.42		mg/kg	73%	39 - 129	10A3612	01/31/10 16:49
2,4-Dimethylphenol	1.67	1.51		mg/kg	91%	47 - 120	10A3612	01/31/10 16:49
4,6-Dinitro-2-methylphenol	1.67	1.06		mg/kg	63%	27 - 134	10A3612	01/31/10 16:49
2,4-Dinitrophenol	1.67	1.06		mg/kg	64%	15 - 145	10A3612	01/31/10 16:49
2-Methylphenol	1.67	1.36		mg/kg	82%	47 - 120	10A3612	01/31/10 16:49
2-Nitrophenol	1.67	1.16		mg/kg	70%	36 - 120	10A3612	01/31/10 16:49
4-Nitrophenol	1.67	1.65		mg/kg	99%	44 - 133	10A3612	01/31/10 16:49
Pentachlorophenol	1.67	0.947		mg/kg	57%	42 - 135	10A3612	01/31/10 16:49

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>								
<b>10A3612-BS2</b>								
Phenol	1.67	1.16		mg/kg	70%	45 - 120	10A3612	01/31/10 16:49
1,2,4,5-Tetrachlorobenzene	1.67	1.27		mg/kg	76%	32 - 130	10A3612	01/31/10 16:49
2,4,5-Trichlorophenol	1.67	1.24		mg/kg	75%	54 - 120	10A3612	01/31/10 16:49
2,4,6-Trichlorophenol	1.67	1.32		mg/kg	79%	50 - 120	10A3612	01/31/10 16:49
Surrogate: Phenol-d5	1.67	1.09			66%	18 - 120	10A3612	01/31/10 16:49
Surrogate: 2-Fluorobiphenyl	1.67	1.16			70%	14 - 120	10A3612	01/31/10 16:49
Surrogate: Nitrobenzene-d5	1.67	1.18			71%	17 - 120	10A3612	01/31/10 16:49
Surrogate: Terphenyl-d14	1.67	1.40			84%	18 - 120	10A3612	01/31/10 16:49
Surrogate: 2,4,6-Tribromophenol	1.67	1.15			69%	19 - 120	10A3612	01/31/10 16:49

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Work Order: NTA1891  
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Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Mercury by EPA Methods 7470A/7471A</b>												
<b>10B0215-BSD1</b>												
Mercury		0.00103		mg/L	0.00100	103%	80 - 120	9	20	10B0215		02/03/10 13:46
<b>Polychlorinated Biphenyls by EPA Method 8082</b>												
<b>10A3609-BSD1</b>												
PCB-1248		0.168		mg/kg	0.167	101%	44 - 139	3	50	10A3609		01/29/10 17:53
Surrogate: Tetrachloro-meta-xylene		0.0187		mg/kg	0.0167	112%	19 - 147			10A3609		01/29/10 17:53
Surrogate: Decachlorobiphenyl		0.0180		mg/kg	0.0167	108%	20 - 150			10A3609		01/29/10 17:53
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10A3493-BSD1</b>												
Acetone		325		ug/L	250	130%	56 - 150	6	31	10A3493		02/02/10 12:46
Benzene		50.1		ug/L	50.0	100%	80 - 121	2	12	10A3493		02/02/10 12:46
Bromochloromethane		48.6		ug/L	50.0	97%	73 - 137	2	32	10A3493		02/02/10 12:46
Bromodichloromethane		50.1		ug/L	50.0	100%	75 - 131	0.08	13	10A3493		02/02/10 12:46
Bromoform		56.7		ug/L	50.0	113%	65 - 140	1	18	10A3493		02/02/10 12:46
Bromomethane		49.7		ug/L	50.0	99%	50 - 150	0.1	50	10A3493		02/02/10 12:46
2-Butanone		269		ug/L	250	108%	70 - 144	1	37	10A3493		02/02/10 12:46
Carbon disulfide		45.2		ug/L	50.0	90%	74 - 137	2	28	10A3493		02/02/10 12:46
Carbon Tetrachloride		49.9		ug/L	50.0	100%	71 - 137	0.8	26	10A3493		02/02/10 12:46
Chlorobenzene		51.3		ug/L	50.0	103%	80 - 121	2	11	10A3493		02/02/10 12:46
Chlorodibromomethane		52.8		ug/L	50.0	106%	68 - 137	2	16	10A3493		02/02/10 12:46
Chloroethane		54.0		ug/L	50.0	108%	50 - 146	1	35	10A3493		02/02/10 12:46
Chloroform		50.4		ug/L	50.0	101%	73 - 131	2	32	10A3493		02/02/10 12:46
Chloromethane		29.5		ug/L	50.0	59%	30 - 132	1	34	10A3493		02/02/10 12:46
Cyclohexane		48.5		ug/L	50.0	97%	58 - 136	0.7	13	10A3493		02/02/10 12:46
1,2-Dibromo-3-chloropropane		55.7		ug/L	50.0	111%	56 - 145	1	21	10A3493		02/02/10 12:46
1,2-Dibromoethane (EDB)		53.1		ug/L	50.0	106%	80 - 135	1	10	10A3493		02/02/10 12:46
Methylcyclohexane		51.1		ug/L	50.0	102%	64 - 131	0.2	13	10A3493		02/02/10 12:46
1,2-Dichlorobenzene		55.7		ug/L	50.0	111%	80 - 125	1	11	10A3493		02/02/10 12:46
1,3-Dichlorobenzene		53.0		ug/L	50.0	106%	80 - 128	0.3	18	10A3493		02/02/10 12:46
1,4-Dichlorobenzene		50.6		ug/L	50.0	101%	80 - 120	1	10	10A3493		02/02/10 12:46
Dichlorodifluoromethane		49.1		ug/L	50.0	98%	30 - 132	0.4	32	10A3493		02/02/10 12:46
1,2-Dichloroethane		47.2		ug/L	50.0	94%	70 - 134	1	25	10A3493		02/02/10 12:46
1,1-Dichloroethane		47.5		ug/L	50.0	95%	75 - 125	2	34	10A3493		02/02/10 12:46
1,1-Dichloroethene		48.1		ug/L	50.0	96%	73 - 125	1	31	10A3493		02/02/10 12:46
trans-1,2-Dichloroethene		46.5		ug/L	50.0	93%	77 - 125	2	32	10A3493		02/02/10 12:46
1,1,2-Trifluorotrichloroethane		49.1		ug/L	50.0	98%	73 - 134	0.4	17	10A3493		02/02/10 12:46
cis-1,2-Dichloroethene		48.0		ug/L	50.0	96%	71 - 132	2	32	10A3493		02/02/10 12:46
1,2-Dichloropropane		48.2		ug/L	50.0	96%	72 - 120	1	11	10A3493		02/02/10 12:46
trans-1,3-Dichloropropene		51.9		ug/L	50.0	104%	62 - 139	0.9	26	10A3493		02/02/10 12:46
cis-1,3-Dichloropropene		55.9		ug/L	50.0	112%	70 - 140	0.8	35	10A3493		02/02/10 12:46



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10A3493-BSD1</b>												
Ethylbenzene		50.6		ug/L	50.0	101%	78 - 133	1	12	10A3493		02/02/10 12:46
2-Hexanone		265		ug/L	250	106%	60 - 150	3	20	10A3493		02/02/10 12:46
Isopropylbenzene		54.0		ug/L	50.0	108%	69 - 120	0.7	15	10A3493		02/02/10 12:46
Methyl Acetate		77.6	L1	ug/L	50.0	155%	43 - 127	0.4	40	10A3493		02/02/10 12:46
Methyl tert-Butyl Ether		49.9		ug/L	50.0	100%	76 - 120	2	32	10A3493		02/02/10 12:46
Methylene Chloride		48.7		ug/L	50.0	97%	80 - 133	0.6	36	10A3493		02/02/10 12:46
4-Methyl-2-pentanone		259		ug/L	250	104%	62 - 146	2	35	10A3493		02/02/10 12:46
Styrene		54.6		ug/L	50.0	109%	80 - 136	0.7	29	10A3493		02/02/10 12:46
1,1,2,2-Tetrachloroethane		55.0		ug/L	50.0	110%	73 - 131	1	28	10A3493		02/02/10 12:46
Tetrachloroethene		52.5		ug/L	50.0	105%	77 - 131	0.2	16	10A3493		02/02/10 12:46
Toluene		49.6		ug/L	50.0	99%	78 - 125	0.9	35	10A3493		02/02/10 12:46
1,2,4-Trichlorobenzene		63.1		ug/L	50.0	126%	74 - 136	2	23	10A3493		02/02/10 12:46
1,2,3-Trichlorobenzene		61.1		ug/L	50.0	122%	71 - 138	0.9	28	10A3493		02/02/10 12:46
1,1,1-Trichloroethane		50.4		ug/L	50.0	101%	75 - 137	0.9	29	10A3493		02/02/10 12:46
1,1,2-Trichloroethane		51.3		ug/L	50.0	103%	80 - 123	2	21	10A3493		02/02/10 12:46
Trichloroethene		55.8		ug/L	50.0	112%	74 - 139	2	11	10A3493		02/02/10 12:46
Trichlorofluoromethane		43.8		ug/L	50.0	88%	60 - 133	1	33	10A3493		02/02/10 12:46
Vinyl chloride		51.0		ug/L	50.0	102%	60 - 122	0.6	32	10A3493		02/02/10 12:46
Xylenes, total		152		ug/L	150	102%	78 - 134	1	18	10A3493		02/02/10 12:46
Surrogate: 1,2-Dichloroethane-d4		23.2		ug/L	25.0	93%	63 - 140			10A3493		02/02/10 12:46
Surrogate: Dibromofluoromethane		24.3		ug/L	25.0	97%	73 - 131			10A3493		02/02/10 12:46
Surrogate: Toluene-d8		24.1		ug/L	25.0	97%	80 - 120			10A3493		02/02/10 12:46
Surrogate: 4-Bromofluorobenzene		25.2		ug/L	25.0	101%	79 - 125			10A3493		02/02/10 12:46
<b>10A3560-BSD1</b>												
Acetone		251		ug/kg	250	100%	60 - 150	3	50	10A3560		01/30/10 11:00
Benzene		56.4		ug/kg	50.0	113%	78 - 126	6	50	10A3560		01/30/10 11:00
Bromochloromethane		58.0		ug/kg	50.0	116%	78 - 126	4	50	10A3560		01/30/10 11:00
Bromodichloromethane		52.7		ug/kg	50.0	105%	75 - 129	6	50	10A3560		01/30/10 11:00
Bromoform		56.0		ug/kg	50.0	112%	74 - 133	4	43	10A3560		01/30/10 11:00
Bromomethane		53.0		ug/kg	50.0	106%	50 - 150	9	46	10A3560		01/30/10 11:00
2-Butanone		257		ug/kg	250	103%	68 - 149	1	50	10A3560		01/30/10 11:00
Carbon disulfide		65.2		ug/kg	50.0	130%	80 - 132	8	48	10A3560		01/30/10 11:00
Carbon Tetrachloride		59.9		ug/kg	50.0	120%	70 - 138	7	44	10A3560		01/30/10 11:00
Chlorobenzene		54.5		ug/kg	50.0	109%	80 - 123	8	50	10A3560		01/30/10 11:00
Chlorodibromomethane		57.0		ug/kg	50.0	114%	80 - 127	8	48	10A3560		01/30/10 11:00
Chloroethane		49.1		ug/kg	50.0	98%	55 - 150	5	50	10A3560		01/30/10 11:00
Chloroform		60.1	B	ug/kg	50.0	120%	70 - 127	5	50	10A3560		01/30/10 11:00
Chloromethane		55.1		ug/kg	50.0	110%	36 - 137	9	44	10A3560		01/30/10 11:00
Cyclohexane		59.4		ug/kg	50.0	119%	67 - 126	8	40	10A3560		01/30/10 11:00
1,2-Dibromo-3-chloropropane		45.2		ug/kg	50.0	90%	62 - 150	3	45	10A3560		01/30/10 11:00

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
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Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10A3560-BSD1</b>												
1,2-Dibromoethane (EDB)		56.2		ug/kg	50.0	112%	80 - 131	5	45	10A3560		01/30/10 11:00
Methylcyclohexane		58.4		ug/kg	50.0	117%	74 - 122	7	27	10A3560		01/30/10 11:00
1,2-Dichlorobenzene		54.5		ug/kg	50.0	109%	80 - 127	5	50	10A3560		01/30/10 11:00
1,3-Dichlorobenzene		55.2		ug/kg	50.0	110%	80 - 131	6	50	10A3560		01/30/10 11:00
1,4-Dichlorobenzene		54.4		ug/kg	50.0	109%	80 - 129	5	50	10A3560		01/30/10 11:00
Dichlorodifluoromethane		64.5		ug/kg	50.0	129%	30 - 150	4	50	10A3560		01/30/10 11:00
1,2-Dichloroethane		55.8		ug/kg	50.0	112%	70 - 139	10	50	10A3560		01/30/10 11:00
1,1-Dichloroethane		55.3		ug/kg	50.0	111%	71 - 126	8	50	10A3560		01/30/10 11:00
1,1-Dichloroethene		57.7		ug/kg	50.0	115%	70 - 125	6	50	10A3560		01/30/10 11:00
trans-1,2-Dichloroethene		57.6		ug/kg	50.0	115%	73 - 128	10	40	10A3560		01/30/10 11:00
1,1,2-Trifluorotrichloroethane		61.6		ug/kg	50.0	123%	61 - 134	6	46	10A3560		01/30/10 11:00
cis-1,2-Dichloroethene		54.9		ug/kg	50.0	110%	75 - 126	7	50	10A3560		01/30/10 11:00
1,2-Dichloropropane		51.0		ug/kg	50.0	102%	75 - 120	6	50	10A3560		01/30/10 11:00
trans-1,3-Dichloropropene		49.4		ug/kg	50.0	99%	73 - 128	4	48	10A3560		01/30/10 11:00
cis-1,3-Dichloropropene		51.0		ug/kg	50.0	102%	74 - 136	6	50	10A3560		01/30/10 11:00
Ethylbenzene		55.7		ug/kg	50.0	111%	79 - 130	7	50	10A3560		01/30/10 11:00
2-Hexanone		245		ug/kg	250	98%	65 - 150	3	50	10A3560		01/30/10 11:00
Isopropylbenzene		57.2		ug/kg	50.0	114%	65 - 121	6	50	10A3560		01/30/10 11:00
Methyl Acetate		114	L	ug/kg	50.0	229%	11 - 150	4	50	10A3560		01/30/10 11:00
Methyl tert-Butyl Ether		52.8		ug/kg	50.0	106%	70 - 128	3	50	10A3560		01/30/10 11:00
Methylene Chloride		55.0		ug/kg	50.0	110%	69 - 140	7	50	10A3560		01/30/10 11:00
4-Methyl-2-pentanone		281		ug/kg	250	112%	67 - 147	6	45	10A3560		01/30/10 11:00
Styrene		58.7		ug/kg	50.0	117%	80 - 140	8	50	10A3560		01/30/10 11:00
1,1,2,2-Tetrachloroethane		54.1		ug/kg	50.0	108%	75 - 135	7	45	10A3560		01/30/10 11:00
Tetrachloroethene		59.2		ug/kg	50.0	118%	76 - 130	8	50	10A3560		01/30/10 11:00
Toluene		54.1		ug/kg	50.0	108%	76 - 126	8	50	10A3560		01/30/10 11:00
1,2,4-Trichlorobenzene		60.2		ug/kg	50.0	120%	64 - 150	3	50	10A3560		01/30/10 11:00
1,2,3-Trichlorobenzene		57.8		ug/kg	50.0	116%	75 - 150	4	50	10A3560		01/30/10 11:00
1,1,1-Trichloroethane		56.0		ug/kg	50.0	112%	70 - 132	6	41	10A3560		01/30/10 11:00
1,1,2-Trichloroethane		55.7		ug/kg	50.0	111%	73 - 133	8	50	10A3560		01/30/10 11:00
Trichloroethene		55.5		ug/kg	50.0	111%	79 - 129	6	50	10A3560		01/30/10 11:00
Trichlorofluoromethane		50.9		ug/kg	50.0	102%	52 - 148	8	47	10A3560		01/30/10 11:00
Vinyl chloride		55.6		ug/kg	50.0	111%	53 - 142	7	39	10A3560		01/30/10 11:00
Xylenes, total		169		ug/kg	150	112%	80 - 130	8	50	10A3560		01/30/10 11:00
Surrogate: 1,2-Dichloroethane-d4		49.5		ug/kg	50.0	99%	67 - 138			10A3560		01/30/10 11:00
Surrogate: Dibromofluoromethane		50.0		ug/kg	50.0	100%	75 - 125			10A3560		01/30/10 11:00
Surrogate: Toluene-d8		50.8		ug/kg	50.0	102%	76 - 129			10A3560		01/30/10 11:00
Surrogate: 4-Bromofluorobenzene		49.6		ug/kg	50.0	99%	67 - 147			10A3560		01/30/10 11:00
<b>10A3723-BSD1</b>												
Acetone		287		ug/L	250	115%	56 - 150	2	31	10A3723		01/30/10 21:27

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

**PROJECT QUALITY CONTROL DATA**  
**LCS Dup - Cont.**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10A3723-BSD1</b>												
Benzene		46.8		ug/L	50.0	94%	80 - 121	6	12	10A3723		01/30/10 21:27
Bromochloromethane		46.9		ug/L	50.0	94%	73 - 137	2	32	10A3723		01/30/10 21:27
Bromodichloromethane		47.6		ug/L	50.0	95%	75 - 131	4	13	10A3723		01/30/10 21:27
Bromoform		54.4		ug/L	50.0	109%	65 - 140	0.3	18	10A3723		01/30/10 21:27
Bromomethane		46.0		ug/L	50.0	92%	50 - 150	3	50	10A3723		01/30/10 21:27
2-Butanone		257		ug/L	250	103%	70 - 144	1	37	10A3723		01/30/10 21:27
tert-Butylbenzene		53.9		ug/L	50.0	108%	76 - 135	7	20	10A3723		01/30/10 21:27
n-Butylbenzene		51.6		ug/L	50.0	103%	68 - 140	7	11	10A3723		01/30/10 21:27
sec-Butylbenzene		52.5		ug/L	50.0	105%	72 - 140	5	21	10A3723		01/30/10 21:27
Carbon disulfide		40.0		ug/L	50.0	80%	74 - 137	7	28	10A3723		01/30/10 21:27
Carbon Tetrachloride		45.4		ug/L	50.0	91%	71 - 137	6	26	10A3723		01/30/10 21:27
Chlorobenzene		48.3		ug/L	50.0	97%	80 - 121	5	11	10A3723		01/30/10 21:27
Chlorodibromomethane		50.4		ug/L	50.0	101%	68 - 137	2	16	10A3723		01/30/10 21:27
Chloroethane		49.8		ug/L	50.0	100%	50 - 146	8	35	10A3723		01/30/10 21:27
Chloroform		49.6		ug/L	50.0	99%	73 - 131	6	32	10A3723		01/30/10 21:27
Chloromethane		26.6		ug/L	50.0	53%	30 - 132	7	34	10A3723		01/30/10 21:27
Cyclohexane		43.8		ug/L	50.0	88%	58 - 136	7	13	10A3723		01/30/10 21:27
1,2-Dibromo-3-chloropropane		54.9		ug/L	50.0	110%	56 - 145	0.8	21	10A3723		01/30/10 21:27
1,2-Dibromoethane (EDB)		52.1		ug/L	50.0	104%	80 - 135	7	10	10A3723		01/30/10 21:27
Methylcyclohexane		45.7		ug/L	50.0	91%	64 - 131	6	13	10A3723		01/30/10 21:27
1,2-Dichlorobenzene		54.7		ug/L	50.0	109%	80 - 125	4	11	10A3723		01/30/10 21:27
1,3-Dichlorobenzene		51.5		ug/L	50.0	103%	80 - 128	6	18	10A3723		01/30/10 21:27
1,4-Dichlorobenzene		48.7		ug/L	50.0	97%	80 - 120	4	10	10A3723		01/30/10 21:27
Dichlorodifluoromethane		38.4		ug/L	50.0	77%	30 - 132	7	32	10A3723		01/30/10 21:27
1,2-Dichloroethane		45.2		ug/L	50.0	90%	70 - 134	3	25	10A3723		01/30/10 21:27
1,1-Dichloroethane		44.5		ug/L	50.0	89%	75 - 125	7	34	10A3723		01/30/10 21:27
1,1-Dichloroethene		43.1		ug/L	50.0	86%	73 - 125	7	31	10A3723		01/30/10 21:27
trans-1,2-Dichloroethene		42.3		ug/L	50.0	85%	77 - 125	7	32	10A3723		01/30/10 21:27
1,1,2-Trifluorotrichloroethane		43.7		ug/L	50.0	87%	73 - 134	8	17	10A3723		01/30/10 21:27
cis-1,2-Dichloroethene		44.2		ug/L	50.0	88%	71 - 132	6	32	10A3723		01/30/10 21:27
1,2-Dichloropropane		46.2		ug/L	50.0	92%	72 - 120	5	11	10A3723		01/30/10 21:27
trans-1,3-Dichloropropene		48.3		ug/L	50.0	97%	62 - 139	6	26	10A3723		01/30/10 21:27
cis-1,3-Dichloropropene		52.6		ug/L	50.0	105%	70 - 140	6	35	10A3723		01/30/10 21:27
Ethylbenzene		47.5		ug/L	50.0	95%	78 - 133	5	12	10A3723		01/30/10 21:27
2-Hexanone		250		ug/L	250	100%	60 - 150	1	20	10A3723		01/30/10 21:27
Isopropylbenzene		50.6		ug/L	50.0	101%	69 - 120	5	15	10A3723		01/30/10 21:27
p-Isopropyltoluene		50.0		ug/L	50.0	100%	72 - 134	6	18	10A3723		01/30/10 21:27
Methyl Acetate		74.9	L	ug/L	50.0	150%	43 - 127	0.03	40	10A3723		01/30/10 21:27
Methyl tert-Butyl Ether		47.4		ug/L	50.0	95%	76 - 120	3	32	10A3723		01/30/10 21:27
Methylene Chloride		49.8		ug/L	50.0	100%	80 - 133	4	36	10A3723		01/30/10 21:27
4-Methyl-2-pentanone		250		ug/L	250	100%	62 - 146	2	35	10A3723		01/30/10 21:27

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Work Order: NTA1891  
Project Name: Liberty Fibers  
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Received: 01/26/10 08:00

**PROJECT QUALITY CONTROL DATA**  
**LCS Dup - Cont.**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10A3723-BSD1</b>												
Naphthalene		58.2		ug/L	50.0	116%	71 - 139	2	30	10A3723		01/30/10 21:27
n-Propylbenzene		49.6		ug/L	50.0	99%	70 - 143	7	23	10A3723		01/30/10 21:27
Styrene		52.3		ug/L	50.0	105%	80 - 136	5	29	10A3723		01/30/10 21:27
1,1,2,2-Tetrachloroethane		53.2		ug/L	50.0	106%	73 - 131	1	28	10A3723		01/30/10 21:27
Tetrachloroethene		48.4		ug/L	50.0	97%	77 - 131	6	16	10A3723		01/30/10 21:27
Toluene		46.8		ug/L	50.0	94%	78 - 125	6	35	10A3723		01/30/10 21:27
1,2,4-Trichlorobenzene		60.3		ug/L	50.0	121%	74 - 136	3	23	10A3723		01/30/10 21:27
1,2,3-Trichlorobenzene		59.1		ug/L	50.0	118%	71 - 138	4	28	10A3723		01/30/10 21:27
1,1,1-Trichloroethane		46.2		ug/L	50.0	92%	75 - 137	7	29	10A3723		01/30/10 21:27
1,1,2-Trichloroethane		50.1		ug/L	50.0	100%	80 - 123	1	21	10A3723		01/30/10 21:27
Trichloroethene		51.5		ug/L	50.0	103%	74 - 139	9	11	10A3723		01/30/10 21:27
Trichlorofluoromethane		38.0		ug/L	50.0	76%	60 - 133	10	33	10A3723		01/30/10 21:27
1,3,5-Trimethylbenzene		51.5		ug/L	50.0	103%	75 - 134	6	21	10A3723		01/30/10 21:27
1,2,4-Trimethylbenzene		52.8		ug/L	50.0	106%	77 - 134	4	20	10A3723		01/30/10 21:27
Vinyl chloride		45.1		ug/L	50.0	90%	60 - 122	9	32	10A3723		01/30/10 21:27
o-Xylene		49.6		ug/L	50.0	99%	66 - 150	5	27	10A3723		01/30/10 21:27
m,p-Xylene		94.4		ug/L	100	94%	78 - 132	5	16	10A3723		01/30/10 21:27
Xylenes, total		144		ug/L	150	96%	78 - 134	5	18	10A3723		01/30/10 21:27
Surrogate: 1,2-Dichloroethane-d4		22.5		ug/L	25.0	90%	63 - 140			10A3723		01/30/10 21:27
Surrogate: Dibromofluoromethane		24.0		ug/L	25.0	96%	73 - 131			10A3723		01/30/10 21:27
Surrogate: Toluene-d8		24.0		ug/L	25.0	96%	80 - 120			10A3723		01/30/10 21:27
Surrogate: 4-Bromofluorobenzene		25.6		ug/L	25.0	102%	79 - 125			10A3723		01/30/10 21:27
<b>10B0181-BSD1</b>												
Acetone		221		ug/kg	250	89%	60 - 150	6	50	10B0181		02/01/10 13:33
Benzene		53.4		ug/kg	50.0	107%	78 - 126	3	50	10B0181		02/01/10 13:33
Bromochloromethane		56.2		ug/kg	50.0	112%	78 - 126	0.7	50	10B0181		02/01/10 13:33
Bromodichloromethane		51.0		ug/kg	50.0	102%	75 - 129	0.1	50	10B0181		02/01/10 13:33
Bromoform		51.9		ug/kg	50.0	104%	74 - 133	2	43	10B0181		02/01/10 13:33
Bromomethane		47.8	B	ug/kg	50.0	96%	50 - 150	1	46	10B0181		02/01/10 13:33
2-Butanone		241		ug/kg	250	96%	68 - 149	1	50	10B0181		02/01/10 13:33
Carbon disulfide		57.5		ug/kg	50.0	115%	80 - 132	1	48	10B0181		02/01/10 13:33
Carbon Tetrachloride		60.0		ug/kg	50.0	120%	70 - 138	0.3	44	10B0181		02/01/10 13:33
Chlorobenzene		54.0		ug/kg	50.0	108%	80 - 123	0.8	50	10B0181		02/01/10 13:33
Chlorodibromomethane		54.0		ug/kg	50.0	108%	80 - 127	2	48	10B0181		02/01/10 13:33
Chloroethane		48.0		ug/kg	50.0	96%	55 - 150	0.5	50	10B0181		02/01/10 13:33
Chloroform		52.1	B	ug/kg	50.0	104%	70 - 127	0.6	50	10B0181		02/01/10 13:33
Chloromethane		45.4		ug/kg	50.0	91%	36 - 137	0.09	44	10B0181		02/01/10 13:33
Cyclohexane		55.3		ug/kg	50.0	111%	67 - 126	1	40	10B0181		02/01/10 13:33
1,2-Dibromo-3-chloropropane		44.2		ug/kg	50.0	88%	62 - 150	2	45	10B0181		02/01/10 13:33
1,2-Dibromoethane (EDB)		53.5		ug/kg	50.0	107%	80 - 131	0.6	45	10B0181		02/01/10 13:33



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10B0181-BSD1</b>												
Methylcyclohexane		53.7		ug/kg	50.0	107%	74 - 122	0.1	27	10B0181		02/01/10 13:33
1,2-Dichlorobenzene		53.5		ug/kg	50.0	107%	80 - 127	1	50	10B0181		02/01/10 13:33
1,3-Dichlorobenzene		53.8		ug/kg	50.0	108%	80 - 131	0.06	50	10B0181		02/01/10 13:33
1,4-Dichlorobenzene		53.1		ug/kg	50.0	106%	80 - 129	0.3	50	10B0181		02/01/10 13:33
Dichlorodifluoromethane		41.6		ug/kg	50.0	83%	30 - 150	2	50	10B0181		02/01/10 13:33
1,2-Dichloroethane		52.5		ug/kg	50.0	105%	70 - 139	3	50	10B0181		02/01/10 13:33
1,1-Dichloroethane		54.0		ug/kg	50.0	108%	71 - 126	1	50	10B0181		02/01/10 13:33
1,1-Dichloroethene		53.1		ug/kg	50.0	106%	70 - 125	0.7	50	10B0181		02/01/10 13:33
trans-1,2-Dichloroethene		53.6		ug/kg	50.0	107%	73 - 128	0.5	40	10B0181		02/01/10 13:33
1,1,2-Trifluorotrichloroethane		54.3		ug/kg	50.0	109%	61 - 134	0.7	46	10B0181		02/01/10 13:33
cis-1,2-Dichloroethene		53.7		ug/kg	50.0	107%	75 - 126	0.7	50	10B0181		02/01/10 13:33
1,2-Dichloropropane		50.4		ug/kg	50.0	101%	75 - 120	0.8	50	10B0181		02/01/10 13:33
trans-1,3-Dichloropropene		48.8		ug/kg	50.0	98%	73 - 128	1	48	10B0181		02/01/10 13:33
cis-1,3-Dichloropropene		49.6		ug/kg	50.0	99%	74 - 136	0.9	50	10B0181		02/01/10 13:33
Ethylbenzene		55.5		ug/kg	50.0	111%	79 - 130	2	50	10B0181		02/01/10 13:33
2-Hexanone		212		ug/kg	250	85%	65 - 150	5	50	10B0181		02/01/10 13:33
Isopropylbenzene		57.2		ug/kg	50.0	114%	65 - 121	0.2	50	10B0181		02/01/10 13:33
Methyl Acetate		98.8	L	ug/kg	50.0	198%	11 - 150	12	50	10B0181		02/01/10 13:33
Methyl tert-Butyl Ether		50.7		ug/kg	50.0	101%	70 - 128	5	50	10B0181		02/01/10 13:33
Methylene Chloride		49.8		ug/kg	50.0	100%	69 - 140	1	50	10B0181		02/01/10 13:33
4-Methyl-2-pentanone		241		ug/kg	250	96%	67 - 147	7	45	10B0181		02/01/10 13:33
Styrene		57.7		ug/kg	50.0	115%	80 - 140	0.9	50	10B0181		02/01/10 13:33
1,1,2,2-Tetrachloroethane		49.4		ug/kg	50.0	99%	75 - 135	4	45	10B0181		02/01/10 13:33
Tetrachloroethene		57.4		ug/kg	50.0	115%	76 - 130	0.3	50	10B0181		02/01/10 13:33
Toluene		54.0		ug/kg	50.0	108%	76 - 126	1	50	10B0181		02/01/10 13:33
1,2,4-Trichlorobenzene		55.2		ug/kg	50.0	110%	64 - 150	2	50	10B0181		02/01/10 13:33
1,2,3-Trichlorobenzene		53.7		ug/kg	50.0	107%	75 - 150	0.9	50	10B0181		02/01/10 13:33
1,1,1-Trichloroethane		56.0		ug/kg	50.0	112%	70 - 132	0.9	41	10B0181		02/01/10 13:33
1,1,2-Trichloroethane		51.4		ug/kg	50.0	103%	73 - 133	3	50	10B0181		02/01/10 13:33
Trichloroethene		55.2		ug/kg	50.0	110%	79 - 129	0.4	50	10B0181		02/01/10 13:33
Trichlorofluoromethane		46.5		ug/kg	50.0	93%	52 - 148	0.9	47	10B0181		02/01/10 13:33
Vinyl chloride		48.5		ug/kg	50.0	97%	53 - 142	1	39	10B0181		02/01/10 13:33
Xylenes, total		168		ug/kg	150	112%	80 - 130	1	50	10B0181		02/01/10 13:33
Surrogate: 1,2-Dichloroethane-d4		47.7		ug/kg	50.0	95%	67 - 138			10B0181		02/01/10 13:33
Surrogate: Dibromofluoromethane		49.6		ug/kg	50.0	99%	75 - 125			10B0181		02/01/10 13:33
Surrogate: Toluene-d8		51.8		ug/kg	50.0	104%	76 - 129			10B0181		02/01/10 13:33
Surrogate: 4-Bromofluorobenzene		48.8		ug/kg	50.0	98%	67 - 147			10B0181		02/01/10 13:33
<b>10B0276-BSD1</b>												
Acetone		227		ug/kg	250	91%	60 - 150	11	50	10B0276		02/02/10 13:21
Benzene		43.7		ug/kg	50.0	87%	78 - 126	6	50	10B0276		02/02/10 13:21

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10B0276-BSD1</b>												
Bromochloromethane		43.5		ug/kg	50.0	87%	78 - 126	2	50	10B0276		02/02/10 13:21
Bromodichloromethane		42.7		ug/kg	50.0	85%	75 - 129	6	50	10B0276		02/02/10 13:21
Bromoform		47.1		ug/kg	50.0	94%	74 - 133	1	43	10B0276		02/02/10 13:21
Bromomethane		44.5		ug/kg	50.0	89%	50 - 150	8	46	10B0276		02/02/10 13:21
2-Butanone		236		ug/kg	250	94%	68 - 149	10	50	10B0276		02/02/10 13:21
Carbon disulfide		49.0		ug/kg	50.0	98%	80 - 132	10	48	10B0276		02/02/10 13:21
Carbon Tetrachloride		45.6		ug/kg	50.0	91%	70 - 138	7	44	10B0276		02/02/10 13:21
Chlorobenzene		52.5		ug/kg	50.0	105%	80 - 123	0.4	50	10B0276		02/02/10 13:21
Chlorodibromomethane		55.8		ug/kg	50.0	112%	80 - 127	2	48	10B0276		02/02/10 13:21
Chloroethane		44.8		ug/kg	50.0	90%	55 - 150	7	50	10B0276		02/02/10 13:21
Chloroform		42.3		ug/kg	50.0	85%	70 - 127	6	50	10B0276		02/02/10 13:21
Chloromethane		49.6		ug/kg	50.0	99%	36 - 137	11	44	10B0276		02/02/10 13:21
Cyclohexane		43.4		ug/kg	50.0	87%	67 - 126	6	40	10B0276		02/02/10 13:21
1,2-Dibromo-3-chloropropane		47.1		ug/kg	50.0	94%	62 - 150	5	45	10B0276		02/02/10 13:21
1,2-Dibromoethane (EDB)		57.5		ug/kg	50.0	115%	80 - 131	4	45	10B0276		02/02/10 13:21
Methylcyclohexane		44.5		ug/kg	50.0	89%	74 - 122	4	27	10B0276		02/02/10 13:21
1,2-Dichlorobenzene		53.5		ug/kg	50.0	107%	80 - 127	0.09	50	10B0276		02/02/10 13:21
1,3-Dichlorobenzene		54.5		ug/kg	50.0	109%	80 - 131	0.5	50	10B0276		02/02/10 13:21
1,4-Dichlorobenzene		51.5		ug/kg	50.0	103%	80 - 129	0.5	50	10B0276		02/02/10 13:21
Dichlorodifluoromethane		52.0		ug/kg	50.0	104%	30 - 150	10	50	10B0276		02/02/10 13:21
1,2-Dichloroethane		43.3		ug/kg	50.0	87%	70 - 139	2	50	10B0276		02/02/10 13:21
1,1-Dichloroethane		42.9		ug/kg	50.0	86%	71 - 126	7	50	10B0276		02/02/10 13:21
1,1-Dichloroethene		46.3		ug/kg	50.0	93%	70 - 125	4	50	10B0276		02/02/10 13:21
trans-1,2-Dichloroethene		44.4		ug/kg	50.0	89%	73 - 128	6	40	10B0276		02/02/10 13:21
1,1,2-Trifluorotrichloroethane		48.0		ug/kg	50.0	96%	61 - 134	2	46	10B0276		02/02/10 13:21
cis-1,2-Dichloroethene		45.1		ug/kg	50.0	90%	75 - 126	7	50	10B0276		02/02/10 13:21
1,2-Dichloropropane		39.8		ug/kg	50.0	80%	75 - 120	4	50	10B0276		02/02/10 13:21
trans-1,3-Dichloropropene		48.6		ug/kg	50.0	97%	73 - 128	0.7	48	10B0276		02/02/10 13:21
cis-1,3-Dichloropropene		59.1		ug/kg	50.0	118%	74 - 136	5	50	10B0276		02/02/10 13:21
Ethylbenzene		58.7		ug/kg	50.0	117%	79 - 130	2	50	10B0276		02/02/10 13:21
2-Hexanone		296		ug/kg	250	118%	65 - 150	12	50	10B0276		02/02/10 13:21
Isopropylbenzene		56.1		ug/kg	50.0	112%	65 - 121	3	50	10B0276		02/02/10 13:21
Methyl Acetate		101	L	ug/kg	50.0	202%	11 - 150	18	50	10B0276		02/02/10 13:21
Methyl tert-Butyl Ether		44.4		ug/kg	50.0	89%	70 - 128	2	50	10B0276		02/02/10 13:21
Methylene Chloride		43.0		ug/kg	50.0	86%	69 - 140	8	50	10B0276		02/02/10 13:21
4-Methyl-2-pentanone		304		ug/kg	250	122%	67 - 147	11	45	10B0276		02/02/10 13:21
Styrene		57.5		ug/kg	50.0	115%	80 - 140	2	50	10B0276		02/02/10 13:21
1,1,2,2-Tetrachloroethane		52.8		ug/kg	50.0	106%	75 - 135	6	45	10B0276		02/02/10 13:21
Tetrachloroethene		55.0		ug/kg	50.0	110%	76 - 130	0.2	50	10B0276		02/02/10 13:21
Toluene		56.6		ug/kg	50.0	113%	76 - 126	2	50	10B0276		02/02/10 13:21
1,2,4-Trichlorobenzene		60.3		ug/kg	50.0	121%	64 - 150	0.2	50	10B0276		02/02/10 13:21

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10B0276-BSD1</b>												
1,2,3-Trichlorobenzene		59.5		ug/kg	50.0	119%	75 - 150	2	50	10B0276		02/02/10 13:21
1,1,1-Trichloroethane		43.9		ug/kg	50.0	88%	70 - 132	7	41	10B0276		02/02/10 13:21
1,1,2-Trichloroethane		53.1		ug/kg	50.0	106%	73 - 133	3	50	10B0276		02/02/10 13:21
Trichloroethene		44.2		ug/kg	50.0	88%	79 - 129	6	50	10B0276		02/02/10 13:21
Trichlorofluoromethane		43.0		ug/kg	50.0	86%	52 - 148	6	47	10B0276		02/02/10 13:21
Vinyl chloride		48.1		ug/kg	50.0	96%	53 - 142	12	39	10B0276		02/02/10 13:21
Xylenes, total		176		ug/kg	150	118%	80 - 130	1	50	10B0276		02/02/10 13:21
Surrogate: 1,2-Dichloroethane-d4		47.5		ug/kg	50.0	95%	67 - 138			10B0276		02/02/10 13:21
Surrogate: Dibromofluoromethane		45.8		ug/kg	50.0	92%	75 - 125			10B0276		02/02/10 13:21
Surrogate: Toluene-d8		57.4		ug/kg	50.0	115%	76 - 129			10B0276		02/02/10 13:21
Surrogate: 4-Bromofluorobenzene		49.6		ug/kg	50.0	99%	67 - 147			10B0276		02/02/10 13:21
<b>10B0358-BSD1</b>												
Acetone		321		ug/L	250	128%	56 - 150	4	31	10B0358		02/01/10 12:00
Benzene		45.2		ug/L	50.0	90%	80 - 121	0.5	12	10B0358		02/01/10 12:00
Bromochloromethane		49.6		ug/L	50.0	99%	73 - 137	2	32	10B0358		02/01/10 12:00
Bromodichloromethane		50.4		ug/L	50.0	101%	75 - 131	6	13	10B0358		02/01/10 12:00
Bromoform		43.1		ug/L	50.0	86%	65 - 140	4	18	10B0358		02/01/10 12:00
Bromomethane		43.9		ug/L	50.0	88%	50 - 150	2	50	10B0358		02/01/10 12:00
2-Butanone		248		ug/L	250	99%	70 - 144	7	37	10B0358		02/01/10 12:00
tert-Butylbenzene		42.4		ug/L	50.0	85%	76 - 135	5	20	10B0358		02/01/10 12:00
n-Butylbenzene		44.9		ug/L	50.0	90%	68 - 140	9	11	10B0358		02/01/10 12:00
sec-Butylbenzene		42.2		ug/L	50.0	84%	72 - 140	4	21	10B0358		02/01/10 12:00
Carbon disulfide		52.7		ug/L	50.0	105%	74 - 137	4	28	10B0358		02/01/10 12:00
Carbon Tetrachloride		51.3		ug/L	50.0	103%	71 - 137	0.5	26	10B0358		02/01/10 12:00
Chlorobenzene		43.5		ug/L	50.0	87%	80 - 121	3	11	10B0358		02/01/10 12:00
Chlorodibromomethane		42.8		ug/L	50.0	86%	68 - 137	4	16	10B0358		02/01/10 12:00
Chloroethane		41.5		ug/L	50.0	83%	50 - 146	10	35	10B0358		02/01/10 12:00
Chloroform		50.4		ug/L	50.0	101%	73 - 131	1	32	10B0358		02/01/10 12:00
Chloromethane		39.2		ug/L	50.0	78%	30 - 132	4	34	10B0358		02/01/10 12:00
Cyclohexane		44.1		ug/L	50.0	88%	58 - 136	0.2	13	10B0358		02/01/10 12:00
1,2-Dibromo-3-chloropropane		45.3		ug/L	50.0	91%	56 - 145	6	21	10B0358		02/01/10 12:00
1,2-Dibromoethane (EDB)		45.7		ug/L	50.0	91%	80 - 135	6	10	10B0358		02/01/10 12:00
Methylcyclohexane		42.5		ug/L	50.0	85%	64 - 131	1	13	10B0358		02/01/10 12:00
1,2-Dichlorobenzene		46.1		ug/L	50.0	92%	80 - 125	7	11	10B0358		02/01/10 12:00
1,3-Dichlorobenzene		43.5		ug/L	50.0	87%	80 - 128	2	18	10B0358		02/01/10 12:00
1,4-Dichlorobenzene		42.2		ug/L	50.0	84%	80 - 120	1	10	10B0358		02/01/10 12:00
Dichlorodifluoromethane		37.7		ug/L	50.0	75%	30 - 132	4	32	10B0358		02/01/10 12:00
1,2-Dichloroethane		47.6		ug/L	50.0	95%	70 - 134	0.1	25	10B0358		02/01/10 12:00
1,1-Dichloroethane		45.0		ug/L	50.0	90%	75 - 125	9	34	10B0358		02/01/10 12:00
1,1-Dichloroethene		45.0		ug/L	50.0	90%	73 - 125	9	31	10B0358		02/01/10 12:00

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Work Order: NTA1891  
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Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10B0358-BSD1</b>												
trans-1,2-Dichloroethene		48.8		ug/L	50.0	98%	77 - 125	6	32	10B0358		02/01/10 12:00
1,1,2-Trifluorotrichloroethane		46.9		ug/L	50.0	94%	73 - 134	9	17	10B0358		02/01/10 12:00
cis-1,2-Dichloroethene		47.2		ug/L	50.0	94%	71 - 132	3	32	10B0358		02/01/10 12:00
1,2-Dichloropropane		44.1		ug/L	50.0	88%	72 - 120	5	11	10B0358		02/01/10 12:00
trans-1,3-Dichloropropene		47.9		ug/L	50.0	96%	62 - 139	5	26	10B0358		02/01/10 12:00
cis-1,3-Dichloropropene		45.7		ug/L	50.0	91%	70 - 140	6	35	10B0358		02/01/10 12:00
Ethylbenzene		43.3		ug/L	50.0	87%	78 - 133	3	12	10B0358		02/01/10 12:00
2-Hexanone		249		ug/L	250	100%	60 - 150	7	20	10B0358		02/01/10 12:00
Isopropylbenzene		44.0		ug/L	50.0	88%	69 - 120	4	15	10B0358		02/01/10 12:00
p-Isopropyltoluene		41.6		ug/L	50.0	83%	72 - 134	3	18	10B0358		02/01/10 12:00
Methyl Acetate		85.1	L	ug/L	50.0	170%	43 - 127	10	40	10B0358		02/01/10 12:00
Methyl tert-Butyl Ether		49.0		ug/L	50.0	98%	76 - 120	13	32	10B0358		02/01/10 12:00
Methylene Chloride		52.9		ug/L	50.0	106%	80 - 133	7	36	10B0358		02/01/10 12:00
4-Methyl-2-pentanone		230		ug/L	250	92%	62 - 146	8	35	10B0358		02/01/10 12:00
Naphthalene		48.2		ug/L	50.0	96%	71 - 139	2	30	10B0358		02/01/10 12:00
n-Propylbenzene		43.8		ug/L	50.0	88%	70 - 143	9	23	10B0358		02/01/10 12:00
Styrene		46.9		ug/L	50.0	94%	80 - 136	4	29	10B0358		02/01/10 12:00
1,1,2,2-Tetrachloroethane		49.1		ug/L	50.0	98%	73 - 131	4	28	10B0358		02/01/10 12:00
Tetrachloroethene		41.8		ug/L	50.0	84%	77 - 131	4	16	10B0358		02/01/10 12:00
Toluene		42.7		ug/L	50.0	85%	78 - 125	4	35	10B0358		02/01/10 12:00
1,2,4-Trichlorobenzene		48.2		ug/L	50.0	96%	74 - 136	1	23	10B0358		02/01/10 12:00
1,2,3-Trichlorobenzene		47.4		ug/L	50.0	95%	71 - 138	2	28	10B0358		02/01/10 12:00
1,1,1-Trichloroethane		46.8		ug/L	50.0	94%	75 - 137	0.1	29	10B0358		02/01/10 12:00
1,1,2-Trichloroethane		44.6		ug/L	50.0	89%	80 - 123	5	21	10B0358		02/01/10 12:00
Trichloroethene		44.7		ug/L	50.0	89%	74 - 139	3	11	10B0358		02/01/10 12:00
Trichlorofluoromethane		43.1		ug/L	50.0	86%	60 - 133	6	33	10B0358		02/01/10 12:00
1,3,5-Trimethylbenzene		45.4		ug/L	50.0	91%	75 - 134	8	21	10B0358		02/01/10 12:00
1,2,4-Trimethylbenzene		44.3		ug/L	50.0	89%	77 - 134	4	20	10B0358		02/01/10 12:00
Vinyl chloride		43.1		ug/L	50.0	86%	60 - 122	4	32	10B0358		02/01/10 12:00
o-Xylene		44.2		ug/L	50.0	88%	66 - 150	3	27	10B0358		02/01/10 12:00
m,p-Xylene		87.7		ug/L	100	88%	78 - 132	3	16	10B0358		02/01/10 12:00
Xylenes, total		132		ug/L	150	88%	78 - 134	3	18	10B0358		02/01/10 12:00
Surrogate: 1,2-Dichloroethane-d4		24.5		ug/L	25.0	98%	63 - 140			10B0358		02/01/10 12:00
Surrogate: Dibromofluoromethane		26.0		ug/L	25.0	104%	73 - 131			10B0358		02/01/10 12:00
Surrogate: Toluene-d8		24.1		ug/L	25.0	96%	80 - 120			10B0358		02/01/10 12:00
Surrogate: 4-Bromofluorobenzene		26.2		ug/L	25.0	105%	79 - 125			10B0358		02/01/10 12:00

## Semivolatile Organic Compounds by EPA Method 8270C

### 10A3596-BSD1

Acenaphthylene	43.4	ug/L	50.0	87%	53 - 120	12	22	10A3596	01/28/10 18:53
Acetophenone	37.8	ug/L	50.0	76%	52 - 133	16	50	10A3596	01/28/10 18:53



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

**PROJECT QUALITY CONTROL DATA**  
**LCS Dup - Cont.**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>												
<b>10A3596-BSD1</b>												
alpha-Terpineol		47.7		ug/L	50.0	95%	58 - 150	16	50	10A3596		01/28/10 18:53
Aniline		30.1	R	ug/L	50.0	60%	10 - 150	57	50	10A3596		01/28/10 18:53
Anthracene		52.6		ug/L	50.0	105%	63 - 120	6	18	10A3596		01/28/10 18:53
Benzo (a) anthracene		48.3		ug/L	50.0	97%	57 - 122	8	20	10A3596		01/28/10 18:53
Benzo (a) pyrene		47.5		ug/L	50.0	95%	46 - 138	7	24	10A3596		01/28/10 18:53
Benzo (b) fluoranthene		47.3		ug/L	50.0	95%	45 - 138	10	36	10A3596		01/28/10 18:53
Benzo (g,h,i) perylene		42.5		ug/L	50.0	85%	48 - 137	10	19	10A3596		01/28/10 18:53
Benzo (k) fluoranthene		47.1		ug/L	50.0	94%	44 - 134	9	34	10A3596		01/28/10 18:53
Benzyl alcohol		41.3		ug/L	50.0	83%	45 - 120	14	50	10A3596		01/28/10 18:53
4-Bromophenyl phenyl ether		42.8		ug/L	50.0	86%	52 - 120	6	16	10A3596		01/28/10 18:53
Butyl benzyl phthalate		45.1		ug/L	50.0	90%	61 - 133	8	19	10A3596		01/28/10 18:53
Carbazole		49.1		ug/L	50.0	98%	60 - 120	6	18	10A3596		01/28/10 18:53
4-Chloro-3-methylphenol		42.3		ug/L	50.0	85%	49 - 120	5	37	10A3596		01/28/10 18:53
4-Chloroaniline		33.9		ug/L	50.0	68%	39 - 120	19	36	10A3596		01/28/10 18:53
Bis(2-chloroethoxy)methane		31.2		ug/L	50.0	62%	43 - 120	14	28	10A3596		01/28/10 18:53
Bis(2-chloroethyl)ether		29.4	R	ug/L	50.0	59%	43 - 120	34	19	10A3596		01/28/10 18:53
Bis(2-chloroisopropyl)ether		35.2		ug/L	50.0	70%	45 - 120	20	20	10A3596		01/28/10 18:53
2-Chloronaphthalene		38.8		ug/L	50.0	78%	43 - 120	16	25	10A3596		01/28/10 18:53
2-Chlorophenol		36.8		ug/L	50.0	74%	40 - 120	18	18	10A3596		01/28/10 18:53
4-Chlorophenyl phenyl ether		45.9		ug/L	50.0	92%	56 - 120	11	19	10A3596		01/28/10 18:53
Chrysene		45.8		ug/L	50.0	92%	54 - 123	8	20	10A3596		01/28/10 18:53
Dibenz (a,h) anthracene		46.8		ug/L	50.0	94%	50 - 136	10	18	10A3596		01/28/10 18:53
Dibenzofuran		47.4		ug/L	50.0	95%	55 - 120	11	20	10A3596		01/28/10 18:53
Di-n-butyl phthalate		49.4		ug/L	50.0	99%	64 - 120	7	19	10A3596		01/28/10 18:53
1,3-Dichlorobenzene		33.3		ug/L	50.0	67%	27 - 120	27	34	10A3596		01/28/10 18:53
1,2-Dichlorobenzene		33.5		ug/L	50.0	67%	29 - 120	26	33	10A3596		01/28/10 18:53
1,4-Dichlorobenzene		32.7		ug/L	50.0	65%	27 - 120	27	33	10A3596		01/28/10 18:53
3,3-Dichlorobenzidine		45.6		ug/L	50.0	91%	49 - 120	13	27	10A3596		01/28/10 18:53
2,4-Dichlorophenol		32.9		ug/L	50.0	66%	39 - 120	18	21	10A3596		01/28/10 18:53
Diethyl phthalate		48.1		ug/L	50.0	96%	53 - 120	10	25	10A3596		01/28/10 18:53
2,4-Dimethylphenol		41.2		ug/L	50.0	82%	28 - 123	11	50	10A3596		01/28/10 18:53
Dimethyl phthalate		46.8		ug/L	50.0	94%	59 - 120	10	20	10A3596		01/28/10 18:53
4,6-Dinitro-2-methylphenol		46.1		ug/L	50.0	92%	35 - 132	7	24	10A3596		01/28/10 18:53
1,3-Dinitrobenzene		50.2		ug/L	50.0	100%	50 - 150	10	50	10A3596		01/28/10 18:53
2,4-Dinitrophenol		48.3		ug/L	50.0	97%	21 - 145	13	28	10A3596		01/28/10 18:53
2,4-Dinitrotoluene		45.0		ug/L	50.0	90%	61 - 124	8	21	10A3596		01/28/10 18:53
2,6-Dinitrotoluene		45.0		ug/L	50.0	90%	62 - 123	8	24	10A3596		01/28/10 18:53
Di-n-octyl phthalate		48.1		ug/L	50.0	96%	51 - 141	5	21	10A3596		01/28/10 18:53
1,2-Diphenylhydrazine		52.5		ug/L	50.0	105%	53 - 128	3	50	10A3596		01/28/10 18:53
Bis(2-ethylhexyl)phthalate		42.1		ug/L	50.0	84%	54 - 134	9	19	10A3596		01/28/10 18:53
Fluoranthene		51.0		ug/L	50.0	102%	62 - 120	8	18	10A3596		01/28/10 18:53

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>												
<b>10A3596-BSD1</b>												
Fluorene		47.7		ug/L	50.0	95%	58 - 120	9	21	10A3596		01/28/10 18:53
Hexachlorobenzene		43.8		ug/L	50.0	88%	60 - 120	11	19	10A3596		01/28/10 18:53
Hexachlorobutadiene		32.2		ug/L	50.0	64%	24 - 120	29	38	10A3596		01/28/10 18:53
Hexachlorocyclopentadiene		23.8		ug/L	50.0	48%	19 - 120	26	38	10A3596		01/28/10 18:53
Hexachloroethane		33.4		ug/L	50.0	67%	26 - 120	28	40	10A3596		01/28/10 18:53
Indeno (1,2,3-cd) pyrene		46.3		ug/L	50.0	93%	50 - 136	9	18	10A3596		01/28/10 18:53
Isophorone		37.7		ug/L	50.0	75%	46 - 120	11	34	10A3596		01/28/10 18:53
1-Methylnaphthalene		31.9		ug/L	50.0	64%	34 - 120	19	45	10A3596		01/28/10 18:53
2-Methylnaphthalene		34.7		ug/L	50.0	69%	34 - 120	19	48	10A3596		01/28/10 18:53
2-Methylphenol		36.1		ug/L	50.0	72%	38 - 120	13	19	10A3596		01/28/10 18:53
3/4-Methylphenol		32.2		ug/L	50.0	64%	34 - 120	11	24	10A3596		01/28/10 18:53
Naphthalene		32.4		ug/L	50.0	65%	32 - 120	21	45	10A3596		01/28/10 18:53
4-Nitroaniline		51.5		ug/L	50.0	103%	55 - 124	8	23	10A3596		01/28/10 18:53
2-Nitroaniline		49.1		ug/L	50.0	98%	59 - 121	4	25	10A3596		01/28/10 18:53
3-Nitroaniline		46.7		ug/L	50.0	93%	54 - 120	10	23	10A3596		01/28/10 18:53
Nitrobenzene		35.2		ug/L	50.0	70%	44 - 120	13	34	10A3596		01/28/10 18:53
2-Nitrophenol		33.4		ug/L	50.0	67%	42 - 120	20	35	10A3596		01/28/10 18:53
4-Nitrophenol		22.7		ug/L	50.0	45%	10 - 120	1	29	10A3596		01/28/10 18:53
N-Nitrosodimethylamine		23.5		ug/L	50.0	47%	10 - 150	16	50	10A3596		01/28/10 18:53
N-Nitrosodiphenylamine		52.8		ug/L	50.0	106%	59 - 120	5	23	10A3596		01/28/10 18:53
N-Nitrosodi-n-propylamine		42.2		ug/L	50.0	84%	50 - 121	9	19	10A3596		01/28/10 18:53
Pentachlorophenol		47.6		ug/L	50.0	95%	36 - 143	6	24	10A3596		01/28/10 18:53
Phenanthrene		47.1		ug/L	50.0	94%	60 - 120	6	19	10A3596		01/28/10 18:53
Phenol		16.9		ug/L	50.0	34%	10 - 120	21	27	10A3596		01/28/10 18:53
Pyrene		44.8		ug/L	50.0	90%	57 - 124	7	19	10A3596		01/28/10 18:53
Pyridine		7.36	R	ug/L	50.0	15%	10 - 120	80	50	10A3596		01/28/10 18:53
2,3,4,6-Tetrachlorophenol		52.5		ug/L	50.0	105%	45 - 150	11	50	10A3596		01/28/10 18:53
1,2,4-Trichlorobenzene		28.6		ug/L	50.0	57%	27 - 120	28	34	10A3596		01/28/10 18:53
2,4,6-Trichlorophenol		46.4		ug/L	50.0	93%	48 - 125	13	26	10A3596		01/28/10 18:53
2,4,5-Trichlorophenol		45.6		ug/L	50.0	91%	51 - 125	10	26	10A3596		01/28/10 18:53
Surrogate: 2-Fluorophenol		18.2		ug/L	50.0	36%	10 - 120			10A3596		01/28/10 18:53
Surrogate: Phenol-d5		14.1		ug/L	50.0	28%	10 - 120			10A3596		01/28/10 18:53
Surrogate: Nitrobenzene-d5		34.2		ug/L	50.0	68%	27 - 120			10A3596		01/28/10 18:53
Surrogate: 2-Fluorobiphenyl		40.2		ug/L	50.0	80%	29 - 120			10A3596		01/28/10 18:53
Surrogate: 2,4,6-Tribromophenol		42.2		ug/L	50.0	84%	29 - 132			10A3596		01/28/10 18:53
Surrogate: Terphenyl-d14		40.3		ug/L	50.0	81%	13 - 120			10A3596		01/28/10 18:53
<b>10A3612-BSD1</b>												
Acenaphthene		1.41		mg/kg	1.67	85%	49 - 120	69	40	10A3612		01/31/10 17:10
Acenaphthylene		1.47		mg/kg	1.67	88%	52 - 120	64	30	10A3612		01/31/10 17:10
Acetophenone		1.09		mg/kg	1.67	65%	26 - 127	63	50	10A3612		01/31/10 17:10

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>												
<b>10A3612-BSD1</b>												
Anthracene		1.67		mg/kg	1.67	100%	58 - 120	58	50	10A3612		01/31/10 17:10
Benzo (a) anthracene		1.57		mg/kg	1.67	94%	57 - 120	61	30	10A3612		01/31/10 17:10
Benzo (b) fluoranthene		1.49		mg/kg	1.67	90%	51 - 123	69	42	10A3612		01/31/10 17:10
Benzo (a) pyrene		1.54		mg/kg	1.67	93%	55 - 120	65	33	10A3612		01/31/10 17:10
Benzo (g,h,i) perylene		1.60		mg/kg	1.67	96%	49 - 121	68	32	10A3612		01/31/10 17:10
Benzo (k) fluoranthene		1.63		mg/kg	1.67	98%	42 - 129	51	39	10A3612		01/31/10 17:10
4-Bromophenyl phenyl ether		1.44		mg/kg	1.67	86%	49 - 120	68	31	10A3612		01/31/10 17:10
Butyl benzyl phthalate		1.68		mg/kg	1.67	101%	59 - 124	59	37	10A3612		01/31/10 17:10
4-Chloro-3-methylphenol		1.37		mg/kg	1.67	82%	49 - 120	56	34	10A3612		01/31/10 17:10
4-Chloroaniline		1.24		mg/kg	1.67	75%	41 - 120	55	43	10A3612		01/31/10 17:10
Carbazole		1.52		mg/kg	1.67	91%	54 - 120	59	29	10A3612		01/31/10 17:10
2-Chloronaphthalene		1.38		mg/kg	1.67	83%	45 - 120	71	34	10A3612		01/31/10 17:10
Bis(2-chloroethoxy)methane		1.15		mg/kg	1.67	69%	37 - 120	54	41	10A3612		01/31/10 17:10
Bis(2-chloroethyl)ether		1.31		mg/kg	1.67	78%	29 - 120	65	41	10A3612		01/31/10 17:10
Bis(2-chloroisopropyl)ether		1.38		mg/kg	1.67	83%	28 - 120	67	50	10A3612		01/31/10 17:10
2-Chlorophenol		1.48		mg/kg	1.67	89%	42 - 120	69	45	10A3612		01/31/10 17:10
4-Chlorophenyl phenyl ether		1.56		mg/kg	1.67	93%	52 - 120	73	31	10A3612		01/31/10 17:10
Chrysene		1.54		mg/kg	1.67	93%	55 - 120	53	34	10A3612		01/31/10 17:10
Dibenz (a,h) anthracene		1.70		mg/kg	1.67	102%	50 - 123	73	31	10A3612		01/31/10 17:10
Dibenzofuran		1.55		mg/kg	1.67	93%	54 - 120	65	39	10A3612		01/31/10 17:10
Di-n-butyl phthalate		1.70		mg/kg	1.67	102%	58 - 120	51	29	10A3612		01/31/10 17:10
3,3-Dichlorobenzidine		1.48		mg/kg	1.67	89%	54 - 120	65	35	10A3612		01/31/10 17:10
2,4-Dichlorophenol		1.22		mg/kg	1.67	73%	43 - 120	58	35	10A3612		01/31/10 17:10
Diethyl phthalate		1.65		mg/kg	1.67	99%	52 - 120	62	33	10A3612		01/31/10 17:10
2,4-Dimethylphenol		1.42		mg/kg	1.67	85%	47 - 120	62	50	10A3612		01/31/10 17:10
Dimethyl phthalate		1.59		mg/kg	1.67	96%	55 - 120	64	31	10A3612		01/31/10 17:10
4,6-Dinitro-2-methylphenol		1.45		mg/kg	1.67	87%	27 - 134	73	50	10A3612		01/31/10 17:10
2,4-Dinitrophenol		1.49		mg/kg	1.67	89%	15 - 145	70	50	10A3612		01/31/10 17:10
2,6-Dinitrotoluene		1.52		mg/kg	1.67	91%	56 - 120	69	34	10A3612		01/31/10 17:10
2,4-Dinitrotoluene		1.52		mg/kg	1.67	91%	55 - 122	69	31	10A3612		01/31/10 17:10
Di-n-octyl phthalate		1.75		mg/kg	1.67	105%	48 - 131	49	31	10A3612		01/31/10 17:10
Bis(2-ethylhexyl)phthalate		1.63		mg/kg	1.67	98%	51 - 127	58	32	10A3612		01/31/10 17:10
Fluoranthene		1.57		mg/kg	1.67	94%	58 - 120	55	35	10A3612		01/31/10 17:10
Fluorene		1.54		mg/kg	1.67	92%	54 - 120	70	37	10A3612		01/31/10 17:10
Hexachlorobenzene		1.54		mg/kg	1.67	92%	56 - 120	67	28	10A3612		01/31/10 17:10
Hexachlorobutadiene		1.46		mg/kg	1.67	88%	19 - 120	59	50	10A3612		01/31/10 17:10
Hexachlorocyclopentadiene		1.35		mg/kg	1.67	81%	11 - 120	76	50	10A3612		01/31/10 17:10
Hexachloroethane		1.50		mg/kg	1.67	90%	14 - 120	69	50	10A3612		01/31/10 17:10
Indeno (1,2,3-cd) pyrene		1.68		mg/kg	1.67	101%	50 - 122	71	32	10A3612		01/31/10 17:10
Isophorone		1.38		mg/kg	1.67	83%	43 - 120	50	36	10A3612		01/31/10 17:10
2-Methylnaphthalene		1.27		mg/kg	1.67	76%	36 - 120	58	50	10A3612		01/31/10 17:10

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Work Order: NTA1891  
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Received: 01/26/10 08:00

**PROJECT QUALITY CONTROL DATA**  
**LCS Dup - Cont.**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>												
<b>10A3612-BSD1</b>												
2-Methylphenol		1.59		mg/kg	1.67	95%	47 - 120	67	41	10A3612		01/31/10 17:10
3/4-Methylphenol		1.50		mg/kg	1.67	90%	53 - 135	65	39	10A3612		01/31/10 17:10
Naphthalene		1.25		mg/kg	1.67	75%	28 - 120	54	34	10A3612		01/31/10 17:10
2-Nitroaniline		1.42		mg/kg	1.67	85%	59 - 120	73	28	10A3612		01/31/10 17:10
3-Nitroaniline		1.45		mg/kg	1.67	87%	54 - 120	66	35	10A3612		01/31/10 17:10
4-Nitroaniline		1.51		mg/kg	1.67	91%	55 - 121	68	36	10A3612		01/31/10 17:10
Nitrobenzene		1.33		mg/kg	1.67	80%	30 - 120	52	44	10A3612		01/31/10 17:10
2-Nitrophenol		1.22		mg/kg	1.67	73%	36 - 120	56	43	10A3612		01/31/10 17:10
4-Nitrophenol		1.67		mg/kg	1.67	100%	44 - 133	77	47	10A3612		01/31/10 17:10
N-Nitrosodiphenylamine		1.76		mg/kg	1.67	106%	56 - 120	67	30	10A3612		01/31/10 17:10
N-Nitrosodi-n-propylamine		1.57		mg/kg	1.67	94%	45 - 120	62	41	10A3612		01/31/10 17:10
Pentachlorophenol		1.54		mg/kg	1.67	92%	42 - 135	76	32	10A3612		01/31/10 17:10
Phenanthrene		1.51		mg/kg	1.67	91%	56 - 120	59	32	10A3612		01/31/10 17:10
Phenol		1.43		mg/kg	1.67	86%	45 - 120	66	42	10A3612		01/31/10 17:10
Pyrene		1.55		mg/kg	1.67	93%	56 - 120	50	40	10A3612		01/31/10 17:10
2,4,5-Trichlorophenol		1.45		mg/kg	1.67	87%	54 - 120	68	33	10A3612		01/31/10 17:10
2,4,6-Trichlorophenol		1.54		mg/kg	1.67	93%	50 - 120	77	34	10A3612		01/31/10 17:10
Surrogate: Phenol-d5		1.32		mg/kg	1.67	79%	18 - 120			10A3612		01/31/10 17:10
Surrogate: 2-Fluorobiphenyl		1.31		mg/kg	1.67	79%	14 - 120			10A3612		01/31/10 17:10
Surrogate: Nitrobenzene-d5		1.18		mg/kg	1.67	71%	17 - 120			10A3612		01/31/10 17:10
Surrogate: Terphenyl-d14		1.44		mg/kg	1.67	86%	18 - 120			10A3612		01/31/10 17:10
Surrogate: 2,4,6-Tribromophenol		1.28		mg/kg	1.67	77%	19 - 120			10A3612		01/31/10 17:10



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
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#### Total Metals by EPA Method 6010B

##### 10A3452-MS1

Aluminum	ND	1.99		mg/L	2.00	100%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Antimony	ND	0.0999		mg/L	0.100	100%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Arsenic	ND	0.0418		mg/L	0.0500	84%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Barium	ND	1.91		mg/L	2.00	96%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Beryllium	ND	0.0475		mg/L	0.0500	95%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Cadmium	ND	0.0464		mg/L	0.0500	93%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Calcium	ND	4.76		mg/L	5.00	95%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Chromium	ND	0.189		mg/L	0.200	95%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Cobalt	ND	0.460		mg/L	0.500	92%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Copper	ND	0.254		mg/L	0.250	102%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Iron	ND	0.976		mg/L	1.00	98%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Lead	ND	0.0440		mg/L	0.0500	88%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Magnesium	ND	4.68		mg/L	5.00	94%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Manganese	ND	0.517		mg/L	0.500	103%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Nickel	ND	0.498		mg/L	0.500	100%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Potassium	ND	4.55		mg/L	5.00	91%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Selenium	ND	0.0443		mg/L	0.0500	89%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Silver	ND	0.0493		mg/L	0.0500	99%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Sodium	ND	5.26		mg/L	5.00	105%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Thallium	ND	0.0490		mg/L	0.0500	98%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Vanadium	ND	0.489		mg/L	0.500	98%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25
Zinc	0.0113	0.504		mg/L	0.500	99%	75 - 125	10A3452	NTA1891-05	01/29/10 15:25

##### 10A3624-MS1

Antimony	ND	41.4		mg/kg	39.8	104%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Arsenic	19.8	35.2		mg/kg	19.9	77%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Barium	108	928		mg/kg	795	103%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Beryllium	ND	19.2		mg/kg	19.9	97%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Cadmium	ND	17.8		mg/kg	19.9	90%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Chromium	ND	81.3		mg/kg	79.5	102%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Cobalt	ND	191		mg/kg	199	96%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Copper	9.52	112		mg/kg	99.4	103%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Lead	28.1	43.0		mg/kg	19.9	75%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Magnesium	2010	4240		mg/kg	1990	112%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Manganese	115	304		mg/kg	199	95%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Nickel	ND	191		mg/kg	199	96%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Potassium	ND	4790	M7	mg/kg	1990	241%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
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#### Total Metals by EPA Method 6010B

##### 10A3624-MS1

Selenium	9.27	26.9		mg/kg	19.9	89%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Silver	ND	17.3		mg/kg	19.9	87%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Sodium	ND	2240		mg/kg	1990	113%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Thallium	ND	16.9		mg/kg	19.9	85%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Vanadium	ND	205		mg/kg	199	103%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08
Zinc	310	446	M8	mg/kg	199	68%	75 - 125	10A3624	NTA1891-03	01/29/10 12:08

#### Mercury by EPA Methods 7470A/7471A

##### 10A3578-MS1

Mercury	0.0505	0.219		mg/kg	0.167	101%	75 - 125	10A3578	NTA1697-04	02/03/10 09:35
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##### 10B0215-MS1

Mercury	ND	0.00106		mg/L	0.00100	106%	75 - 125	10B0215	NTA1604-01	02/03/10 13:52
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#### Polychlorinated Biphenyls by EPA Method 8082

##### 10A3609-MS1

PCB-1248	ND	0.145		mg/kg	0.165	88%	17 - 151	10A3609	NTA1962-02	02/01/10 15:34
<i>Surrogate: Tetrachloro-meta-xylene</i>		0.0116		mg/kg	0.0165	70%	19 - 147	10A3609	NTA1962-02	02/01/10 15:34
<i>Surrogate: Decachlorobiphenyl</i>		0.0129		mg/kg	0.0165	78%	20 - 150	10A3609	NTA1962-02	02/01/10 15:34

#### Volatile Organic Compounds by EPA Method 8260B

##### 10A3560-MS1

Acetone	0.148	358		ug/kg	250	143%	29 - 181	10A3560	NTA1891-03	01/30/10 20:04
Benzene	ND	40.5		ug/kg	50.0	81%	42 - 141	10A3560	NTA1891-03	01/30/10 20:04
Bromochloromethane	ND	32.1		ug/kg	50.0	64%	41 - 146	10A3560	NTA1891-03	01/30/10 20:04
Bromodichloromethane	ND	30.2		ug/kg	50.0	60%	32 - 155	10A3560	NTA1891-03	01/30/10 20:04
Bromoform	ND	19.4		ug/kg	50.0	39%	10 - 155	10A3560	NTA1891-03	01/30/10 20:04
Bromomethane	ND	22.2		ug/kg	50.0	44%	10 - 199	10A3560	NTA1891-03	01/30/10 20:04
2-Butanone	0.00579	104		ug/kg	250	41%	38 - 161	10A3560	NTA1891-03	01/30/10 20:04
Carbon disulfide	0.0899	75.6	M8	ug/kg	50.0	151%	50 - 136	10A3560	NTA1891-03	01/30/10 20:04
Carbon Tetrachloride	ND	51.1		ug/kg	50.0	102%	30 - 159	10A3560	NTA1891-03	01/30/10 20:04
Chlorobenzene	ND	23.9		ug/kg	50.0	48%	25 - 151	10A3560	NTA1891-03	01/30/10 20:04
Chlorodibromomethane	ND	24.2		ug/kg	50.0	48%	27 - 150	10A3560	NTA1891-03	01/30/10 20:04
Chloroethane	ND	38.2		ug/kg	50.0	76%	15 - 197	10A3560	NTA1891-03	01/30/10 20:04
Chloroform	0.000369	35.8	B	ug/kg	50.0	72%	33 - 148	10A3560	NTA1891-03	01/30/10 20:04
Chloromethane	ND	31.5		ug/kg	50.0	63%	10 - 166	10A3560	NTA1891-03	01/30/10 20:04
Cyclohexane	ND	49.9		ug/kg	50.0	100%	26 - 165	10A3560	NTA1891-03	01/30/10 20:04
1,2-Dibromo-3-chloropropane	ND	17.3		ug/kg	50.0	35%	10 - 167	10A3560	NTA1891-03	01/30/10 20:04

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>										
<b>10A3560-MS1</b>										
1,2-Dibromoethane (EDB)	ND	22.4		ug/kg	50.0	45%	30 - 155	10A3560	NTA1891-03	01/30/10 20:04
Methylcyclohexane	ND	45.3		ug/kg	50.0	91%	11 - 151	10A3560	NTA1891-03	01/30/10 20:04
1,2-Dichlorobenzene	ND	12.1		ug/kg	50.0	24%	10 - 168	10A3560	NTA1891-03	01/30/10 20:04
1,3-Dichlorobenzene	ND	13.5		ug/kg	50.0	27%	10 - 173	10A3560	NTA1891-03	01/30/10 20:04
1,4-Dichlorobenzene	ND	11.6		ug/kg	50.0	23%	10 - 170	10A3560	NTA1891-03	01/30/10 20:04
Dichlorodifluoromethane	ND	26.5		ug/kg	50.0	53%	10 - 188	10A3560	NTA1891-03	01/30/10 20:04
1,2-Dichloroethane	ND	29.2		ug/kg	50.0	58%	32 - 155	10A3560	NTA1891-03	01/30/10 20:04
1,1-Dichloroethane	ND	40.7		ug/kg	50.0	81%	51 - 135	10A3560	NTA1891-03	01/30/10 20:04
1,1-Dichloroethene	ND	47.8		ug/kg	50.0	96%	46 - 141	10A3560	NTA1891-03	01/30/10 20:04
trans-1,2-Dichloroethene	ND	39.8		ug/kg	50.0	80%	41 - 146	10A3560	NTA1891-03	01/30/10 20:04
1,1,2-Trifluorotrichloroethane	ND	56.2		ug/kg	50.0	112%	30 - 169	10A3560	NTA1891-03	01/30/10 20:04
cis-1,2-Dichloroethene	ND	33.5		ug/kg	50.0	67%	32 - 150	10A3560	NTA1891-03	01/30/10 20:04
1,2-Dichloropropane	ND	32.5		ug/kg	50.0	65%	34 - 139	10A3560	NTA1891-03	01/30/10 20:04
trans-1,3-Dichloropropene	ND	13.8		ug/kg	50.0	28%	24 - 151	10A3560	NTA1891-03	01/30/10 20:04
cis-1,3-Dichloropropene	ND	13.6		ug/kg	50.0	27%	23 - 152	10A3560	NTA1891-03	01/30/10 20:04
Ethylbenzene	ND	33.3		ug/kg	50.0	67%	21 - 165	10A3560	NTA1891-03	01/30/10 20:04
2-Hexanone	ND	96.0		ug/kg	250	38%	13 - 174	10A3560	NTA1891-03	01/30/10 20:04
Isopropylbenzene	ND	33.5		ug/kg	50.0	67%	20 - 139	10A3560	NTA1891-03	01/30/10 20:04
Methyl Acetate	ND	106	M7	ug/kg	50.0	213%	10 - 200	10A3560	NTA1891-03	01/30/10 20:04
Methyl tert-Butyl Ether	ND	27.8		ug/kg	50.0	56%	34 - 154	10A3560	NTA1891-03	01/30/10 20:04
Methylene Chloride	0.000559	36.2		ug/kg	50.0	72%	36 - 163	10A3560	NTA1891-03	01/30/10 20:04
4-Methyl-2-pentanone	ND	115		ug/kg	250	46%	19 - 176	10A3560	NTA1891-03	01/30/10 20:04
Styrene	ND	16.8		ug/kg	50.0	34%	10 - 177	10A3560	NTA1891-03	01/30/10 20:04
1,1,2,2-Tetrachloroethane	ND	21.4		ug/kg	50.0	43%	27 - 163	10A3560	NTA1891-03	01/30/10 20:04
Tetrachloroethene	ND	41.3		ug/kg	50.0	83%	33 - 155	10A3560	NTA1891-03	01/30/10 20:04
Toluene	ND	35.4		ug/kg	50.0	71%	45 - 145	10A3560	NTA1891-03	01/30/10 20:04
1,2,4-Trichlorobenzene	ND	5.28		ug/kg	50.0	11%	10 - 175	10A3560	NTA1891-03	01/30/10 20:04
1,2,3-Trichlorobenzene	ND	4.43	M8	ug/kg	50.0	9%	10 - 182	10A3560	NTA1891-03	01/30/10 20:04
1,1,1-Trichloroethane	ND	46.8		ug/kg	50.0	94%	39 - 148	10A3560	NTA1891-03	01/30/10 20:04
1,1,2-Trichloroethane	ND	27.0		ug/kg	50.0	54%	43 - 145	10A3560	NTA1891-03	01/30/10 20:04
Trichloroethene	ND	38.2		ug/kg	50.0	76%	39 - 150	10A3560	NTA1891-03	01/30/10 20:04
Trichlorofluoromethane	ND	43.8		ug/kg	50.0	88%	25 - 174	10A3560	NTA1891-03	01/30/10 20:04
Vinyl chloride	ND	38.3		ug/kg	50.0	77%	32 - 163	10A3560	NTA1891-03	01/30/10 20:04
Xylenes, total	ND	90.8		ug/kg	150	61%	31 - 159	10A3560	NTA1891-03	01/30/10 20:04
Surrogate: 1,2-Dichloroethane-d4		50.2		ug/kg	50.0	100%	67 - 138	10A3560	NTA1891-03	01/30/10 20:04
Surrogate: Dibromofluoromethane		51.9		ug/kg	50.0	104%	75 - 125	10A3560	NTA1891-03	01/30/10 20:04
Surrogate: Toluene-d8		52.2		ug/kg	50.0	104%	76 - 129	10A3560	NTA1891-03	01/30/10 20:04

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>										
<b>10A3560-MS1</b>										
<i>Surrogate: 4-Bromofluorobenzene</i>		49.6		ug/kg	50.0	99%	67 - 147	10A3560	NTA1891-03	01/30/10 20:04
<b>10A3560-MS2</b>										
Acetone	0.00826	184		ug/kg	250	74%	29 - 181	10A3560	NTA1949-03	02/01/10 21:11
Benzene	0.000549	39.6		ug/kg	50.0	79%	42 - 141	10A3560	NTA1949-03	02/01/10 21:11
Bromochloromethane	ND	44.7		ug/kg	50.0	89%	41 - 146	10A3560	NTA1949-03	02/01/10 21:11
Bromodichloromethane	ND	37.4		ug/kg	50.0	75%	32 - 155	10A3560	NTA1949-03	02/01/10 21:11
Bromoform	ND	36.3		ug/kg	50.0	73%	10 - 155	10A3560	NTA1949-03	02/01/10 21:11
Bromomethane	ND	29.4		ug/kg	50.0	59%	10 - 199	10A3560	NTA1949-03	02/01/10 21:11
2-Butanone	ND	175		ug/kg	250	70%	38 - 161	10A3560	NTA1949-03	02/01/10 21:11
Carbon disulfide	0.000841	44.6		ug/kg	50.0	89%	50 - 136	10A3560	NTA1949-03	02/01/10 21:11
Carbon Tetrachloride	ND	41.9		ug/kg	50.0	84%	30 - 159	10A3560	NTA1949-03	02/01/10 21:11
Chlorobenzene	ND	35.2		ug/kg	50.0	70%	25 - 151	10A3560	NTA1949-03	02/01/10 21:11
Chlorodibromomethane	ND	38.7		ug/kg	50.0	77%	27 - 150	10A3560	NTA1949-03	02/01/10 21:11
Chloroethane	ND	34.9		ug/kg	50.0	70%	15 - 197	10A3560	NTA1949-03	02/01/10 21:11
Chloroform	0.00978	48.2	B	ug/kg	50.0	96%	33 - 148	10A3560	NTA1949-03	02/01/10 21:11
Chloromethane	ND	32.1		ug/kg	50.0	64%	10 - 166	10A3560	NTA1949-03	02/01/10 21:11
Cyclohexane	ND	35.1		ug/kg	50.0	70%	26 - 165	10A3560	NTA1949-03	02/01/10 21:11
1,2-Dibromo-3-chloropropane	ND	29.0		ug/kg	50.0	58%	10 - 167	10A3560	NTA1949-03	02/01/10 21:11
1,2-Dibromoethane (EDB)	ND	39.0		ug/kg	50.0	78%	30 - 155	10A3560	NTA1949-03	02/01/10 21:11
Methylcyclohexane	ND	31.8		ug/kg	50.0	64%	11 - 151	10A3560	NTA1949-03	02/01/10 21:11
1,2-Dichlorobenzene	ND	29.6		ug/kg	50.0	59%	10 - 168	10A3560	NTA1949-03	02/01/10 21:11
1,3-Dichlorobenzene	ND	29.1		ug/kg	50.0	58%	10 - 173	10A3560	NTA1949-03	02/01/10 21:11
1,4-Dichlorobenzene	ND	29.0		ug/kg	50.0	58%	10 - 170	10A3560	NTA1949-03	02/01/10 21:11
Dichlorodifluoromethane	ND	24.9		ug/kg	50.0	50%	10 - 188	10A3560	NTA1949-03	02/01/10 21:11
1,2-Dichloroethane	ND	40.6		ug/kg	50.0	81%	32 - 155	10A3560	NTA1949-03	02/01/10 21:11
1,1-Dichloroethane	ND	39.5		ug/kg	50.0	79%	51 - 135	10A3560	NTA1949-03	02/01/10 21:11
1,1-Dichloroethene	ND	38.2		ug/kg	50.0	76%	46 - 141	10A3560	NTA1949-03	02/01/10 21:11
trans-1,2-Dichloroethene	ND	39.8		ug/kg	50.0	80%	41 - 146	10A3560	NTA1949-03	02/01/10 21:11
1,1,2-Trifluorotrichloroethane	ND	39.1		ug/kg	50.0	78%	30 - 169	10A3560	NTA1949-03	02/01/10 21:11
cis-1,2-Dichloroethene	ND	38.9		ug/kg	50.0	78%	32 - 150	10A3560	NTA1949-03	02/01/10 21:11
1,2-Dichloropropane	ND	36.8		ug/kg	50.0	74%	34 - 139	10A3560	NTA1949-03	02/01/10 21:11
trans-1,3-Dichloropropene	ND	31.5		ug/kg	50.0	63%	24 - 151	10A3560	NTA1949-03	02/01/10 21:11
cis-1,3-Dichloropropene	ND	32.4		ug/kg	50.0	65%	23 - 152	10A3560	NTA1949-03	02/01/10 21:11
Ethylbenzene	ND	35.0		ug/kg	50.0	70%	21 - 165	10A3560	NTA1949-03	02/01/10 21:11
2-Hexanone	ND	147		ug/kg	250	59%	13 - 174	10A3560	NTA1949-03	02/01/10 21:11
Isopropylbenzene	ND	32.6		ug/kg	50.0	65%	20 - 139	10A3560	NTA1949-03	02/01/10 21:11
Methyl Acetate	ND	80.4		ug/kg	50.0	161%	10 - 200	10A3560	NTA1949-03	02/01/10 21:11



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>										
<b>10A3560-MS2</b>										
Methyl tert-Butyl Ether	ND	38.0		ug/kg	50.0	76%	34 - 154	10A3560	NTA1949-03	02/01/10 21:11
Methylene Chloride	0.00445	42.3		ug/kg	50.0	85%	36 - 163	10A3560	NTA1949-03	02/01/10 21:11
4-Methyl-2-pentanone	ND	170		ug/kg	250	68%	19 - 176	10A3560	NTA1949-03	02/01/10 21:11
Styrene	ND	34.7		ug/kg	50.0	69%	10 - 177	10A3560	NTA1949-03	02/01/10 21:11
1,1,2,2-Tetrachloroethane	ND	36.7		ug/kg	50.0	73%	27 - 163	10A3560	NTA1949-03	02/01/10 21:11
Tetrachloroethene	ND	38.9		ug/kg	50.0	78%	33 - 155	10A3560	NTA1949-03	02/01/10 21:11
Toluene	ND	37.0		ug/kg	50.0	74%	45 - 145	10A3560	NTA1949-03	02/01/10 21:11
1,2,4-Trichlorobenzene	ND	20.6		ug/kg	50.0	41%	10 - 175	10A3560	NTA1949-03	02/01/10 21:11
1,2,3-Trichlorobenzene	ND	20.5		ug/kg	50.0	41%	10 - 182	10A3560	NTA1949-03	02/01/10 21:11
1,1,1-Trichloroethane	ND	39.4		ug/kg	50.0	79%	39 - 148	10A3560	NTA1949-03	02/01/10 21:11
1,1,2-Trichloroethane	ND	40.4		ug/kg	50.0	81%	43 - 145	10A3560	NTA1949-03	02/01/10 21:11
Trichloroethene	ND	38.1		ug/kg	50.0	76%	39 - 150	10A3560	NTA1949-03	02/01/10 21:11
Trichlorofluoromethane	ND	34.6		ug/kg	50.0	69%	25 - 174	10A3560	NTA1949-03	02/01/10 21:11
Vinyl chloride	ND	35.0		ug/kg	50.0	70%	32 - 163	10A3560	NTA1949-03	02/01/10 21:11
Xylenes, total	ND	104		ug/kg	150	69%	31 - 159	10A3560	NTA1949-03	02/01/10 21:11
<i>Surrogate: 1,2-Dichloroethane-d4</i>		54.9		ug/kg	50.0	110%	67 - 138	10A3560	NTA1949-03	02/01/10 21:11
<i>Surrogate: Dibromofluoromethane</i>		53.3		ug/kg	50.0	107%	75 - 125	10A3560	NTA1949-03	02/01/10 21:11
<i>Surrogate: Toluene-d8</i>		51.4		ug/kg	50.0	103%	76 - 129	10A3560	NTA1949-03	02/01/10 21:11
<i>Surrogate: 4-Bromofluorobenzene</i>		50.1		ug/kg	50.0	100%	67 - 147	10A3560	NTA1949-03	02/01/10 21:11
<b>10A3723-MS1</b>										
Acetone	9.50	239		ug/L	250	92%	56 - 150	10A3723	NTA1891-07	01/31/10 05:36
Benzene	ND	53.2		ug/L	50.0	106%	65 - 151	10A3723	NTA1891-07	01/31/10 05:36
Bromochloromethane	ND	51.3		ug/L	50.0	103%	64 - 154	10A3723	NTA1891-07	01/31/10 05:36
Bromodichloromethane	ND	53.0		ug/L	50.0	106%	75 - 138	10A3723	NTA1891-07	01/31/10 05:36
Bromoform	ND	55.5		ug/L	50.0	111%	55 - 153	10A3723	NTA1891-07	01/31/10 05:36
Bromomethane	ND	47.2		ug/L	50.0	94%	13 - 176	10A3723	NTA1891-07	01/31/10 05:36
2-Butanone	ND	230		ug/L	250	92%	45 - 164	10A3723	NTA1891-07	01/31/10 05:36
tert-Butylbenzene	ND	59.4		ug/L	50.0	119%	73 - 153	10A3723	NTA1891-07	01/31/10 05:36
n-Butylbenzene	ND	56.2		ug/L	50.0	112%	67 - 151	10A3723	NTA1891-07	01/31/10 05:36
sec-Butylbenzene	ND	56.8		ug/L	50.0	114%	68 - 159	10A3723	NTA1891-07	01/31/10 05:36
Carbon disulfide	1.86	50.0		ug/L	50.0	96%	33 - 187	10A3723	NTA1891-07	01/31/10 05:36
Carbon Tetrachloride	ND	54.0		ug/L	50.0	108%	64 - 157	10A3723	NTA1891-07	01/31/10 05:36
Chlorobenzene	ND	53.7		ug/L	50.0	107%	78 - 136	10A3723	NTA1891-07	01/31/10 05:36
Chlorodibromomethane	ND	53.4		ug/L	50.0	107%	64 - 145	10A3723	NTA1891-07	01/31/10 05:36
Chloroethane	ND	56.2		ug/L	50.0	112%	48 - 159	10A3723	NTA1891-07	01/31/10 05:36
Chloroform	ND	53.2		ug/L	50.0	106%	72 - 145	10A3723	NTA1891-07	01/31/10 05:36

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>										
<b>10A3723-MS1</b>										
Chloromethane	ND	25.9		ug/L	50.0	52%	10 - 194	10A3723	NTA1891-07	01/31/10 05:36
Cyclohexane	ND	47.6		ug/L	50.0	95%	58 - 151	10A3723	NTA1891-07	01/31/10 05:36
1,2-Dibromo-3-chloropropane	ND	52.8		ug/L	50.0	106%	49 - 162	10A3723	NTA1891-07	01/31/10 05:36
1,2-Dibromoethane (EDB)	ND	55.5		ug/L	50.0	111%	70 - 152	10A3723	NTA1891-07	01/31/10 05:36
Methylcyclohexane	ND	47.2		ug/L	50.0	94%	60 - 156	10A3723	NTA1891-07	01/31/10 05:36
1,2-Dichlorobenzene	ND	57.8		ug/L	50.0	116%	80 - 136	10A3723	NTA1891-07	01/31/10 05:36
1,3-Dichlorobenzene	ND	55.8		ug/L	50.0	112%	72 - 146	10A3723	NTA1891-07	01/31/10 05:36
1,4-Dichlorobenzene	ND	52.7		ug/L	50.0	105%	75 - 135	10A3723	NTA1891-07	01/31/10 05:36
Dichlorodifluoromethane	ND	36.7		ug/L	50.0	73%	23 - 159	10A3723	NTA1891-07	01/31/10 05:36
1,2-Dichloroethane	ND	48.9		ug/L	50.0	98%	72 - 137	10A3723	NTA1891-07	01/31/10 05:36
1,1-Dichloroethane	ND	49.3		ug/L	50.0	99%	64 - 154	10A3723	NTA1891-07	01/31/10 05:36
1,1-Dichloroethene	ND	50.8		ug/L	50.0	102%	34 - 151	10A3723	NTA1891-07	01/31/10 05:36
trans-1,2-Dichloroethene	ND	49.0		ug/L	50.0	98%	57 - 157	10A3723	NTA1891-07	01/31/10 05:36
1,1,2-Trifluorotrichloroethane	ND	48.9		ug/L	50.0	98%	73 - 136	10A3723	NTA1891-07	01/31/10 05:36
cis-1,2-Dichloroethene	ND	49.7		ug/L	50.0	99%	57 - 154	10A3723	NTA1891-07	01/31/10 05:36
1,2-Dichloropropane	ND	51.6		ug/L	50.0	103%	71 - 139	10A3723	NTA1891-07	01/31/10 05:36
trans-1,3-Dichloropropene	ND	50.9		ug/L	50.0	102%	47 - 157	10A3723	NTA1891-07	01/31/10 05:36
cis-1,3-Dichloropropene	ND	56.5		ug/L	50.0	113%	56 - 156	10A3723	NTA1891-07	01/31/10 05:36
Ethylbenzene	ND	53.2		ug/L	50.0	106%	68 - 157	10A3723	NTA1891-07	01/31/10 05:36
2-Hexanone	ND	225		ug/L	250	90%	57 - 154	10A3723	NTA1891-07	01/31/10 05:36
Isopropylbenzene	ND	56.3		ug/L	50.0	113%	69 - 139	10A3723	NTA1891-07	01/31/10 05:36
p-Isopropyltoluene	ND	54.5		ug/L	50.0	109%	69 - 151	10A3723	NTA1891-07	01/31/10 05:36
Methyl Acetate	ND	46.0		ug/L	50.0	92%	16 - 140	10A3723	NTA1891-07	01/31/10 05:36
Methyl tert-Butyl Ether	ND	46.4		ug/L	50.0	93%	56 - 152	10A3723	NTA1891-07	01/31/10 05:36
Methylene Chloride	ND	49.6		ug/L	50.0	99%	71 - 136	10A3723	NTA1891-07	01/31/10 05:36
4-Methyl-2-pentanone	ND	240		ug/L	250	96%	62 - 159	10A3723	NTA1891-07	01/31/10 05:36
Naphthalene	ND	54.9		ug/L	50.0	110%	56 - 161	10A3723	NTA1891-07	01/31/10 05:36
n-Propylbenzene	ND	55.4		ug/L	50.0	111%	61 - 167	10A3723	NTA1891-07	01/31/10 05:36
Styrene	ND	56.8		ug/L	50.0	114%	69 - 150	10A3723	NTA1891-07	01/31/10 05:36
1,1,2,2-Tetrachloroethane	ND	54.0		ug/L	50.0	108%	76 - 141	10A3723	NTA1891-07	01/31/10 05:36
Tetrachloroethene	ND	54.7		ug/L	50.0	109%	63 - 155	10A3723	NTA1891-07	01/31/10 05:36
Toluene	ND	53.0		ug/L	50.0	106%	61 - 153	10A3723	NTA1891-07	01/31/10 05:36
1,2,4-Trichlorobenzene	ND	60.6		ug/L	50.0	121%	64 - 147	10A3723	NTA1891-07	01/31/10 05:36
1,2,3-Trichlorobenzene	ND	56.4		ug/L	50.0	113%	57 - 155	10A3723	NTA1891-07	01/31/10 05:36
1,1,1-Trichloroethane	ND	55.0		ug/L	50.0	110%	78 - 153	10A3723	NTA1891-07	01/31/10 05:36
1,1,2-Trichloroethane	ND	51.5		ug/L	50.0	103%	74 - 138	10A3723	NTA1891-07	01/31/10 05:36
Trichloroethene	ND	58.4		ug/L	50.0	117%	74 - 139	10A3723	NTA1891-07	01/31/10 05:36

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>										
<b>10A3723-MS1</b>										
Trichlorofluoromethane	ND	45.2		ug/L	50.0	90%	53 - 149	10A3723	NTA1891-07	01/31/10 05:36
1,3,5-Trimethylbenzene	ND	56.5		ug/L	50.0	113%	67 - 151	10A3723	NTA1891-07	01/31/10 05:36
1,2,4-Trimethylbenzene	ND	58.0		ug/L	50.0	116%	69 - 150	10A3723	NTA1891-07	01/31/10 05:36
Vinyl chloride	ND	53.4		ug/L	50.0	107%	53 - 137	10A3723	NTA1891-07	01/31/10 05:36
o-Xylene	ND	54.8		ug/L	50.0	110%	62 - 167	10A3723	NTA1891-07	01/31/10 05:36
m,p-Xylene	ND	104		ug/L	100	104%	69 - 155	10A3723	NTA1891-07	01/31/10 05:36
Xylenes, total	ND	159		ug/L	150	106%	68 - 158	10A3723	NTA1891-07	01/31/10 05:36
<i>Surrogate: 1,2-Dichloroethane-d4</i>		22.0		ug/L	25.0	88%	63 - 140	10A3723	NTA1891-07	01/31/10 05:36
<i>Surrogate: Dibromofluoromethane</i>		24.2		ug/L	25.0	97%	73 - 131	10A3723	NTA1891-07	01/31/10 05:36
<i>Surrogate: Toluene-d8</i>		24.1		ug/L	25.0	97%	80 - 120	10A3723	NTA1891-07	01/31/10 05:36
<i>Surrogate: 4-Bromofluorobenzene</i>		25.7		ug/L	25.0	103%	79 - 125	10A3723	NTA1891-07	01/31/10 05:36
<b>10B0181-MS1</b>										
Acetone	ND	21.5		mg/kg	11.9	181%	29 - 181	10B0181	NTA1891-02RE 1	02/01/10 22:11
Benzene	ND	2.86		mg/kg	2.38	120%	42 - 141	10B0181	NTA1891-02RE 1	02/01/10 22:11
Bromochloromethane	ND	2.81		mg/kg	2.38	118%	41 - 146	10B0181	NTA1891-02RE 1	02/01/10 22:11
Bromodichloromethane	ND	2.63		mg/kg	2.38	111%	32 - 155	10B0181	NTA1891-02RE 1	02/01/10 22:11
Bromoform	ND	2.64		mg/kg	2.38	111%	10 - 155	10B0181	NTA1891-02RE 1	02/01/10 22:11
Bromomethane	0.265	3.64	B	mg/kg	2.38	142%	10 - 199	10B0181	NTA1891-02RE 1	02/01/10 22:11
2-Butanone	ND	16.6		mg/kg	11.9	140%	38 - 161	10B0181	NTA1891-02RE 1	02/01/10 22:11
Carbon disulfide	0.0722	3.03		mg/kg	2.38	125%	50 - 136	10B0181	NTA1891-02RE 1	02/01/10 22:11
Carbon Tetrachloride	ND	3.25		mg/kg	2.38	137%	30 - 159	10B0181	NTA1891-02RE 1	02/01/10 22:11
Chlorobenzene	ND	2.76		mg/kg	2.38	116%	25 - 151	10B0181	NTA1891-02RE 1	02/01/10 22:11
Chlorodibromomethane	ND	2.76		mg/kg	2.38	116%	27 - 150	10B0181	NTA1891-02RE 1	02/01/10 22:11
Chloroethane	ND	2.46		mg/kg	2.38	104%	15 - 197	10B0181	NTA1891-02RE 1	02/01/10 22:11
Chloroform	0.0547	2.75	B	mg/kg	2.38	114%	33 - 148	10B0181	NTA1891-02RE 1	02/01/10 22:11
Chloromethane	ND	1.40		mg/kg	2.38	59%	10 - 166	10B0181	NTA1891-02RE 1	02/01/10 22:11
Cyclohexane	ND	3.04		mg/kg	2.38	128%	26 - 165	10B0181	NTA1891-02RE 1	02/01/10 22:11
1,2-Dibromo-3-chloropropane	ND	2.13		mg/kg	2.38	90%	10 - 167	10B0181	NTA1891-02RE 1	02/01/10 22:11

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>										
<b>10B0181-MS1</b>										
1,2-Dibromoethane (EDB)	ND	2.84		mg/kg	2.38	120%	30 - 155	10B0181	NTA1891-02RE 1	02/01/10 22:11
Methylcyclohexane	ND	3.12		mg/kg	2.38	131%	11 - 151	10B0181	NTA1891-02RE 1	02/01/10 22:11
1,2-Dichlorobenzene	ND	2.66		mg/kg	2.38	112%	10 - 168	10B0181	NTA1891-02RE 1	02/01/10 22:11
1,3-Dichlorobenzene	ND	2.74		mg/kg	2.38	115%	10 - 173	10B0181	NTA1891-02RE 1	02/01/10 22:11
1,4-Dichlorobenzene	ND	2.68		mg/kg	2.38	113%	10 - 170	10B0181	NTA1891-02RE 1	02/01/10 22:11
Dichlorodifluoromethane	ND	1.66		mg/kg	2.38	70%	10 - 188	10B0181	NTA1891-02RE 1	02/01/10 22:11
1,2-Dichloroethane	ND	2.75		mg/kg	2.38	116%	32 - 155	10B0181	NTA1891-02RE 1	02/01/10 22:11
1,1-Dichloroethane	ND	2.80		mg/kg	2.38	118%	51 - 135	10B0181	NTA1891-02RE 1	02/01/10 22:11
1,1-Dichloroethene	ND	2.73		mg/kg	2.38	115%	46 - 141	10B0181	NTA1891-02RE 1	02/01/10 22:11
trans-1,2-Dichloroethene	ND	2.85		mg/kg	2.38	120%	41 - 146	10B0181	NTA1891-02RE 1	02/01/10 22:11
1,1,2-Trifluorotrichloroethane	ND	3.12		mg/kg	2.38	131%	30 - 169	10B0181	NTA1891-02RE 1	02/01/10 22:11
cis-1,2-Dichloroethene	ND	3.05		mg/kg	2.38	128%	32 - 150	10B0181	NTA1891-02RE 1	02/01/10 22:11
1,2-Dichloropropane	ND	2.57		mg/kg	2.38	108%	34 - 139	10B0181	NTA1891-02RE 1	02/01/10 22:11
trans-1,3-Dichloropropene	ND	2.61		mg/kg	2.38	110%	24 - 151	10B0181	NTA1891-02RE 1	02/01/10 22:11
cis-1,3-Dichloropropene	ND	2.60		mg/kg	2.38	109%	23 - 152	10B0181	NTA1891-02RE 1	02/01/10 22:11
Ethylbenzene	ND	2.88		mg/kg	2.38	121%	21 - 165	10B0181	NTA1891-02RE 1	02/01/10 22:11
2-Hexanone	ND	12.8		mg/kg	11.9	108%	13 - 174	10B0181	NTA1891-02RE 1	02/01/10 22:11
Isopropylbenzene	ND	3.03		mg/kg	2.38	128%	20 - 139	10B0181	NTA1891-02RE 1	02/01/10 22:11
Methyl Acetate	0.186	12.0	M7	mg/kg	2.38	497%	10 - 200	10B0181	NTA1891-02RE 1	02/01/10 22:11
Methyl tert-Butyl Ether	ND	3.14		mg/kg	2.38	132%	34 - 154	10B0181	NTA1891-02RE 1	02/01/10 22:11
Methylene Chloride	ND	2.64		mg/kg	2.38	111%	36 - 163	10B0181	NTA1891-02RE 1	02/01/10 22:11
4-Methyl-2-pentanone	ND	13.5		mg/kg	11.9	113%	19 - 176	10B0181	NTA1891-02RE 1	02/01/10 22:11
Styrene	ND	2.94		mg/kg	2.38	124%	10 - 177	10B0181	NTA1891-02RE 1	02/01/10 22:11
1,1,2,2-Tetrachloroethane	ND	0.641		mg/kg	2.38	27%	27 - 163	10B0181	NTA1891-02RE 1	02/01/10 22:11

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>										
<b>10B0181-MS1</b>										
Tetrachloroethene	ND	3.17		mg/kg	2.38	133%	33 - 155	10B0181	NTA1891-02RE 1	02/01/10 22:11
Toluene	ND	2.81		mg/kg	2.38	118%	45 - 145	10B0181	NTA1891-02RE 1	02/01/10 22:11
1,2,4-Trichlorobenzene	ND	2.59		mg/kg	2.38	109%	10 - 175	10B0181	NTA1891-02RE 1	02/01/10 22:11
1,2,3-Trichlorobenzene	ND	2.48		mg/kg	2.38	104%	10 - 182	10B0181	NTA1891-02RE 1	02/01/10 22:11
1,1,1-Trichloroethane	ND	2.96		mg/kg	2.38	124%	39 - 148	10B0181	NTA1891-02RE 1	02/01/10 22:11
1,1,2-Trichloroethane	ND	2.74		mg/kg	2.38	115%	43 - 145	10B0181	NTA1891-02RE 1	02/01/10 22:11
Trichloroethene	ND	4.74	M7	mg/kg	2.38	200%	39 - 150	10B0181	NTA1891-02RE 1	02/01/10 22:11
Trichlorofluoromethane	ND	2.54		mg/kg	2.38	107%	25 - 174	10B0181	NTA1891-02RE 1	02/01/10 22:11
Vinyl chloride	ND	2.29		mg/kg	2.38	96%	32 - 163	10B0181	NTA1891-02RE 1	02/01/10 22:11
Xylenes, total	ND	8.65		mg/kg	7.13	121%	31 - 159	10B0181	NTA1891-02RE 1	02/01/10 22:11
<i>Surrogate: 1,2-Dichloroethane-d4</i>		52.2		ug/kg	50.0	104%	67 - 138	10B0181	NTA1891-02RE 1	02/01/10 22:11
<i>Surrogate: Dibromofluoromethane</i>		50.7		ug/kg	50.0	101%	75 - 125	10B0181	NTA1891-02RE 1	02/01/10 22:11
<i>Surrogate: Toluene-d8</i>		50.6		ug/kg	50.0	101%	76 - 129	10B0181	NTA1891-02RE 1	02/01/10 22:11
<i>Surrogate: 4-Bromofluorobenzene</i>		49.0		ug/kg	50.0	98%	67 - 147	10B0181	NTA1891-02RE 1	02/01/10 22:11
<b>10B0276-MS1</b>										
Acetone	ND	17.3		mg/kg	12.9	133%	29 - 181	10B0276	NTA1891-12RE 1	02/02/10 19:57
Benzene	ND	2.40		mg/kg	2.59	93%	42 - 141	10B0276	NTA1891-12RE 1	02/02/10 19:57
Bromochloromethane	ND	2.40		mg/kg	2.59	93%	41 - 146	10B0276	NTA1891-12RE 1	02/02/10 19:57
Bromodichloromethane	ND	2.19		mg/kg	2.59	85%	32 - 155	10B0276	NTA1891-12RE 1	02/02/10 19:57
Bromoform	ND	2.20		mg/kg	2.59	85%	10 - 155	10B0276	NTA1891-12RE 1	02/02/10 19:57
Bromomethane	ND	1.59		mg/kg	2.59	61%	10 - 199	10B0276	NTA1891-12RE 1	02/02/10 19:57
2-Butanone	ND	13.6		mg/kg	12.9	105%	38 - 161	10B0276	NTA1891-12RE 1	02/02/10 19:57
Carbon disulfide	0.0419	2.37		mg/kg	2.59	90%	50 - 136	10B0276	NTA1891-12RE 1	02/02/10 19:57
Carbon Tetrachloride	ND	2.37		mg/kg	2.59	92%	30 - 159	10B0276	NTA1891-12RE 1	02/02/10 19:57



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>										
<b>10B0276-MS1</b>										
Chlorobenzene	ND	2.76		mg/kg	2.59	107%	25 - 151	10B0276	NTA1891-12RE 1	02/02/10 19:57
Chlorodibromomethane	ND	2.71		mg/kg	2.59	105%	27 - 150	10B0276	NTA1891-12RE 1	02/02/10 19:57
Chloroethane	ND	0.742		mg/kg	2.59	29%	15 - 197	10B0276	NTA1891-12RE 1	02/02/10 19:57
Chloroform	0.103	2.45		mg/kg	2.59	91%	33 - 148	10B0276	NTA1891-12RE 1	02/02/10 19:57
Chloromethane	ND	2.80		mg/kg	2.59	108%	10 - 166	10B0276	NTA1891-12RE 1	02/02/10 19:57
Cyclohexane	0.0223	2.37		mg/kg	2.59	91%	26 - 165	10B0276	NTA1891-12RE 1	02/02/10 19:57
1,2-Dibromo-3-chloropropane	ND	1.98		mg/kg	2.59	77%	10 - 167	10B0276	NTA1891-12RE 1	02/02/10 19:57
1,2-Dibromoethane (EDB)	ND	2.91		mg/kg	2.59	112%	30 - 155	10B0276	NTA1891-12RE 1	02/02/10 19:57
Methylcyclohexane	ND	2.48		mg/kg	2.59	96%	11 - 151	10B0276	NTA1891-12RE 1	02/02/10 19:57
1,2-Dichlorobenzene	ND	2.61		mg/kg	2.59	101%	10 - 168	10B0276	NTA1891-12RE 1	02/02/10 19:57
1,3-Dichlorobenzene	ND	2.62		mg/kg	2.59	101%	10 - 173	10B0276	NTA1891-12RE 1	02/02/10 19:57
1,4-Dichlorobenzene	ND	2.49		mg/kg	2.59	96%	10 - 170	10B0276	NTA1891-12RE 1	02/02/10 19:57
Dichlorodifluoromethane	ND	2.92		mg/kg	2.59	113%	10 - 188	10B0276	NTA1891-12RE 1	02/02/10 19:57
1,2-Dichloroethane	ND	2.41		mg/kg	2.59	93%	32 - 155	10B0276	NTA1891-12RE 1	02/02/10 19:57
1,1-Dichloroethane	ND	2.37		mg/kg	2.59	92%	51 - 135	10B0276	NTA1891-12RE 1	02/02/10 19:57
1,1-Dichloroethene	ND	2.50		mg/kg	2.59	97%	46 - 141	10B0276	NTA1891-12RE 1	02/02/10 19:57
trans-1,2-Dichloroethene	ND	2.44		mg/kg	2.59	94%	41 - 146	10B0276	NTA1891-12RE 1	02/02/10 19:57
1,1,2-Trifluorotrichloroethane	ND	2.74		mg/kg	2.59	106%	30 - 169	10B0276	NTA1891-12RE 1	02/02/10 19:57
cis-1,2-Dichloroethene	ND	2.45		mg/kg	2.59	95%	32 - 150	10B0276	NTA1891-12RE 1	02/02/10 19:57
1,2-Dichloropropane	ND	2.22		mg/kg	2.59	86%	34 - 139	10B0276	NTA1891-12RE 1	02/02/10 19:57
trans-1,3-Dichloropropene	ND	2.35		mg/kg	2.59	91%	24 - 151	10B0276	NTA1891-12RE 1	02/02/10 19:57
cis-1,3-Dichloropropene	ND	2.85		mg/kg	2.59	110%	23 - 152	10B0276	NTA1891-12RE 1	02/02/10 19:57
Ethylbenzene	ND	3.03		mg/kg	2.59	117%	21 - 165	10B0276	NTA1891-12RE 1	02/02/10 19:57
2-Hexanone	ND	13.8		mg/kg	12.9	107%	13 - 174	10B0276	NTA1891-12RE 1	02/02/10 19:57

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>										
<b>10B0276-MS1</b>										
Isopropylbenzene	ND	2.84		mg/kg	2.59	110%	20 - 139	10B0276	NTA1891-12RE 1	02/02/10 19:57
Methyl Acetate	ND	7.84	M7	mg/kg	2.59	303%	10 - 200	10B0276	NTA1891-12RE 1	02/02/10 19:57
Methyl tert-Butyl Ether	ND	2.35		mg/kg	2.59	91%	34 - 154	10B0276	NTA1891-12RE 1	02/02/10 19:57
Methylene Chloride	ND	2.57		mg/kg	2.59	99%	36 - 163	10B0276	NTA1891-12RE 1	02/02/10 19:57
4-Methyl-2-pentanone	ND	14.1		mg/kg	12.9	109%	19 - 176	10B0276	NTA1891-12RE 1	02/02/10 19:57
Styrene	ND	2.98		mg/kg	2.59	115%	10 - 177	10B0276	NTA1891-12RE 1	02/02/10 19:57
1,1,2,2-Tetrachloroethane	ND	2.46		mg/kg	2.59	95%	27 - 163	10B0276	NTA1891-12RE 1	02/02/10 19:57
Tetrachloroethene	ND	2.91		mg/kg	2.59	112%	33 - 155	10B0276	NTA1891-12RE 1	02/02/10 19:57
Toluene	ND	2.96		mg/kg	2.59	114%	45 - 145	10B0276	NTA1891-12RE 1	02/02/10 19:57
1,2,4-Trichlorobenzene	ND	2.84		mg/kg	2.59	110%	10 - 175	10B0276	NTA1891-12RE 1	02/02/10 19:57
1,2,3-Trichlorobenzene	ND	2.80		mg/kg	2.59	108%	10 - 182	10B0276	NTA1891-12RE 1	02/02/10 19:57
1,1,1-Trichloroethane	ND	2.36		mg/kg	2.59	91%	39 - 148	10B0276	NTA1891-12RE 1	02/02/10 19:57
1,1,2-Trichloroethane	ND	2.83		mg/kg	2.59	109%	43 - 145	10B0276	NTA1891-12RE 1	02/02/10 19:57
Trichloroethene	ND	2.42		mg/kg	2.59	93%	39 - 150	10B0276	NTA1891-12RE 1	02/02/10 19:57
Trichlorofluoromethane	ND	1.04		mg/kg	2.59	40%	25 - 174	10B0276	NTA1891-12RE 1	02/02/10 19:57
Vinyl chloride	ND	2.70		mg/kg	2.59	104%	32 - 163	10B0276	NTA1891-12RE 1	02/02/10 19:57
Xylenes, total	ND	9.18		mg/kg	7.76	118%	31 - 159	10B0276	NTA1891-12RE 1	02/02/10 19:57
<i>Surrogate: 1,2-Dichloroethane-d4</i>		48.0		ug/kg	50.0	96%	67 - 138	10B0276	NTA1891-12RE 1	02/02/10 19:57
<i>Surrogate: Dibromofluoromethane</i>		46.9		ug/kg	50.0	94%	75 - 125	10B0276	NTA1891-12RE 1	02/02/10 19:57
<i>Surrogate: Toluene-d8</i>		57.3		ug/kg	50.0	115%	76 - 129	10B0276	NTA1891-12RE 1	02/02/10 19:57
<i>Surrogate: 4-Bromofluorobenzene</i>		47.4		ug/kg	50.0	95%	67 - 147	10B0276	NTA1891-12RE 1	02/02/10 19:57
<b>10B0358-MS1</b>										
Acetone	ND	260		ug/L	250	104%	56 - 150	10B0358	NTA1619-01	02/01/10 20:50
Benzene	ND	48.5		ug/L	50.0	97%	65 - 151	10B0358	NTA1619-01	02/01/10 20:50
Bromochloromethane	ND	52.2		ug/L	50.0	104%	64 - 154	10B0358	NTA1619-01	02/01/10 20:50
Bromodichloromethane	ND	50.2		ug/L	50.0	100%	75 - 138	10B0358	NTA1619-01	02/01/10 20:50

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>										
<b>10B0358-MS1</b>										
Bromoform	ND	41.7		ug/L	50.0	83%	55 - 153	10B0358	NTA1619-01	02/01/10 20:50
Bromomethane	ND	41.2		ug/L	50.0	82%	13 - 176	10B0358	NTA1619-01	02/01/10 20:50
2-Butanone	ND	262		ug/L	250	105%	45 - 164	10B0358	NTA1619-01	02/01/10 20:50
tert-Butylbenzene	ND	45.2		ug/L	50.0	90%	73 - 153	10B0358	NTA1619-01	02/01/10 20:50
n-Butylbenzene	ND	45.4		ug/L	50.0	91%	67 - 151	10B0358	NTA1619-01	02/01/10 20:50
sec-Butylbenzene	ND	45.6		ug/L	50.0	91%	68 - 159	10B0358	NTA1619-01	02/01/10 20:50
Carbon disulfide	ND	48.8		ug/L	50.0	98%	33 - 187	10B0358	NTA1619-01	02/01/10 20:50
Carbon Tetrachloride	ND	53.6		ug/L	50.0	107%	64 - 157	10B0358	NTA1619-01	02/01/10 20:50
Chlorobenzene	ND	46.1		ug/L	50.0	92%	78 - 136	10B0358	NTA1619-01	02/01/10 20:50
Chlorodibromomethane	ND	42.9		ug/L	50.0	86%	64 - 145	10B0358	NTA1619-01	02/01/10 20:50
Chloroethane	ND	41.4		ug/L	50.0	83%	48 - 159	10B0358	NTA1619-01	02/01/10 20:50
Chloroform	ND	48.6		ug/L	50.0	97%	72 - 145	10B0358	NTA1619-01	02/01/10 20:50
Chloromethane	ND	35.9		ug/L	50.0	72%	10 - 194	10B0358	NTA1619-01	02/01/10 20:50
Cyclohexane	ND	49.5		ug/L	50.0	99%	58 - 151	10B0358	NTA1619-01	02/01/10 20:50
1,2-Dibromo-3-chloropropane	ND	42.4		ug/L	50.0	85%	49 - 162	10B0358	NTA1619-01	02/01/10 20:50
1,2-Dibromoethane (EDB)	ND	49.3		ug/L	50.0	99%	70 - 152	10B0358	NTA1619-01	02/01/10 20:50
Methylcyclohexane	ND	46.0		ug/L	50.0	92%	60 - 156	10B0358	NTA1619-01	02/01/10 20:50
1,2-Dichlorobenzene	ND	45.4		ug/L	50.0	91%	80 - 136	10B0358	NTA1619-01	02/01/10 20:50
1,3-Dichlorobenzene	ND	45.3		ug/L	50.0	91%	72 - 146	10B0358	NTA1619-01	02/01/10 20:50
1,4-Dichlorobenzene	0.310	44.3		ug/L	50.0	88%	75 - 135	10B0358	NTA1619-01	02/01/10 20:50
Dichlorodifluoromethane	1.00	32.3		ug/L	50.0	63%	23 - 159	10B0358	NTA1619-01	02/01/10 20:50
1,2-Dichloroethane	ND	49.0		ug/L	50.0	98%	72 - 137	10B0358	NTA1619-01	02/01/10 20:50
1,1-Dichloroethane	1.16	46.4		ug/L	50.0	91%	64 - 154	10B0358	NTA1619-01	02/01/10 20:50
1,1-Dichloroethene	ND	49.0		ug/L	50.0	98%	34 - 151	10B0358	NTA1619-01	02/01/10 20:50
trans-1,2-Dichloroethene	ND	49.6		ug/L	50.0	99%	57 - 157	10B0358	NTA1619-01	02/01/10 20:50
1,1,2-Trifluorotrichloroethane	ND	51.9		ug/L	50.0	104%	73 - 136	10B0358	NTA1619-01	02/01/10 20:50
cis-1,2-Dichloroethene	ND	49.3		ug/L	50.0	99%	57 - 154	10B0358	NTA1619-01	02/01/10 20:50
1,2-Dichloropropane	ND	44.6		ug/L	50.0	89%	71 - 139	10B0358	NTA1619-01	02/01/10 20:50
trans-1,3-Dichloropropene	ND	47.9		ug/L	50.0	96%	47 - 157	10B0358	NTA1619-01	02/01/10 20:50
cis-1,3-Dichloropropene	ND	46.0		ug/L	50.0	92%	56 - 156	10B0358	NTA1619-01	02/01/10 20:50
Ethylbenzene	ND	46.2		ug/L	50.0	92%	68 - 157	10B0358	NTA1619-01	02/01/10 20:50
2-Hexanone	ND	259		ug/L	250	104%	57 - 154	10B0358	NTA1619-01	02/01/10 20:50
Isopropylbenzene	ND	47.6		ug/L	50.0	95%	69 - 139	10B0358	NTA1619-01	02/01/10 20:50
p-Isopropyltoluene	ND	44.3		ug/L	50.0	89%	69 - 151	10B0358	NTA1619-01	02/01/10 20:50
Methyl Acetate	ND	79.1	M7	ug/L	50.0	158%	16 - 140	10B0358	NTA1619-01	02/01/10 20:50
Methyl tert-Butyl Ether	ND	48.4		ug/L	50.0	97%	56 - 152	10B0358	NTA1619-01	02/01/10 20:50
Methylene Chloride	ND	49.3		ug/L	50.0	99%	71 - 136	10B0358	NTA1619-01	02/01/10 20:50

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike - Cont.**

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>										
<b>10B0358-MS1</b>										
4-Methyl-2-pentanone	ND	240		ug/L	250	96%	62 - 159	10B0358	NTA1619-01	02/01/10 20:50
Naphthalene	ND	47.4		ug/L	50.0	95%	56 - 161	10B0358	NTA1619-01	02/01/10 20:50
n-Propylbenzene	ND	44.2		ug/L	50.0	88%	61 - 167	10B0358	NTA1619-01	02/01/10 20:50
Styrene	ND	49.2		ug/L	50.0	98%	69 - 150	10B0358	NTA1619-01	02/01/10 20:50
1,1,2,2-Tetrachloroethane	ND	48.7		ug/L	50.0	97%	76 - 141	10B0358	NTA1619-01	02/01/10 20:50
Tetrachloroethene	ND	45.8		ug/L	50.0	92%	63 - 155	10B0358	NTA1619-01	02/01/10 20:50
Toluene	ND	45.7		ug/L	50.0	91%	61 - 153	10B0358	NTA1619-01	02/01/10 20:50
1,2,4-Trichlorobenzene	ND	46.3		ug/L	50.0	93%	64 - 147	10B0358	NTA1619-01	02/01/10 20:50
1,2,3-Trichlorobenzene	ND	47.4		ug/L	50.0	95%	57 - 155	10B0358	NTA1619-01	02/01/10 20:50
1,1,1-Trichloroethane	ND	49.3		ug/L	50.0	99%	78 - 153	10B0358	NTA1619-01	02/01/10 20:50
1,1,2-Trichloroethane	ND	47.4		ug/L	50.0	95%	74 - 138	10B0358	NTA1619-01	02/01/10 20:50
Trichloroethene	ND	46.8		ug/L	50.0	94%	74 - 139	10B0358	NTA1619-01	02/01/10 20:50
Trichlorofluoromethane	0.520	44.1		ug/L	50.0	87%	53 - 149	10B0358	NTA1619-01	02/01/10 20:50
1,3,5-Trimethylbenzene	ND	45.5		ug/L	50.0	91%	67 - 151	10B0358	NTA1619-01	02/01/10 20:50
1,2,4-Trimethylbenzene	ND	46.4		ug/L	50.0	93%	69 - 150	10B0358	NTA1619-01	02/01/10 20:50
Vinyl chloride	ND	41.1		ug/L	50.0	82%	53 - 137	10B0358	NTA1619-01	02/01/10 20:50
o-Xylene	ND	46.9		ug/L	50.0	94%	62 - 167	10B0358	NTA1619-01	02/01/10 20:50
m,p-Xylene	ND	93.4		ug/L	100	93%	69 - 155	10B0358	NTA1619-01	02/01/10 20:50
Xylenes, total	ND	140		ug/L	150	93%	68 - 158	10B0358	NTA1619-01	02/01/10 20:50
Surrogate: 1,2-Dichloroethane-d4		24.9		ug/L	25.0	100%	63 - 140	10B0358	NTA1619-01	02/01/10 20:50
Surrogate: Dibromofluoromethane		25.8		ug/L	25.0	103%	73 - 131	10B0358	NTA1619-01	02/01/10 20:50
Surrogate: Toluene-d8		23.5		ug/L	25.0	94%	80 - 120	10B0358	NTA1619-01	02/01/10 20:50
Surrogate: 4-Bromofluorobenzene		24.5		ug/L	25.0	98%	79 - 125	10B0358	NTA1619-01	02/01/10 20:50

**Semivolatile Organic Compounds by EPA Method 8270C**

**10A3612-MS1**

Acenaphthene	ND	0.688	M8	mg/kg	1.66	41%	42 - 120	10A3612	NTA1891-03	01/31/10 17:30
Acenaphthylene	ND	0.756		mg/kg	1.66	45%	32 - 120	10A3612	NTA1891-03	01/31/10 17:30
Acetophenone	ND	0.723		mg/kg	1.66	43%	10 - 200	10A3612	NTA1891-03	01/31/10 17:30
Anthracene	ND	0.886		mg/kg	1.66	53%	10 - 200	10A3612	NTA1891-03	01/31/10 17:30
Benzo (a) anthracene	ND	0.874		mg/kg	1.66	53%	41 - 120	10A3612	NTA1891-03	01/31/10 17:30
Benzo (b) fluoranthene	ND	0.882		mg/kg	1.66	53%	26 - 137	10A3612	NTA1891-03	01/31/10 17:30
Benzo (a) pyrene	ND	0.845		mg/kg	1.66	51%	33 - 121	10A3612	NTA1891-03	01/31/10 17:30
Benzo (g,h,i) perylene	ND	0.845		mg/kg	1.66	51%	21 - 124	10A3612	NTA1891-03	01/31/10 17:30
Benzo (k) fluoranthene	ND	0.820		mg/kg	1.66	49%	14 - 140	10A3612	NTA1891-03	01/31/10 17:30
4-Bromophenyl phenyl ether	ND	0.673		mg/kg	1.66	40%	39 - 120	10A3612	NTA1891-03	01/31/10 17:30
Butyl benzyl phthalate	ND	0.843		mg/kg	1.66	51%	47 - 124	10A3612	NTA1891-03	01/31/10 17:30

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>										
<b>10A3612-MS1</b>										
4-Chloro-3-methylphenol	ND	0.466	M8	mg/kg	1.66	28%	38 - 120	10A3612	NTA1891-03	01/31/10 17:30
4-Chloroaniline	ND	0.975		mg/kg	1.66	59%	20 - 120	10A3612	NTA1891-03	01/31/10 17:30
Caprolactam	ND	<0.102		mg/kg			10 - 199	10A3612	NTA1891-03	01/31/10 17:30
Carbazole	ND	0.887		mg/kg	1.66	53%	37 - 120	10A3612	NTA1891-03	01/31/10 17:30
2-Chloronaphthalene	ND	0.704		mg/kg	1.66	42%	39 - 120	10A3612	NTA1891-03	01/31/10 17:30
Bis(2-chloroethoxy)methane	ND	0.816		mg/kg	1.66	49%	32 - 120	10A3612	NTA1891-03	01/31/10 17:30
Bis(2-chloroethyl)ether	ND	0.894		mg/kg	1.66	54%	25 - 120	10A3612	NTA1891-03	01/31/10 17:30
Bis(2-chloroisopropyl)ether	ND	0.774		mg/kg	1.66	47%	23 - 120	10A3612	NTA1891-03	01/31/10 17:30
2-Chlorophenol	ND	<0.109	M8	mg/kg	1.66	0%	28 - 120	10A3612	NTA1891-03	01/31/10 17:30
4-Chlorophenyl phenyl ether	ND	0.711		mg/kg	1.66	43%	43 - 120	10A3612	NTA1891-03	01/31/10 17:30
Chrysene	ND	0.870		mg/kg	1.66	52%	28 - 123	10A3612	NTA1891-03	01/31/10 17:30
Dibenz (a,h) anthracene	ND	0.940		mg/kg	1.66	57%	25 - 127	10A3612	NTA1891-03	01/31/10 17:30
Dibenzofuran	ND	0.764		mg/kg	1.66	46%	40 - 120	10A3612	NTA1891-03	01/31/10 17:30
Di-n-butyl phthalate	ND	0.843		mg/kg	1.66	51%	32 - 124	10A3612	NTA1891-03	01/31/10 17:30
3,3-Dichlorobenzidine	ND	0.767		mg/kg	1.66	46%	13 - 120	10A3612	NTA1891-03	01/31/10 17:30
2,4-Dichlorophenol	ND	<0.0868	M8	mg/kg	1.66	0%	33 - 120	10A3612	NTA1891-03	01/31/10 17:30
2,6-Dichlorophenol	ND	<0.148		mg/kg			10 - 200	10A3612	NTA1891-03	01/31/10 17:30
Diethyl phthalate	ND	0.703		mg/kg	1.66	42%	34 - 120	10A3612	NTA1891-03	01/31/10 17:30
2,4-Dimethylphenol	ND	1.06		mg/kg	1.66	64%	29 - 120	10A3612	NTA1891-03	01/31/10 17:30
Dimethyl phthalate	ND	0.654	M8	mg/kg	1.66	39%	43 - 120	10A3612	NTA1891-03	01/31/10 17:30
4,6-Dinitro-2-methylphenol	ND	<0.115	M8	mg/kg	1.66	0%	10 - 134	10A3612	NTA1891-03	01/31/10 17:30
2,4-Dinitrophenol	ND	0.236		mg/kg	1.66	14%	10 - 145	10A3612	NTA1891-03	01/31/10 17:30
2,6-Dinitrotoluene	ND	1.00		mg/kg	1.66	60%	43 - 120	10A3612	NTA1891-03	01/31/10 17:30
2,4-Dinitrotoluene	ND	1.00		mg/kg	1.66	60%	42 - 122	10A3612	NTA1891-03	01/31/10 17:30
Di-n-octyl phthalate	ND	1.01		mg/kg	1.66	60%	34 - 135	10A3612	NTA1891-03	01/31/10 17:30
Bis(2-ethylhexyl)phthalate	ND	0.918		mg/kg	1.66	55%	40 - 127	10A3612	NTA1891-03	01/31/10 17:30
Fluoranthene	ND	0.835		mg/kg	1.66	50%	38 - 120	10A3612	NTA1891-03	01/31/10 17:30
Fluorene	ND	0.750		mg/kg	1.66	45%	41 - 120	10A3612	NTA1891-03	01/31/10 17:30
Hexachlorobenzene	ND	0.806		mg/kg	1.66	48%	44 - 120	10A3612	NTA1891-03	01/31/10 17:30
Hexachlorobutadiene	ND	0.505		mg/kg	1.66	30%	17 - 120	10A3612	NTA1891-03	01/31/10 17:30
Hexachlorocyclopentadiene	ND	0.281		mg/kg	1.66	17%	10 - 120	10A3612	NTA1891-03	01/31/10 17:30
Hexachloroethane	ND	0.381		mg/kg	1.66	23%	10 - 120	10A3612	NTA1891-03	01/31/10 17:30
Indeno (1,2,3-cd) pyrene	ND	0.905		mg/kg	1.66	54%	25 - 123	10A3612	NTA1891-03	01/31/10 17:30
Isophorone	ND	0.957		mg/kg	1.66	58%	32 - 120	10A3612	NTA1891-03	01/31/10 17:30
2-Methylnaphthalene	ND	0.613		mg/kg	1.66	37%	11 - 120	10A3612	NTA1891-03	01/31/10 17:30
2-Methylphenol	ND	0.710		mg/kg	1.66	43%	41 - 120	10A3612	NTA1891-03	01/31/10 17:30
3/4-Methylphenol	ND	0.506	M8	mg/kg	1.66	30%	36 - 127	10A3612	NTA1891-03	01/31/10 17:30



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>										
<b>10A3612-MS1</b>										
Naphthalene	ND	0.580		mg/kg	1.66	35%	25 - 120	10A3612	NTA1891-03	01/31/10 17:30
2-Nitroaniline	ND	1.13		mg/kg	1.66	68%	46 - 120	10A3612	NTA1891-03	01/31/10 17:30
3-Nitroaniline	ND	1.11		mg/kg	1.66	67%	36 - 120	10A3612	NTA1891-03	01/31/10 17:30
4-Nitroaniline	ND	1.09		mg/kg	1.66	66%	35 - 121	10A3612	NTA1891-03	01/31/10 17:30
Nitrobenzene	ND	0.912		mg/kg	1.66	55%	26 - 120	10A3612	NTA1891-03	01/31/10 17:30
2-Nitrophenol	ND	<0.196	M8	mg/kg	1.66	0%	26 - 120	10A3612	NTA1891-03	01/31/10 17:30
4-Nitrophenol	ND	<0.275	M8	mg/kg	1.66	0%	19 - 136	10A3612	NTA1891-03	01/31/10 17:30
N-Nitrosodiphenylamine	ND	0.915		mg/kg	1.66	55%	43 - 120	10A3612	NTA1891-03	01/31/10 17:30
N-Nitrosodi-n-propylamine	ND	1.04		mg/kg	1.66	63%	34 - 120	10A3612	NTA1891-03	01/31/10 17:30
Pentachlorophenol	ND	0.127	M8	mg/kg	1.66	8%	15 - 135	10A3612	NTA1891-03	01/31/10 17:30
Phenanthrene	ND	0.770		mg/kg	1.66	46%	37 - 120	10A3612	NTA1891-03	01/31/10 17:30
Phenol	ND	0.197	M8	mg/kg	1.66	12%	38 - 120	10A3612	NTA1891-03	01/31/10 17:30
Pyrene	ND	0.852		mg/kg	1.66	51%	29 - 125	10A3612	NTA1891-03	01/31/10 17:30
2,4,6-Trichlorophenol	ND	<0.0868		mg/kg	1.66	0%	32 - 120	10A3612	NTA1891-03	01/31/10 17:30
Surrogate: Phenol-d5		0.130	ZX	mg/kg	1.66	8%	18 - 120	10A3612	NTA1891-03	01/31/10 17:30
Surrogate: 2-Fluorobiphenyl		0.492		mg/kg	1.66	30%	14 - 120	10A3612	NTA1891-03	01/31/10 17:30
Surrogate: Nitrobenzene-d5		0.815		mg/kg	1.66	49%	17 - 120	10A3612	NTA1891-03	01/31/10 17:30
Surrogate: Terphenyl-d14		0.686		mg/kg	1.66	41%	18 - 120	10A3612	NTA1891-03	01/31/10 17:30
Surrogate: 2,4,6-Tribromophenol		0.0209	ZX	mg/kg	1.66	1%	19 - 120	10A3612	NTA1891-03	01/31/10 17:30

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Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Total Metals by EPA Method 6010B</b>												
<b>10A3452-MSD1</b>												
Aluminum	ND	1.98		mg/L	2.00	99%	75 - 125	0.9	20	10A3452	NTA1891-05	01/29/10 15:28
Antimony	ND	0.0992		mg/L	0.100	99%	75 - 125	0.7	20	10A3452	NTA1891-05	01/29/10 15:28
Arsenic	ND	0.0416		mg/L	0.0500	83%	75 - 125	0.5	20	10A3452	NTA1891-05	01/29/10 15:28
Barium	ND	1.90		mg/L	2.00	95%	75 - 125	0.9	20	10A3452	NTA1891-05	01/29/10 15:28
Beryllium	ND	0.0471		mg/L	0.0500	94%	75 - 125	0.8	20	10A3452	NTA1891-05	01/29/10 15:28
Cadmium	ND	0.0454		mg/L	0.0500	91%	75 - 125	2	20	10A3452	NTA1891-05	01/29/10 15:28
Calcium	ND	4.79		mg/L	5.00	96%	75 - 125	0.6	20	10A3452	NTA1891-05	01/29/10 15:28
Chromium	ND	0.187		mg/L	0.200	93%	75 - 125	1	20	10A3452	NTA1891-05	01/29/10 15:28
Cobalt	ND	0.455		mg/L	0.500	91%	75 - 125	0.9	20	10A3452	NTA1891-05	01/29/10 15:28
Copper	ND	0.254		mg/L	0.250	102%	75 - 125	0.04	20	10A3452	NTA1891-05	01/29/10 15:28
Iron	ND	0.971		mg/L	1.00	97%	75 - 125	0.5	20	10A3452	NTA1891-05	01/29/10 15:28
Lead	ND	0.0439		mg/L	0.0500	88%	75 - 125	0.2	20	10A3452	NTA1891-05	01/29/10 15:28
Magnesium	ND	4.71		mg/L	5.00	94%	75 - 125	0.6	20	10A3452	NTA1891-05	01/29/10 15:28
Manganese	ND	0.510		mg/L	0.500	102%	75 - 125	1	20	10A3452	NTA1891-05	01/29/10 15:28
Nickel	ND	0.493		mg/L	0.500	99%	75 - 125	1	20	10A3452	NTA1891-05	01/29/10 15:28
Potassium	ND	4.58		mg/L	5.00	92%	75 - 125	0.7	20	10A3452	NTA1891-05	01/29/10 15:28
Selenium	ND	0.0440		mg/L	0.0500	88%	75 - 125	0.7	20	10A3452	NTA1891-05	01/29/10 15:28
Silver	ND	0.0486		mg/L	0.0500	97%	75 - 125	1	20	10A3452	NTA1891-05	01/29/10 15:28
Sodium	ND	5.19		mg/L	5.00	104%	75 - 125	1	20	10A3452	NTA1891-05	01/29/10 15:28
Thallium	ND	0.0471		mg/L	0.0500	94%	75 - 125	4	20	10A3452	NTA1891-05	01/29/10 15:28
Vanadium	ND	0.492		mg/L	0.500	98%	75 - 125	0.6	20	10A3452	NTA1891-05	01/29/10 15:28
Zinc	0.0113	0.496		mg/L	0.500	97%	75 - 125	2	20	10A3452	NTA1891-05	01/29/10 15:28
<b>10A3624-MSD1</b>												
Antimony	ND	41.0		mg/kg	38.8	105%	75 - 125	1	20	10A3624	NTA1891-03	01/29/10 12:28
Arsenic	19.8	36.0		mg/kg	19.4	83%	75 - 125	2	20	10A3624	NTA1891-03	01/29/10 12:28
Barium	108	898		mg/kg	777	102%	75 - 125	3	20	10A3624	NTA1891-03	01/29/10 12:28
Beryllium	ND	18.9		mg/kg	19.4	97%	75 - 125	2	20	10A3624	NTA1891-03	01/29/10 12:28
Cadmium	ND	17.4		mg/kg	19.4	89%	75 - 125	2	20	10A3624	NTA1891-03	01/29/10 12:28
Chromium	ND	78.8		mg/kg	77.7	101%	75 - 125	3	20	10A3624	NTA1891-03	01/29/10 12:28
Cobalt	ND	187		mg/kg	194	96%	75 - 125	2	20	10A3624	NTA1891-03	01/29/10 12:28
Copper	9.52	110		mg/kg	97.1	104%	75 - 125	2	20	10A3624	NTA1891-03	01/29/10 12:28
Lead	28.1	38.3	M8	mg/kg	19.4	53%	75 - 125	12	20	10A3624	NTA1891-03	01/29/10 12:28
Magnesium	2010	4540	M7	mg/kg	1940	130%	75 - 125	7	20	10A3624	NTA1891-03	01/29/10 12:28
Manganese	115	303		mg/kg	194	97%	75 - 125	0.2	20	10A3624	NTA1891-03	01/29/10 12:28
Nickel	ND	188		mg/kg	194	97%	75 - 125	2	20	10A3624	NTA1891-03	01/29/10 12:28
Potassium	ND	4700	M7	mg/kg	1940	242%	75 - 125	2	20	10A3624	NTA1891-03	01/29/10 12:28
Selenium	9.27	25.7		mg/kg	19.4	85%	75 - 125	4	20	10A3624	NTA1891-03	01/29/10 12:28
Silver	ND	16.7		mg/kg	19.4	86%	75 - 125	3	20	10A3624	NTA1891-03	01/29/10 12:28
Sodium	ND	2130		mg/kg	1940	110%	75 - 125	5	20	10A3624	NTA1891-03	01/29/10 12:28
Thallium	ND	16.3		mg/kg	19.4	84%	75 - 125	3	20	10A3624	NTA1891-03	01/29/10 12:28

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Total Metals by EPA Method 6010B</b>												
<b>10A3624-MSD1</b>												
Vanadium	ND	201		mg/kg	194	104%	75 - 125	2	20	10A3624	NTA1891-03	01/29/10 12:28
Zinc	310	424	M8	mg/kg	194	59%	75 - 125	5	20	10A3624	NTA1891-03	01/29/10 12:28
<b>Mercury by EPA Methods 7470A/7471A</b>												
<b>10A3578-MSD1</b>												
Mercury	0.0505	0.214		mg/kg	0.167	98%	75 - 125	2	20	10A3578	NTA1697-04	02/03/10 09:37
<b>10B0215-MSD1</b>												
Mercury	ND	0.00104		mg/L	0.00100	104%	75 - 125	2	20	10B0215	NTA1604-01	02/03/10 13:54
<b>Polychlorinated Biphenyls by EPA Method 8082</b>												
<b>10A3609-MSD1</b>												
PCB-1248	ND	0.154		mg/kg	0.161	95%	17 - 151	6	50	10A3609	NTA1962-02	02/01/10 15:54
<i>Surrogate: Tetrachloro-meta-xylene</i>		0.0100		mg/kg	0.0161	62%	19 - 147			10A3609	NTA1962-02	02/01/10 15:54
<i>Surrogate: Decachlorobiphenyl</i>		0.0123		mg/kg	0.0161	76%	20 - 150			10A3609	NTA1962-02	02/01/10 15:54
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10A3560-MSD1</b>												
Acetone	0.148	471		ug/kg	250	188%	29 - 181	27	50	10A3560	NTA1891-03	01/30/10 20:34
Benzene	ND	37.4		ug/kg	50.0	75%	42 - 141	8	50	10A3560	NTA1891-03	01/30/10 20:34
Bromochloromethane	ND	31.0		ug/kg	50.0	62%	41 - 146	3	50	10A3560	NTA1891-03	01/30/10 20:34
Bromodichloromethane	ND	29.3		ug/kg	50.0	59%	32 - 155	3	50	10A3560	NTA1891-03	01/30/10 20:34
Bromoform	ND	19.6		ug/kg	50.0	39%	10 - 155	1	43	10A3560	NTA1891-03	01/30/10 20:34
Bromomethane	ND	22.2		ug/kg	50.0	44%	10 - 199	0.05	46	10A3560	NTA1891-03	01/30/10 20:34
2-Butanone	0.00579	114		ug/kg	250	46%	38 - 161	10	50	10A3560	NTA1891-03	01/30/10 20:34
Carbon disulfide	0.0899	32.1	M8, R2	ug/kg	50.0	64%	50 - 136	81	48	10A3560	NTA1891-03	01/30/10 20:34
Carbon Tetrachloride	ND	48.0		ug/kg	50.0	96%	30 - 159	6	44	10A3560	NTA1891-03	01/30/10 20:34
Chlorobenzene	ND	21.6		ug/kg	50.0	43%	25 - 151	10	50	10A3560	NTA1891-03	01/30/10 20:34
Chlorodibromomethane	ND	23.4		ug/kg	50.0	47%	27 - 150	4	48	10A3560	NTA1891-03	01/30/10 20:34
Chloroethane	ND	38.1		ug/kg	50.0	76%	15 - 197	0.3	50	10A3560	NTA1891-03	01/30/10 20:34
Chloroform	0.000369	34.6	B	ug/kg	50.0	69%	33 - 148	3	50	10A3560	NTA1891-03	01/30/10 20:34
Chloromethane	ND	29.3		ug/kg	50.0	59%	10 - 166	7	44	10A3560	NTA1891-03	01/30/10 20:34
Cyclohexane	ND	46.0		ug/kg	50.0	92%	26 - 165	8	40	10A3560	NTA1891-03	01/30/10 20:34
1,2-Dibromo-3-chloropropane	ND	18.8		ug/kg	50.0	38%	10 - 167	8	45	10A3560	NTA1891-03	01/30/10 20:34
1,2-Dibromoethane (EDB)	ND	21.6		ug/kg	50.0	43%	30 - 155	4	45	10A3560	NTA1891-03	01/30/10 20:34
Methylcyclohexane	ND	40.9		ug/kg	50.0	82%	11 - 151	10	27	10A3560	NTA1891-03	01/30/10 20:34
1,2-Dichlorobenzene	ND	11.0		ug/kg	50.0	22%	10 - 168	10	50	10A3560	NTA1891-03	01/30/10 20:34
1,3-Dichlorobenzene	ND	11.6		ug/kg	50.0	23%	10 - 173	16	50	10A3560	NTA1891-03	01/30/10 20:34
1,4-Dichlorobenzene	ND	10.0		ug/kg	50.0	20%	10 - 170	14	50	10A3560	NTA1891-03	01/30/10 20:34
Dichlorodifluoromethane	ND	23.1		ug/kg	50.0	46%	10 - 188	14	50	10A3560	NTA1891-03	01/30/10 20:34
1,2-Dichloroethane	ND	28.2		ug/kg	50.0	56%	32 - 155	4	50	10A3560	NTA1891-03	01/30/10 20:34

Client Tetra Tech EMI (7797)  
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Work Order: NTA1891  
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Received: 01/26/10 08:00

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike Dup - Cont.**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10A3560-MSD1</b>												
1,1-Dichloroethane	ND	40.4		ug/kg	50.0	81%	51 - 135	0.8	50	10A3560	NTA1891-03	01/30/10 20:34
1,1-Dichloroethene	ND	45.2		ug/kg	50.0	90%	46 - 141	6	50	10A3560	NTA1891-03	01/30/10 20:34
trans-1,2-Dichloroethene	ND	37.0		ug/kg	50.0	74%	41 - 146	7	40	10A3560	NTA1891-03	01/30/10 20:34
1,1,2-Trifluorotrichloroethane	ND	51.7		ug/kg	50.0	103%	30 - 169	8	46	10A3560	NTA1891-03	01/30/10 20:34
cis-1,2-Dichloroethene	ND	32.0		ug/kg	50.0	64%	32 - 150	5	50	10A3560	NTA1891-03	01/30/10 20:34
1,2-Dichloropropane	ND	31.6		ug/kg	50.0	63%	34 - 139	3	50	10A3560	NTA1891-03	01/30/10 20:34
trans-1,3-Dichloropropene	ND	12.6		ug/kg	50.0	25%	24 - 151	9	48	10A3560	NTA1891-03	01/30/10 20:34
cis-1,3-Dichloropropene	ND	12.4		ug/kg	50.0	25%	23 - 152	10	50	10A3560	NTA1891-03	01/30/10 20:34
Ethylbenzene	ND	30.5		ug/kg	50.0	61%	21 - 165	9	50	10A3560	NTA1891-03	01/30/10 20:34
2-Hexanone	ND	98.8		ug/kg	250	40%	13 - 174	3	50	10A3560	NTA1891-03	01/30/10 20:34
Isopropylbenzene	ND	30.0		ug/kg	50.0	60%	20 - 139	11	50	10A3560	NTA1891-03	01/30/10 20:34
Methyl Acetate	ND	116	M7	ug/kg	50.0	231%	10 - 200	8	50	10A3560	NTA1891-03	01/30/10 20:34
Methyl tert-Butyl Ether	ND	30.6		ug/kg	50.0	61%	34 - 154	10	50	10A3560	NTA1891-03	01/30/10 20:34
Methylene Chloride	0.000559	35.6		ug/kg	50.0	71%	36 - 163	2	50	10A3560	NTA1891-03	01/30/10 20:34
4-Methyl-2-pentanone	ND	124		ug/kg	250	50%	19 - 176	8	45	10A3560	NTA1891-03	01/30/10 20:34
Styrene	ND	14.0		ug/kg	50.0	28%	10 - 177	18	50	10A3560	NTA1891-03	01/30/10 20:34
1,1,2,2-Tetrachloroethane	ND	21.2		ug/kg	50.0	42%	27 - 163	1	45	10A3560	NTA1891-03	01/30/10 20:34
Tetrachloroethene	ND	37.5		ug/kg	50.0	75%	33 - 155	10	50	10A3560	NTA1891-03	01/30/10 20:34
Toluene	ND	32.6		ug/kg	50.0	65%	45 - 145	8	50	10A3560	NTA1891-03	01/30/10 20:34
1,2,4-Trichlorobenzene	ND	4.91		ug/kg	50.0	10%	10 - 175	7	50	10A3560	NTA1891-03	01/30/10 20:34
1,2,3-Trichlorobenzene	ND	4.43	M8	ug/kg	50.0	9%	10 - 182	0	50	10A3560	NTA1891-03	01/30/10 20:34
1,1,1-Trichloroethane	ND	44.6		ug/kg	50.0	89%	39 - 148	5	41	10A3560	NTA1891-03	01/30/10 20:34
1,1,2-Trichloroethane	ND	26.4		ug/kg	50.0	53%	43 - 145	3	50	10A3560	NTA1891-03	01/30/10 20:34
Trichloroethene	ND	36.4		ug/kg	50.0	73%	39 - 150	5	50	10A3560	NTA1891-03	01/30/10 20:34
Trichlorofluoromethane	ND	41.3		ug/kg	50.0	83%	25 - 174	6	47	10A3560	NTA1891-03	01/30/10 20:34
Vinyl chloride	ND	36.6		ug/kg	50.0	73%	32 - 163	5	39	10A3560	NTA1891-03	01/30/10 20:34
Xylenes, total	ND	82.2		ug/kg	150	55%	31 - 159	10	50	10A3560	NTA1891-03	01/30/10 20:34
Surrogate: 1,2-Dichloroethane-d4		51.2		ug/kg	50.0	102%	67 - 138			10A3560	NTA1891-03	01/30/10 20:34
Surrogate: Dibromofluoromethane		50.8		ug/kg	50.0	102%	75 - 125			10A3560	NTA1891-03	01/30/10 20:34
Surrogate: Toluene-d8		51.2		ug/kg	50.0	102%	76 - 129			10A3560	NTA1891-03	01/30/10 20:34
Surrogate: 4-Bromofluorobenzene		50.7		ug/kg	50.0	101%	67 - 147			10A3560	NTA1891-03	01/30/10 20:34
<b>10A3560-MSD2</b>												
Acetone	0.00826	242		ug/kg	250	97%	29 - 181	27	50	10A3560	NTA1949-03	02/01/10 21:41
Benzene	0.000549	47.0		ug/kg	50.0	94%	42 - 141	17	50	10A3560	NTA1949-03	02/01/10 21:41
Bromochloromethane	ND	48.6		ug/kg	50.0	97%	41 - 146	8	50	10A3560	NTA1949-03	02/01/10 21:41
Bromodichloromethane	ND	43.9		ug/kg	50.0	88%	32 - 155	16	50	10A3560	NTA1949-03	02/01/10 21:41
Bromoform	ND	43.0		ug/kg	50.0	86%	10 - 155	17	43	10A3560	NTA1949-03	02/01/10 21:41
Bromomethane	ND	40.4		ug/kg	50.0	81%	10 - 199	31	46	10A3560	NTA1949-03	02/01/10 21:41
2-Butanone	ND	224		ug/kg	250	90%	38 - 161	25	50	10A3560	NTA1949-03	02/01/10 21:41
Carbon disulfide	0.000841	45.4		ug/kg	50.0	91%	50 - 136	2	48	10A3560	NTA1949-03	02/01/10 21:41

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10A3560-MSD2</b>												
Carbon Tetrachloride	ND	50.4		ug/kg	50.0	101%	30 - 159	19	44	10A3560	NTA1949-03	02/01/10 21:41
Chlorobenzene	ND	40.8		ug/kg	50.0	82%	25 - 151	15	50	10A3560	NTA1949-03	02/01/10 21:41
Chlorodibromomethane	ND	45.6		ug/kg	50.0	91%	27 - 150	16	48	10A3560	NTA1949-03	02/01/10 21:41
Chloroethane	ND	41.2		ug/kg	50.0	82%	15 - 197	17	50	10A3560	NTA1949-03	02/01/10 21:41
Chloroform	0.00978	54.4	B	ug/kg	50.0	109%	33 - 148	12	50	10A3560	NTA1949-03	02/01/10 21:41
Chloromethane	ND	26.8		ug/kg	50.0	54%	10 - 166	18	44	10A3560	NTA1949-03	02/01/10 21:41
Cyclohexane	ND	43.4		ug/kg	50.0	87%	26 - 165	21	40	10A3560	NTA1949-03	02/01/10 21:41
1,2-Dibromo-3-chloropropane	ND	35.0		ug/kg	50.0	70%	10 - 167	19	45	10A3560	NTA1949-03	02/01/10 21:41
1,2-Dibromoethane (EDB)	ND	44.4		ug/kg	50.0	89%	30 - 155	13	45	10A3560	NTA1949-03	02/01/10 21:41
Methylcyclohexane	ND	38.6		ug/kg	50.0	77%	11 - 151	19	27	10A3560	NTA1949-03	02/01/10 21:41
1,2-Dichlorobenzene	ND	34.0		ug/kg	50.0	68%	10 - 168	14	50	10A3560	NTA1949-03	02/01/10 21:41
1,3-Dichlorobenzene	ND	34.3		ug/kg	50.0	69%	10 - 173	17	50	10A3560	NTA1949-03	02/01/10 21:41
1,4-Dichlorobenzene	ND	33.7		ug/kg	50.0	67%	10 - 170	15	50	10A3560	NTA1949-03	02/01/10 21:41
Dichlorodifluoromethane	ND	29.0		ug/kg	50.0	58%	10 - 188	15	50	10A3560	NTA1949-03	02/01/10 21:41
1,2-Dichloroethane	ND	48.0		ug/kg	50.0	96%	32 - 155	17	50	10A3560	NTA1949-03	02/01/10 21:41
1,1-Dichloroethane	ND	48.3		ug/kg	50.0	97%	51 - 135	20	50	10A3560	NTA1949-03	02/01/10 21:41
1,1-Dichloroethene	ND	45.2		ug/kg	50.0	90%	46 - 141	17	50	10A3560	NTA1949-03	02/01/10 21:41
trans-1,2-Dichloroethene	ND	42.3		ug/kg	50.0	85%	41 - 146	6	40	10A3560	NTA1949-03	02/01/10 21:41
1,1,2-Trifluorotrichloroethane	ND	47.3		ug/kg	50.0	95%	30 - 169	19	46	10A3560	NTA1949-03	02/01/10 21:41
cis-1,2-Dichloroethene	ND	44.6		ug/kg	50.0	89%	32 - 150	14	50	10A3560	NTA1949-03	02/01/10 21:41
1,2-Dichloropropane	ND	44.2		ug/kg	50.0	88%	34 - 139	18	50	10A3560	NTA1949-03	02/01/10 21:41
trans-1,3-Dichloropropene	ND	34.5		ug/kg	50.0	69%	24 - 151	9	48	10A3560	NTA1949-03	02/01/10 21:41
cis-1,3-Dichloropropene	ND	38.6		ug/kg	50.0	77%	23 - 152	18	50	10A3560	NTA1949-03	02/01/10 21:41
Ethylbenzene	ND	42.2		ug/kg	50.0	84%	21 - 165	19	50	10A3560	NTA1949-03	02/01/10 21:41
2-Hexanone	ND	192		ug/kg	250	77%	13 - 174	26	50	10A3560	NTA1949-03	02/01/10 21:41
Isopropylbenzene	ND	40.8		ug/kg	50.0	82%	20 - 139	22	50	10A3560	NTA1949-03	02/01/10 21:41
Methyl Acetate	ND	100		ug/kg	50.0	200%	10 - 200	22	50	10A3560	NTA1949-03	02/01/10 21:41
Methyl tert-Butyl Ether	ND	48.3		ug/kg	50.0	97%	34 - 154	24	50	10A3560	NTA1949-03	02/01/10 21:41
Methylene Chloride	0.00445	47.4		ug/kg	50.0	95%	36 - 163	11	50	10A3560	NTA1949-03	02/01/10 21:41
4-Methyl-2-pentanone	ND	225		ug/kg	250	90%	19 - 176	28	45	10A3560	NTA1949-03	02/01/10 21:41
Styrene	ND	40.1		ug/kg	50.0	80%	10 - 177	14	50	10A3560	NTA1949-03	02/01/10 21:41
1,1,2,2-Tetrachloroethane	ND	45.3		ug/kg	50.0	91%	27 - 163	21	45	10A3560	NTA1949-03	02/01/10 21:41
Tetrachloroethene	ND	46.1		ug/kg	50.0	92%	33 - 155	17	50	10A3560	NTA1949-03	02/01/10 21:41
Toluene	ND	43.8		ug/kg	50.0	88%	45 - 145	17	50	10A3560	NTA1949-03	02/01/10 21:41
1,2,4-Trichlorobenzene	ND	24.3		ug/kg	50.0	49%	10 - 175	16	50	10A3560	NTA1949-03	02/01/10 21:41
1,2,3-Trichlorobenzene	ND	22.7		ug/kg	50.0	45%	10 - 182	10	50	10A3560	NTA1949-03	02/01/10 21:41
1,1,1-Trichloroethane	ND	48.4		ug/kg	50.0	97%	39 - 148	21	41	10A3560	NTA1949-03	02/01/10 21:41
1,1,2-Trichloroethane	ND	47.1		ug/kg	50.0	94%	43 - 145	15	50	10A3560	NTA1949-03	02/01/10 21:41
Trichloroethene	ND	44.7		ug/kg	50.0	89%	39 - 150	16	50	10A3560	NTA1949-03	02/01/10 21:41
Trichlorofluoromethane	ND	41.7		ug/kg	50.0	83%	25 - 174	19	47	10A3560	NTA1949-03	02/01/10 21:41
Vinyl chloride	ND	40.0		ug/kg	50.0	80%	32 - 163	13	39	10A3560	NTA1949-03	02/01/10 21:41



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10A3560-MSD2</b>												
Xylenes, total	ND	126		ug/kg	150	84%	31 - 159	19	50	10A3560	NTA1949-03	02/01/10 21:41
Surrogate: 1,2-Dichloroethane-d4		51.7		ug/kg	50.0	103%	67 - 138			10A3560	NTA1949-03	02/01/10 21:41
Surrogate: Dibromofluoromethane		51.0		ug/kg	50.0	102%	75 - 125			10A3560	NTA1949-03	02/01/10 21:41
Surrogate: Toluene-d8		50.9		ug/kg	50.0	102%	76 - 129			10A3560	NTA1949-03	02/01/10 21:41
Surrogate: 4-Bromofluorobenzene		50.1		ug/kg	50.0	100%	67 - 147			10A3560	NTA1949-03	02/01/10 21:41
<b>10A3723-MSD1</b>												
Acetone	9.50	236		ug/L	250	91%	56 - 150	1	31	10A3723	NTA1891-07	01/31/10 06:03
Benzene	ND	49.7		ug/L	50.0	99%	65 - 151	7	12	10A3723	NTA1891-07	01/31/10 06:03
Bromochloromethane	ND	47.2		ug/L	50.0	94%	64 - 154	8	32	10A3723	NTA1891-07	01/31/10 06:03
Bromodichloromethane	ND	49.5		ug/L	50.0	99%	75 - 138	7	13	10A3723	NTA1891-07	01/31/10 06:03
Bromoform	ND	52.9		ug/L	50.0	106%	55 - 153	5	18	10A3723	NTA1891-07	01/31/10 06:03
Bromomethane	ND	46.0		ug/L	50.0	92%	13 - 176	3	50	10A3723	NTA1891-07	01/31/10 06:03
2-Butanone	ND	222		ug/L	250	89%	45 - 164	3	37	10A3723	NTA1891-07	01/31/10 06:03
tert-Butylbenzene	ND	58.5		ug/L	50.0	117%	73 - 153	2	20	10A3723	NTA1891-07	01/31/10 06:03
n-Butylbenzene	ND	56.4		ug/L	50.0	113%	67 - 151	0.5	11	10A3723	NTA1891-07	01/31/10 06:03
sec-Butylbenzene	ND	56.6		ug/L	50.0	113%	68 - 159	0.5	21	10A3723	NTA1891-07	01/31/10 06:03
Carbon disulfide	1.86	45.9		ug/L	50.0	88%	33 - 187	9	28	10A3723	NTA1891-07	01/31/10 06:03
Carbon Tetrachloride	ND	50.2		ug/L	50.0	100%	64 - 157	7	26	10A3723	NTA1891-07	01/31/10 06:03
Chlorobenzene	ND	51.6		ug/L	50.0	103%	78 - 136	4	11	10A3723	NTA1891-07	01/31/10 06:03
Chlorodibromomethane	ND	50.7		ug/L	50.0	101%	64 - 145	5	16	10A3723	NTA1891-07	01/31/10 06:03
Chloroethane	ND	51.4		ug/L	50.0	103%	48 - 159	9	35	10A3723	NTA1891-07	01/31/10 06:03
Chloroform	ND	49.5		ug/L	50.0	99%	72 - 145	7	32	10A3723	NTA1891-07	01/31/10 06:03
Chloromethane	ND	24.0		ug/L	50.0	48%	10 - 194	8	34	10A3723	NTA1891-07	01/31/10 06:03
Cyclohexane	ND	47.3		ug/L	50.0	95%	58 - 151	0.6	13	10A3723	NTA1891-07	01/31/10 06:03
1,2-Dibromo-3-chloropropane	ND	50.2		ug/L	50.0	100%	49 - 162	5	21	10A3723	NTA1891-07	01/31/10 06:03
1,2-Dibromoethane (EDB)	ND	50.1		ug/L	50.0	100%	70 - 152	10	10	10A3723	NTA1891-07	01/31/10 06:03
Methylcyclohexane	ND	49.3		ug/L	50.0	99%	60 - 156	4	13	10A3723	NTA1891-07	01/31/10 06:03
1,2-Dichlorobenzene	ND	55.8		ug/L	50.0	112%	80 - 136	3	11	10A3723	NTA1891-07	01/31/10 06:03
1,3-Dichlorobenzene	ND	53.8		ug/L	50.0	108%	72 - 146	4	18	10A3723	NTA1891-07	01/31/10 06:03
1,4-Dichlorobenzene	ND	50.9		ug/L	50.0	102%	75 - 135	3	10	10A3723	NTA1891-07	01/31/10 06:03
Dichlorodifluoromethane	ND	34.9		ug/L	50.0	70%	23 - 159	5	32	10A3723	NTA1891-07	01/31/10 06:03
1,2-Dichloroethane	ND	45.4		ug/L	50.0	91%	72 - 137	7	25	10A3723	NTA1891-07	01/31/10 06:03
1,1-Dichloroethane	ND	46.6		ug/L	50.0	93%	64 - 154	6	34	10A3723	NTA1891-07	01/31/10 06:03
1,1-Dichloroethene	ND	47.6		ug/L	50.0	95%	34 - 151	6	31	10A3723	NTA1891-07	01/31/10 06:03
trans-1,2-Dichloroethene	ND	46.0		ug/L	50.0	92%	57 - 157	6	32	10A3723	NTA1891-07	01/31/10 06:03
1,1,2-Trifluorotrichloroethane	ND	47.6		ug/L	50.0	95%	73 - 136	3	17	10A3723	NTA1891-07	01/31/10 06:03
cis-1,2-Dichloroethene	ND	46.8		ug/L	50.0	94%	57 - 154	6	32	10A3723	NTA1891-07	01/31/10 06:03
1,2-Dichloropropane	ND	48.6		ug/L	50.0	97%	71 - 139	6	11	10A3723	NTA1891-07	01/31/10 06:03
trans-1,3-Dichloropropene	ND	47.0		ug/L	50.0	94%	47 - 157	8	26	10A3723	NTA1891-07	01/31/10 06:03
cis-1,3-Dichloropropene	ND	52.4		ug/L	50.0	105%	56 - 156	7	35	10A3723	NTA1891-07	01/31/10 06:03

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
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Work Order: NTA1891  
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Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10A3723-MSD1</b>												
Ethylbenzene	ND	51.1		ug/L	50.0	102%	68 - 157	4	12	10A3723	NTA1891-07	01/31/10 06:03
2-Hexanone	ND	222		ug/L	250	89%	57 - 154	1	20	10A3723	NTA1891-07	01/31/10 06:03
Isopropylbenzene	ND	54.3		ug/L	50.0	109%	69 - 139	4	15	10A3723	NTA1891-07	01/31/10 06:03
p-Isopropyltoluene	ND	53.8		ug/L	50.0	108%	69 - 151	1	18	10A3723	NTA1891-07	01/31/10 06:03
Methyl Acetate	ND	46.7		ug/L	50.0	93%	16 - 140	1	40	10A3723	NTA1891-07	01/31/10 06:03
Methyl tert-Butyl Ether	ND	43.5		ug/L	50.0	87%	56 - 152	6	32	10A3723	NTA1891-07	01/31/10 06:03
Methylene Chloride	ND	46.0		ug/L	50.0	92%	71 - 136	7	36	10A3723	NTA1891-07	01/31/10 06:03
4-Methyl-2-pentanone	ND	231		ug/L	250	92%	62 - 159	4	35	10A3723	NTA1891-07	01/31/10 06:03
Naphthalene	ND	54.8		ug/L	50.0	110%	56 - 161	0.2	30	10A3723	NTA1891-07	01/31/10 06:03
n-Propylbenzene	ND	54.4		ug/L	50.0	109%	61 - 167	2	23	10A3723	NTA1891-07	01/31/10 06:03
Styrene	ND	54.2		ug/L	50.0	108%	69 - 150	5	29	10A3723	NTA1891-07	01/31/10 06:03
1,1,2,2-Tetrachloroethane	ND	51.6		ug/L	50.0	103%	76 - 141	4	28	10A3723	NTA1891-07	01/31/10 06:03
Tetrachloroethene	ND	52.6		ug/L	50.0	105%	63 - 155	4	16	10A3723	NTA1891-07	01/31/10 06:03
Toluene	ND	50.4		ug/L	50.0	101%	61 - 153	5	35	10A3723	NTA1891-07	01/31/10 06:03
1,2,4-Trichlorobenzene	ND	59.9		ug/L	50.0	120%	64 - 147	1	23	10A3723	NTA1891-07	01/31/10 06:03
1,2,3-Trichlorobenzene	ND	57.2		ug/L	50.0	114%	57 - 155	1	28	10A3723	NTA1891-07	01/31/10 06:03
1,1,1-Trichloroethane	ND	51.3		ug/L	50.0	103%	78 - 153	7	29	10A3723	NTA1891-07	01/31/10 06:03
1,1,2-Trichloroethane	ND	49.1		ug/L	50.0	98%	74 - 138	5	21	10A3723	NTA1891-07	01/31/10 06:03
Trichloroethene	ND	55.1		ug/L	50.0	110%	74 - 139	6	11	10A3723	NTA1891-07	01/31/10 06:03
Trichlorofluoromethane	ND	42.7		ug/L	50.0	85%	53 - 149	6	33	10A3723	NTA1891-07	01/31/10 06:03
1,3,5-Trimethylbenzene	ND	55.2		ug/L	50.0	110%	67 - 151	2	21	10A3723	NTA1891-07	01/31/10 06:03
1,2,4-Trimethylbenzene	ND	56.2		ug/L	50.0	112%	69 - 150	3	20	10A3723	NTA1891-07	01/31/10 06:03
Vinyl chloride	ND	49.9		ug/L	50.0	100%	53 - 137	7	32	10A3723	NTA1891-07	01/31/10 06:03
o-Xylene	ND	52.4		ug/L	50.0	105%	62 - 167	5	27	10A3723	NTA1891-07	01/31/10 06:03
m,p-Xylene	ND	101		ug/L	100	101%	69 - 155	3	16	10A3723	NTA1891-07	01/31/10 06:03
Xylenes, total	ND	154		ug/L	150	102%	68 - 158	4	18	10A3723	NTA1891-07	01/31/10 06:03
Surrogate: 1,2-Dichloroethane-d4		21.8		ug/L	25.0	87%	63 - 140			10A3723	NTA1891-07	01/31/10 06:03
Surrogate: Dibromofluoromethane		24.2		ug/L	25.0	97%	73 - 131			10A3723	NTA1891-07	01/31/10 06:03
Surrogate: Toluene-d8		24.3		ug/L	25.0	97%	80 - 120			10A3723	NTA1891-07	01/31/10 06:03
Surrogate: 4-Bromofluorobenzene		25.7		ug/L	25.0	103%	79 - 125			10A3723	NTA1891-07	01/31/10 06:03
<b>10B0181-MSD1</b>												
Acetone	ND	21.6	M7	mg/kg	11.9	182%	29 - 181	0.3	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Benzene	ND	2.79		mg/kg	2.38	118%	42 - 141	2	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Bromochloromethane	ND	2.81		mg/kg	2.38	118%	41 - 146	0.08	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Bromodichloromethane	ND	2.65		mg/kg	2.38	111%	32 - 155	0.7	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Bromoform	ND	2.72		mg/kg	2.38	115%	10 - 155	3	43	10B0181	NTA1891-02R E1	02/01/10 22:41
Bromomethane	0.265	3.61	B	mg/kg	2.38	141%	10 - 199	1	46	10B0181	NTA1891-02R E1	02/01/10 22:41

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10B0181-MSD1</b>												
2-Butanone	ND	16.6		mg/kg	11.9	140%	38 - 161	0.3	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Carbon disulfide	0.0722	2.69		mg/kg	2.38	110%	50 - 136	12	48	10B0181	NTA1891-02R E1	02/01/10 22:41
Carbon Tetrachloride	ND	3.22		mg/kg	2.38	136%	30 - 159	1	44	10B0181	NTA1891-02R E1	02/01/10 22:41
Chlorobenzene	ND	2.84		mg/kg	2.38	120%	25 - 151	3	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Chlorodibromomethane	ND	2.77		mg/kg	2.38	117%	27 - 150	0.5	48	10B0181	NTA1891-02R E1	02/01/10 22:41
Chloroethane	ND	2.57		mg/kg	2.38	108%	15 - 197	5	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Chloroform	0.0547	2.77	B	mg/kg	2.38	114%	33 - 148	0.7	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Chloromethane	ND	1.37		mg/kg	2.38	58%	10 - 166	2	44	10B0181	NTA1891-02R E1	02/01/10 22:41
Cyclohexane	ND	3.11		mg/kg	2.38	131%	26 - 165	2	40	10B0181	NTA1891-02R E1	02/01/10 22:41
1,2-Dibromo-3-chloropropane	ND	1.95		mg/kg	2.38	82%	10 - 167	9	45	10B0181	NTA1891-02R E1	02/01/10 22:41
1,2-Dibromoethane (EDB)	ND	2.92		mg/kg	2.38	123%	30 - 155	3	45	10B0181	NTA1891-02R E1	02/01/10 22:41
Methylcyclohexane	ND	3.17		mg/kg	2.38	134%	11 - 151	2	27	10B0181	NTA1891-02R E1	02/01/10 22:41
1,2-Dichlorobenzene	ND	2.73		mg/kg	2.38	115%	10 - 168	2	50	10B0181	NTA1891-02R E1	02/01/10 22:41
1,3-Dichlorobenzene	ND	2.81		mg/kg	2.38	118%	10 - 173	2	50	10B0181	NTA1891-02R E1	02/01/10 22:41
1,4-Dichlorobenzene	ND	2.77		mg/kg	2.38	117%	10 - 170	3	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Dichlorodifluoromethane	ND	1.64		mg/kg	2.38	69%	10 - 188	1	50	10B0181	NTA1891-02R E1	02/01/10 22:41
1,2-Dichloroethane	ND	2.74		mg/kg	2.38	115%	32 - 155	0.3	50	10B0181	NTA1891-02R E1	02/01/10 22:41
1,1-Dichloroethane	ND	2.85		mg/kg	2.38	120%	51 - 135	2	50	10B0181	NTA1891-02R E1	02/01/10 22:41
1,1-Dichloroethene	ND	3.07		mg/kg	2.38	129%	46 - 141	12	50	10B0181	NTA1891-02R E1	02/01/10 22:41
trans-1,2-Dichloroethene	ND	2.99		mg/kg	2.38	126%	41 - 146	5	40	10B0181	NTA1891-02R E1	02/01/10 22:41
1,1,2-Trifluorotrichloroethane	ND	3.15		mg/kg	2.38	133%	30 - 169	1	46	10B0181	NTA1891-02R E1	02/01/10 22:41
cis-1,2-Dichloroethene	ND	3.08		mg/kg	2.38	130%	32 - 150	1	50	10B0181	NTA1891-02R E1	02/01/10 22:41
1,2-Dichloropropane	ND	2.59		mg/kg	2.38	109%	34 - 139	1	50	10B0181	NTA1891-02R E1	02/01/10 22:41
trans-1,3-Dichloropropene	ND	2.60		mg/kg	2.38	110%	24 - 151	0.1	48	10B0181	NTA1891-02R E1	02/01/10 22:41
cis-1,3-Dichloropropene	ND	2.57		mg/kg	2.38	108%	23 - 152	1	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Ethylbenzene	ND	3.01		mg/kg	2.38	127%	21 - 165	5	50	10B0181	NTA1891-02R E1	02/01/10 22:41

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike Dup - Cont.**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10B0181-MSD1</b>												
2-Hexanone	ND	13.0		mg/kg	11.9	109%	13 - 174	1	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Isopropylbenzene	ND	3.14		mg/kg	2.38	132%	20 - 139	4	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Methyl Acetate	0.186	0.410	M8	mg/kg	2.38	9%	10 - 200	187	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Methyl tert-Butyl Ether	ND	3.05		mg/kg	2.38	128%	34 - 154	3	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Methylene Chloride	ND	2.65		mg/kg	2.38	112%	36 - 163	0.3	50	10B0181	NTA1891-02R E1	02/01/10 22:41
4-Methyl-2-pentanone	ND	13.4		mg/kg	11.9	113%	19 - 176	0.4	45	10B0181	NTA1891-02R E1	02/01/10 22:41
Styrene	ND	3.08		mg/kg	2.38	130%	10 - 177	5	50	10B0181	NTA1891-02R E1	02/01/10 22:41
1,1,2,2-Tetrachloroethane	ND	0.0708	M8	mg/kg	2.38	3%	27 - 163	160	45	10B0181	NTA1891-02R E1	02/01/10 22:41
Tetrachloroethene	ND	3.23		mg/kg	2.38	136%	33 - 155	2	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Toluene	ND	2.89		mg/kg	2.38	121%	45 - 145	3	50	10B0181	NTA1891-02R E1	02/01/10 22:41
1,2,4-Trichlorobenzene	ND	2.84		mg/kg	2.38	119%	10 - 175	9	50	10B0181	NTA1891-02R E1	02/01/10 22:41
1,2,3-Trichlorobenzene	ND	2.61		mg/kg	2.38	110%	10 - 182	5	50	10B0181	NTA1891-02R E1	02/01/10 22:41
1,1,1-Trichloroethane	ND	3.02		mg/kg	2.38	127%	39 - 148	2	41	10B0181	NTA1891-02R E1	02/01/10 22:41
1,1,2-Trichloroethane	ND	2.40		mg/kg	2.38	101%	43 - 145	13	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Trichloroethene	ND	5.51	M7	mg/kg	2.38	232%	39 - 150	15	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Trichlorofluoromethane	ND	2.54		mg/kg	2.38	107%	25 - 174	0.2	47	10B0181	NTA1891-02R E1	02/01/10 22:41
Vinyl chloride	ND	2.32		mg/kg	2.38	98%	32 - 163	1	39	10B0181	NTA1891-02R E1	02/01/10 22:41
Xylenes, total	ND	9.11		mg/kg	7.13	128%	31 - 159	5	50	10B0181	NTA1891-02R E1	02/01/10 22:41
Surrogate: 1,2-Dichloroethane-d4		50.9		ug/kg	50.0	102%	67 - 138			10B0181	NTA1891-02R E1	02/01/10 22:41
Surrogate: Dibromofluoromethane		44.9		ug/kg	50.0	90%	75 - 125			10B0181	NTA1891-02R E1	02/01/10 22:41
Surrogate: Toluene-d8		50.4		ug/kg	50.0	101%	76 - 129			10B0181	NTA1891-02R E1	02/01/10 22:41
Surrogate: 4-Bromofluorobenzene		49.0		ug/kg	50.0	98%	67 - 147			10B0181	NTA1891-02R E1	02/01/10 22:41
<b>10B0276-MSD1</b>												
Acetone	ND	18.3		mg/kg	12.9	141%	29 - 181	6	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Benzene	ND	2.35		mg/kg	2.59	91%	42 - 141	2	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Bromochloromethane	ND	2.43		mg/kg	2.59	94%	41 - 146	1	50	10B0276	NTA1891-12R E1	02/02/10 20:27

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike Dup - Cont.**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10B0276-MSD1</b>												
Bromodichloromethane	ND	2.16		mg/kg	2.59	83%	32 - 155	2	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Bromoform	ND	2.17		mg/kg	2.59	84%	10 - 155	1	43	10B0276	NTA1891-12R E1	02/02/10 20:27
Bromomethane	ND	1.51		mg/kg	2.59	58%	10 - 199	5	46	10B0276	NTA1891-12R E1	02/02/10 20:27
2-Butanone	ND	14.0		mg/kg	12.9	108%	38 - 161	3	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Carbon disulfide	0.0419	2.38		mg/kg	2.59	90%	50 - 136	0.4	48	10B0276	NTA1891-12R E1	02/02/10 20:27
Carbon Tetrachloride	ND	2.31		mg/kg	2.59	89%	30 - 159	3	44	10B0276	NTA1891-12R E1	02/02/10 20:27
Chlorobenzene	ND	2.82		mg/kg	2.59	109%	25 - 151	2	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Chlorodibromomethane	ND	2.59		mg/kg	2.59	100%	27 - 150	5	48	10B0276	NTA1891-12R E1	02/02/10 20:27
Chloroethane	ND	0.677		mg/kg	2.59	26%	15 - 197	9	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Chloroform	0.103	2.35		mg/kg	2.59	87%	33 - 148	4	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Chloromethane	ND	2.89		mg/kg	2.59	111%	10 - 166	3	44	10B0276	NTA1891-12R E1	02/02/10 20:27
Cyclohexane	0.0223	2.37		mg/kg	2.59	91%	26 - 165	0	40	10B0276	NTA1891-12R E1	02/02/10 20:27
1,2-Dibromo-3-chloropropane	ND	2.00		mg/kg	2.59	77%	10 - 167	0.8	45	10B0276	NTA1891-12R E1	02/02/10 20:27
1,2-Dibromoethane (EDB)	ND	2.92		mg/kg	2.59	113%	30 - 155	0.3	45	10B0276	NTA1891-12R E1	02/02/10 20:27
Methylcyclohexane	ND	2.54		mg/kg	2.59	98%	11 - 151	3	27	10B0276	NTA1891-12R E1	02/02/10 20:27
1,2-Dichlorobenzene	ND	2.71		mg/kg	2.59	105%	10 - 168	4	50	10B0276	NTA1891-12R E1	02/02/10 20:27
1,3-Dichlorobenzene	ND	2.74		mg/kg	2.59	106%	10 - 173	4	50	10B0276	NTA1891-12R E1	02/02/10 20:27
1,4-Dichlorobenzene	ND	2.61		mg/kg	2.59	101%	10 - 170	5	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Dichlorodifluoromethane	ND	2.95		mg/kg	2.59	114%	10 - 188	1	50	10B0276	NTA1891-12R E1	02/02/10 20:27
1,2-Dichloroethane	ND	2.32		mg/kg	2.59	90%	32 - 155	4	50	10B0276	NTA1891-12R E1	02/02/10 20:27
1,1-Dichloroethane	ND	2.29		mg/kg	2.59	89%	51 - 135	3	50	10B0276	NTA1891-12R E1	02/02/10 20:27
1,1-Dichloroethene	ND	2.49		mg/kg	2.59	96%	46 - 141	0.5	50	10B0276	NTA1891-12R E1	02/02/10 20:27
trans-1,2-Dichloroethene	ND	2.41		mg/kg	2.59	93%	41 - 146	1	40	10B0276	NTA1891-12R E1	02/02/10 20:27
1,1,2-Trifluorotrichloroethane	ND	2.65		mg/kg	2.59	102%	30 - 169	3	46	10B0276	NTA1891-12R E1	02/02/10 20:27
cis-1,2-Dichloroethene	ND	2.42		mg/kg	2.59	94%	32 - 150	1	50	10B0276	NTA1891-12R E1	02/02/10 20:27
1,2-Dichloropropane	ND	2.18		mg/kg	2.59	84%	34 - 139	2	50	10B0276	NTA1891-12R E1	02/02/10 20:27



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10B0276-MSD1</b>												
trans-1,3-Dichloropropene	ND	2.36		mg/kg	2.59	91%	24 - 151	0.7	48	10B0276	NTA1891-12R E1	02/02/10 20:27
cis-1,3-Dichloropropene	ND	2.63		mg/kg	2.59	102%	23 - 152	8	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Ethylbenzene	ND	3.11		mg/kg	2.59	120%	21 - 165	3	50	10B0276	NTA1891-12R E1	02/02/10 20:27
2-Hexanone	ND	14.1		mg/kg	12.9	109%	13 - 174	2	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Isopropylbenzene	ND	2.96		mg/kg	2.59	114%	20 - 139	4	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Methyl Acetate	ND	8.38	M7	mg/kg	2.59	324%	10 - 200	7	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Methyl tert-Butyl Ether	ND	2.33		mg/kg	2.59	90%	34 - 154	0.6	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Methylene Chloride	ND	2.51		mg/kg	2.59	97%	36 - 163	3	50	10B0276	NTA1891-12R E1	02/02/10 20:27
4-Methyl-2-pentanone	ND	14.3		mg/kg	12.9	110%	19 - 176	1	45	10B0276	NTA1891-12R E1	02/02/10 20:27
Styrene	ND	3.06		mg/kg	2.59	118%	10 - 177	3	50	10B0276	NTA1891-12R E1	02/02/10 20:27
1,1,2,2-Tetrachloroethane	ND	2.43		mg/kg	2.59	94%	27 - 163	1	45	10B0276	NTA1891-12R E1	02/02/10 20:27
Tetrachloroethene	ND	2.95		mg/kg	2.59	114%	33 - 155	2	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Toluene	ND	2.99		mg/kg	2.59	116%	45 - 145	1	50	10B0276	NTA1891-12R E1	02/02/10 20:27
1,2,4-Trichlorobenzene	ND	3.08		mg/kg	2.59	119%	10 - 175	8	50	10B0276	NTA1891-12R E1	02/02/10 20:27
1,2,3-Trichlorobenzene	ND	3.01		mg/kg	2.59	116%	10 - 182	7	50	10B0276	NTA1891-12R E1	02/02/10 20:27
1,1,1-Trichloroethane	ND	2.32		mg/kg	2.59	90%	39 - 148	2	41	10B0276	NTA1891-12R E1	02/02/10 20:27
1,1,2-Trichloroethane	ND	2.73		mg/kg	2.59	106%	43 - 145	3	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Trichloroethene	ND	2.44		mg/kg	2.59	94%	39 - 150	0.8	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Trichlorofluoromethane	ND	1.19		mg/kg	2.59	46%	25 - 174	13	47	10B0276	NTA1891-12R E1	02/02/10 20:27
Vinyl chloride	ND	2.88		mg/kg	2.59	111%	32 - 163	6	39	10B0276	NTA1891-12R E1	02/02/10 20:27
Xylenes, total	ND	9.41		mg/kg	7.76	121%	31 - 159	2	50	10B0276	NTA1891-12R E1	02/02/10 20:27
Surrogate: 1,2-Dichloroethane-d4		46.1		ug/kg	50.0	92%	67 - 138			10B0276	NTA1891-12R E1	02/02/10 20:27
Surrogate: Dibromofluoromethane		44.8		ug/kg	50.0	90%	75 - 125			10B0276	NTA1891-12R E1	02/02/10 20:27
Surrogate: Toluene-d8		56.8		ug/kg	50.0	114%	76 - 129			10B0276	NTA1891-12R E1	02/02/10 20:27
Surrogate: 4-Bromofluorobenzene		48.2		ug/kg	50.0	96%	67 - 147			10B0276	NTA1891-12R E1	02/02/10 20:27

### 10B0358-MSD1

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## PROJECT QUALITY CONTROL DATA

### Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10B0358-MSD1</b>												
Acetone	ND	270		ug/L	250	108%	56 - 150	4	31	10B0358	NTA1619-01	02/01/10 21:16
Benzene	ND	51.0		ug/L	50.0	102%	65 - 151	5	12	10B0358	NTA1619-01	02/01/10 21:16
Bromochloromethane	ND	54.2		ug/L	50.0	108%	64 - 154	4	32	10B0358	NTA1619-01	02/01/10 21:16
Bromodichloromethane	ND	54.2		ug/L	50.0	108%	75 - 138	8	13	10B0358	NTA1619-01	02/01/10 21:16
Bromoform	ND	44.0		ug/L	50.0	88%	55 - 153	5	18	10B0358	NTA1619-01	02/01/10 21:16
Bromomethane	ND	44.2		ug/L	50.0	88%	13 - 176	7	50	10B0358	NTA1619-01	02/01/10 21:16
2-Butanone	ND	263		ug/L	250	105%	45 - 164	0.6	37	10B0358	NTA1619-01	02/01/10 21:16
tert-Butylbenzene	ND	47.4		ug/L	50.0	95%	73 - 153	5	20	10B0358	NTA1619-01	02/01/10 21:16
n-Butylbenzene	ND	47.6		ug/L	50.0	95%	67 - 151	5	11	10B0358	NTA1619-01	02/01/10 21:16
sec-Butylbenzene	ND	47.9		ug/L	50.0	96%	68 - 159	5	21	10B0358	NTA1619-01	02/01/10 21:16
Carbon disulfide	ND	56.8		ug/L	50.0	114%	33 - 187	15	28	10B0358	NTA1619-01	02/01/10 21:16
Carbon Tetrachloride	ND	56.9		ug/L	50.0	114%	64 - 157	6	26	10B0358	NTA1619-01	02/01/10 21:16
Chlorobenzene	ND	47.6		ug/L	50.0	95%	78 - 136	3	11	10B0358	NTA1619-01	02/01/10 21:16
Chlorodibromomethane	ND	45.4		ug/L	50.0	91%	64 - 145	6	16	10B0358	NTA1619-01	02/01/10 21:16
Chloroethane	ND	44.0		ug/L	50.0	88%	48 - 159	6	35	10B0358	NTA1619-01	02/01/10 21:16
Chloroform	ND	51.3		ug/L	50.0	103%	72 - 145	5	32	10B0358	NTA1619-01	02/01/10 21:16
Chloromethane	ND	38.8		ug/L	50.0	78%	10 - 194	8	34	10B0358	NTA1619-01	02/01/10 21:16
Cyclohexane	ND	51.6		ug/L	50.0	103%	58 - 151	4	13	10B0358	NTA1619-01	02/01/10 21:16
1,2-Dibromo-3-chloropropane	ND	43.1		ug/L	50.0	86%	49 - 162	1	21	10B0358	NTA1619-01	02/01/10 21:16
1,2-Dibromoethane (EDB)	ND	51.5		ug/L	50.0	103%	70 - 152	4	10	10B0358	NTA1619-01	02/01/10 21:16
Methylcyclohexane	ND	50.3		ug/L	50.0	101%	60 - 156	9	13	10B0358	NTA1619-01	02/01/10 21:16
1,2-Dichlorobenzene	ND	47.4		ug/L	50.0	95%	80 - 136	4	11	10B0358	NTA1619-01	02/01/10 21:16
1,3-Dichlorobenzene	ND	47.5		ug/L	50.0	95%	72 - 146	5	18	10B0358	NTA1619-01	02/01/10 21:16
1,4-Dichlorobenzene	0.310	46.2		ug/L	50.0	92%	75 - 135	4	10	10B0358	NTA1619-01	02/01/10 21:16
Dichlorodifluoromethane	1.00	33.9		ug/L	50.0	66%	23 - 159	5	32	10B0358	NTA1619-01	02/01/10 21:16
1,2-Dichloroethane	ND	51.3		ug/L	50.0	103%	72 - 137	5	25	10B0358	NTA1619-01	02/01/10 21:16
1,1-Dichloroethane	1.16	51.6		ug/L	50.0	101%	64 - 154	10	34	10B0358	NTA1619-01	02/01/10 21:16
1,1-Dichloroethene	ND	51.8		ug/L	50.0	104%	34 - 151	6	31	10B0358	NTA1619-01	02/01/10 21:16
trans-1,2-Dichloroethene	ND	55.0		ug/L	50.0	110%	57 - 157	10	32	10B0358	NTA1619-01	02/01/10 21:16
1,1,2-Trifluoro-trichloroethane	ND	53.2		ug/L	50.0	106%	73 - 136	2	17	10B0358	NTA1619-01	02/01/10 21:16
cis-1,2-Dichloroethene	ND	52.2		ug/L	50.0	104%	57 - 154	6	32	10B0358	NTA1619-01	02/01/10 21:16
1,2-Dichloropropane	ND	48.9		ug/L	50.0	98%	71 - 139	9	11	10B0358	NTA1619-01	02/01/10 21:16
trans-1,3-Dichloropropene	ND	50.0		ug/L	50.0	100%	47 - 157	4	26	10B0358	NTA1619-01	02/01/10 21:16
cis-1,3-Dichloropropene	ND	48.6		ug/L	50.0	97%	56 - 156	6	35	10B0358	NTA1619-01	02/01/10 21:16
Ethylbenzene	ND	48.4		ug/L	50.0	97%	68 - 157	5	12	10B0358	NTA1619-01	02/01/10 21:16
2-Hexanone	ND	263		ug/L	250	105%	57 - 154	2	20	10B0358	NTA1619-01	02/01/10 21:16
Isopropylbenzene	ND	49.8		ug/L	50.0	100%	69 - 139	5	15	10B0358	NTA1619-01	02/01/10 21:16
p-Isopropyltoluene	ND	46.5		ug/L	50.0	93%	69 - 151	5	18	10B0358	NTA1619-01	02/01/10 21:16
Methyl Acetate	ND	88.4	M7	ug/L	50.0	177%	16 - 140	11	40	10B0358	NTA1619-01	02/01/10 21:16
Methyl tert-Butyl Ether	ND	52.6		ug/L	50.0	105%	56 - 152	8	32	10B0358	NTA1619-01	02/01/10 21:16
Methylene Chloride	ND	53.9		ug/L	50.0	108%	71 - 136	9	36	10B0358	NTA1619-01	02/01/10 21:16

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### Matrix Spike Dup - Cont.

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<b>Volatile Organic Compounds by EPA Method 8260B</b>												
<b>10B0358-MSD1</b>												
4-Methyl-2-pentanone	ND	248		ug/L	250	99%	62 - 159	3	35	10B0358	NTA1619-01	02/01/10 21:16
Naphthalene	ND	49.1		ug/L	50.0	98%	56 - 161	4	30	10B0358	NTA1619-01	02/01/10 21:16
n-Propylbenzene	ND	47.0		ug/L	50.0	94%	61 - 167	6	23	10B0358	NTA1619-01	02/01/10 21:16
Styrene	ND	51.2		ug/L	50.0	102%	69 - 150	4	29	10B0358	NTA1619-01	02/01/10 21:16
1,1,2,2-Tetrachloroethane	ND	50.1		ug/L	50.0	100%	76 - 141	3	28	10B0358	NTA1619-01	02/01/10 21:16
Tetrachloroethene	ND	47.6		ug/L	50.0	95%	63 - 155	4	16	10B0358	NTA1619-01	02/01/10 21:16
Toluene	ND	47.7		ug/L	50.0	95%	61 - 153	4	35	10B0358	NTA1619-01	02/01/10 21:16
1,2,4-Trichlorobenzene	ND	48.3		ug/L	50.0	97%	64 - 147	4	23	10B0358	NTA1619-01	02/01/10 21:16
1,2,3-Trichlorobenzene	ND	49.0		ug/L	50.0	98%	57 - 155	3	28	10B0358	NTA1619-01	02/01/10 21:16
1,1,1-Trichloroethane	ND	52.3		ug/L	50.0	105%	78 - 153	6	29	10B0358	NTA1619-01	02/01/10 21:16
1,1,2-Trichloroethane	ND	48.6		ug/L	50.0	97%	74 - 138	3	21	10B0358	NTA1619-01	02/01/10 21:16
Trichloroethene	ND	50.1		ug/L	50.0	100%	74 - 139	7	11	10B0358	NTA1619-01	02/01/10 21:16
Trichlorofluoromethane	0.520	46.0		ug/L	50.0	91%	53 - 149	4	33	10B0358	NTA1619-01	02/01/10 21:16
1,3,5-Trimethylbenzene	ND	47.6		ug/L	50.0	95%	67 - 151	5	21	10B0358	NTA1619-01	02/01/10 21:16
1,2,4-Trimethylbenzene	ND	48.3		ug/L	50.0	97%	69 - 150	4	20	10B0358	NTA1619-01	02/01/10 21:16
Vinyl chloride	ND	44.3		ug/L	50.0	89%	53 - 137	7	32	10B0358	NTA1619-01	02/01/10 21:16
o-Xylene	ND	49.1		ug/L	50.0	98%	62 - 167	5	27	10B0358	NTA1619-01	02/01/10 21:16
m,p-Xylene	ND	98.2		ug/L	100	98%	69 - 155	5	16	10B0358	NTA1619-01	02/01/10 21:16
Xylenes, total	ND	147		ug/L	150	98%	68 - 158	5	18	10B0358	NTA1619-01	02/01/10 21:16
Surrogate: 1,2-Dichloroethane-d4		24.8		ug/L	25.0	99%	63 - 140			10B0358	NTA1619-01	02/01/10 21:16
Surrogate: Dibromofluoromethane		25.7		ug/L	25.0	103%	73 - 131			10B0358	NTA1619-01	02/01/10 21:16
Surrogate: Toluene-d8		23.8		ug/L	25.0	95%	80 - 120			10B0358	NTA1619-01	02/01/10 21:16
Surrogate: 4-Bromofluorobenzene		24.6		ug/L	25.0	98%	79 - 125			10B0358	NTA1619-01	02/01/10 21:16

## Semivolatile Organic Compounds by EPA Method 8270C

### 10A3612-MSD1

Acenaphthene	ND	0.749		mg/kg	1.66	45%	42 - 120	8	40	10A3612	NTA1891-03	01/31/10 17:50
Acenaphthylene	ND	0.787		mg/kg	1.66	47%	32 - 120	4	30	10A3612	NTA1891-03	01/31/10 17:50
Acetophenone	ND	0.821		mg/kg	1.66	49%	10 - 200	13	50	10A3612	NTA1891-03	01/31/10 17:50
Anthracene	ND	0.914		mg/kg	1.66	55%	10 - 200	3	50	10A3612	NTA1891-03	01/31/10 17:50
Benzo (a) anthracene	ND	0.885		mg/kg	1.66	53%	41 - 120	1	30	10A3612	NTA1891-03	01/31/10 17:50
Benzo (b) fluoranthene	ND	0.794		mg/kg	1.66	48%	26 - 137	11	42	10A3612	NTA1891-03	01/31/10 17:50
Benzo (a) pyrene	ND	0.878		mg/kg	1.66	53%	33 - 121	4	33	10A3612	NTA1891-03	01/31/10 17:50
Benzo (g,h,i) perylene	ND	0.864		mg/kg	1.66	52%	21 - 124	2	32	10A3612	NTA1891-03	01/31/10 17:50
Benzo (k) fluoranthene	ND	0.961		mg/kg	1.66	58%	14 - 140	16	39	10A3612	NTA1891-03	01/31/10 17:50
4-Bromophenyl phenyl ether	ND	0.719		mg/kg	1.66	43%	39 - 120	7	31	10A3612	NTA1891-03	01/31/10 17:50
Butyl benzyl phthalate	ND	0.896		mg/kg	1.66	54%	47 - 124	6	37	10A3612	NTA1891-03	01/31/10 17:50
4-Chloro-3-methylphenol	ND	0.512	M8	mg/kg	1.66	31%	38 - 120	9	34	10A3612	NTA1891-03	01/31/10 17:50
4-Chloroaniline	ND	1.05		mg/kg	1.66	63%	20 - 120	7	43	10A3612	NTA1891-03	01/31/10 17:50
Carbazole	ND	0.951		mg/kg	1.66	57%	37 - 120	7	29	10A3612	NTA1891-03	01/31/10 17:50
2-Chloronaphthalene	ND	0.706		mg/kg	1.66	42%	39 - 120	0.3	34	10A3612	NTA1891-03	01/31/10 17:50

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## PROJECT QUALITY CONTROL DATA

### Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
<b>Semivolatile Organic Compounds by EPA Method 8270C</b>												
<b>10A3612-MSD1</b>												
Bis(2-chloroethoxy)methane	ND	0.946		mg/kg	1.66	57%	32 - 120	15	41	10A3612	NTA1891-03	01/31/10 17:50
Bis(2-chloroethyl)ether	ND	1.03		mg/kg	1.66	62%	25 - 120	15	41	10A3612	NTA1891-03	01/31/10 17:50
Bis(2-chloroisopropyl)ether	ND	0.928		mg/kg	1.66	56%	23 - 120	18	50	10A3612	NTA1891-03	01/31/10 17:50
2-Chlorophenol	ND	<0.109	M8	mg/kg	1.66	0%	28 - 120		45	10A3612	NTA1891-03	01/31/10 17:50
4-Chlorophenyl phenyl ether	ND	0.788		mg/kg	1.66	47%	43 - 120	10	31	10A3612	NTA1891-03	01/31/10 17:50
Chrysene	ND	0.899		mg/kg	1.66	54%	28 - 123	3	34	10A3612	NTA1891-03	01/31/10 17:50
Dibenz (a,h) anthracene	ND	0.953		mg/kg	1.66	57%	25 - 127	1	31	10A3612	NTA1891-03	01/31/10 17:50
Dibenzofuran	ND	0.816		mg/kg	1.66	49%	40 - 120	7	39	10A3612	NTA1891-03	01/31/10 17:50
Di-n-butyl phthalate	ND	0.896		mg/kg	1.66	54%	32 - 124	6	29	10A3612	NTA1891-03	01/31/10 17:50
3,3-Dichlorobenzidine	ND	0.833		mg/kg	1.66	50%	13 - 120	8	35	10A3612	NTA1891-03	01/31/10 17:50
2,4-Dichlorophenol	ND	<0.0867	M8	mg/kg	1.66	0%	33 - 120		35	10A3612	NTA1891-03	01/31/10 17:50
Diethyl phthalate	ND	0.838		mg/kg	1.66	50%	34 - 120	17	33	10A3612	NTA1891-03	01/31/10 17:50
2,4-Dimethylphenol	ND	1.17		mg/kg	1.66	70%	29 - 120	10	50	10A3612	NTA1891-03	01/31/10 17:50
Dimethyl phthalate	ND	0.822		mg/kg	1.66	49%	43 - 120	23	31	10A3612	NTA1891-03	01/31/10 17:50
4,6-Dinitro-2-methylphenol	ND	<0.115	M8	mg/kg	1.66	0%	10 - 134		50	10A3612	NTA1891-03	01/31/10 17:50
2,4-Dinitrophenol	ND	0.238		mg/kg	1.66	14%	10 - 145	0.8	50	10A3612	NTA1891-03	01/31/10 17:50
2,6-Dinitrotoluene	ND	1.07		mg/kg	1.66	64%	43 - 120	7	34	10A3612	NTA1891-03	01/31/10 17:50
2,4-Dinitrotoluene	ND	1.07		mg/kg	1.66	64%	42 - 122	7	31	10A3612	NTA1891-03	01/31/10 17:50
Di-n-octyl phthalate	ND	1.04		mg/kg	1.66	63%	34 - 135	4	31	10A3612	NTA1891-03	01/31/10 17:50
Bis(2-ethylhexyl)phthalate	ND	0.951		mg/kg	1.66	57%	40 - 127	4	32	10A3612	NTA1891-03	01/31/10 17:50
Fluoranthene	ND	0.868		mg/kg	1.66	52%	38 - 120	4	35	10A3612	NTA1891-03	01/31/10 17:50
Fluorene	ND	0.801		mg/kg	1.66	48%	41 - 120	7	37	10A3612	NTA1891-03	01/31/10 17:50
Hexachlorobenzene	ND	0.834		mg/kg	1.66	50%	44 - 120	3	28	10A3612	NTA1891-03	01/31/10 17:50
Hexachlorobutadiene	ND	0.536		mg/kg	1.66	32%	17 - 120	6	50	10A3612	NTA1891-03	01/31/10 17:50
Hexachlorocyclopentadiene	ND	0.235		mg/kg	1.66	14%	10 - 120	18	50	10A3612	NTA1891-03	01/31/10 17:50
Hexachloroethane	ND	0.473		mg/kg	1.66	28%	10 - 120	22	50	10A3612	NTA1891-03	01/31/10 17:50
Indeno (1,2,3-cd) pyrene	ND	0.914		mg/kg	1.66	55%	25 - 123	1	32	10A3612	NTA1891-03	01/31/10 17:50
Isophorone	ND	1.10		mg/kg	1.66	66%	32 - 120	14	36	10A3612	NTA1891-03	01/31/10 17:50
2-Methylnaphthalene	ND	0.661		mg/kg	1.66	40%	11 - 120	8	50	10A3612	NTA1891-03	01/31/10 17:50
2-Methylphenol	ND	0.748		mg/kg	1.66	45%	41 - 120	5	41	10A3612	NTA1891-03	01/31/10 17:50
3/4-Methylphenol	ND	0.555	M8	mg/kg	1.66	33%	36 - 127	9	39	10A3612	NTA1891-03	01/31/10 17:50
Naphthalene	ND	0.641		mg/kg	1.66	39%	25 - 120	10	42	10A3612	NTA1891-03	01/31/10 17:50
2-Nitroaniline	ND	1.19		mg/kg	1.66	71%	46 - 120	5	28	10A3612	NTA1891-03	01/31/10 17:50
3-Nitroaniline	ND	1.23		mg/kg	1.66	74%	36 - 120	10	35	10A3612	NTA1891-03	01/31/10 17:50
4-Nitroaniline	ND	1.27		mg/kg	1.66	76%	35 - 121	14	36	10A3612	NTA1891-03	01/31/10 17:50
Nitrobenzene	ND	1.02		mg/kg	1.66	61%	26 - 120	11	44	10A3612	NTA1891-03	01/31/10 17:50
2-Nitrophenol	ND	<0.196	M8	mg/kg	1.66	0%	26 - 120		43	10A3612	NTA1891-03	01/31/10 17:50
4-Nitrophenol	ND	<0.275	M8	mg/kg	1.66	0%	19 - 136		47	10A3612	NTA1891-03	01/31/10 17:50
N-Nitrosodiphenylamine	ND	0.954		mg/kg	1.66	57%	43 - 120	4	30	10A3612	NTA1891-03	01/31/10 17:50
N-Nitrosodi-n-propylamine	ND	1.18		mg/kg	1.66	71%	34 - 120	13	41	10A3612	NTA1891-03	01/31/10 17:50
Pentachlorophenol	ND	0.131	M8	mg/kg	1.66	8%	15 - 135	3	32	10A3612	NTA1891-03	01/31/10 17:50

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<b>Semivolatile Organic Compounds by EPA Method 8270C</b>												
<b>10A3612-MSD1</b>												
Phenanthrene	ND	0.806		mg/kg	1.66	49%	37 - 120	5	32	10A3612	NTA1891-03	01/31/10 17:50
Phenol	ND	0.174	M8	mg/kg	1.66	10%	38 - 120	12	42	10A3612	NTA1891-03	01/31/10 17:50
Pyrene	ND	0.908		mg/kg	1.66	55%	29 - 125	6	40	10A3612	NTA1891-03	01/31/10 17:50
2,4,5-Trichlorophenol	ND	<0.0728	M8	mg/kg	1.66	0%	39 - 120		33	10A3612	NTA1891-03	01/31/10 17:50
2,4,6-Trichlorophenol	ND	<0.0867	M8	mg/kg	1.66	0%	32 - 120		34	10A3612	NTA1891-03	01/31/10 17:50
Surrogate: Phenol-d5		0.159	ZX	mg/kg	1.66	10%	18 - 120			10A3612	NTA1891-03	01/31/10 17:50
Surrogate: 2-Fluorobiphenyl		0.418		mg/kg	1.66	25%	14 - 120			10A3612	NTA1891-03	01/31/10 17:50
Surrogate: Nitrobenzene-d5		0.834		mg/kg	1.66	50%	17 - 120			10A3612	NTA1891-03	01/31/10 17:50
Surrogate: Terphenyl-d14		0.614		mg/kg	1.66	37%	18 - 120			10A3612	NTA1891-03	01/31/10 17:50
Surrogate: 2,4,6-Tribromophenol		0.0199	ZX	mg/kg	1.66	1%	19 - 120			10A3612	NTA1891-03	01/31/10 17:50



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Work Order:    NTA1891  
Project Name:    Liberty Fibers  
Project Number: [none]  
Received:        01/26/10 08:00

**CERTIFICATION SUMMARY**

**TestAmerica Nashville**

Method	Matrix	AIHA	Nelac	Tennessee
none	Soil			
none	Water			
SW846 6010B	Soil	N/A	X	N/A
SW846 6010B	Water	N/A	X	N/A
SW846 7470A	Water	N/A	X	N/A
SW846 7471A	Soil		X	
SW846 8082	Soil	N/A	X	N/A
SW846 8260B	Soil	N/A	X	N/A
SW846 8260B	Water	N/A	X	N/A
SW846 8270C	Soil	N/A	X	N/A
SW846 8270C	Water	N/A	X	N/A

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1891  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## DATA QUALIFIERS AND DEFINITIONS

<b>B</b>	Analyte was detected in the associated Method Blank.
<b>C8</b>	Calibration Verification recovery was above the method control limit for this analyte. A high bias may be indicated.
<b>E</b>	Concentration exceeds the calibration range and therefore result is semi-quantitative.
<b>L</b>	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
<b>L1</b>	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
<b>M4</b>	The MS/MSD required a dilution due to matrix interference. Because of this dilution, the matrix spike concentrations in the sample were reduced to a level where the recovery calculation does not provide useful information. See Blank Spike (LCS).
<b>M7</b>	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
<b>M8</b>	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
<b>MNR1</b>	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
<b>R</b>	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
<b>R2</b>	The RPD exceeded the acceptance limit.
<b>ZX</b>	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
<b>ND</b>	Not detected at the reporting limit (or method detection limit if shown)

## METHOD MODIFICATION NOTES



Cooler Received/Opened On 1/26/2010 @ 0800

1. Tracking # 3878 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97460373

2. Temperature of rep. sample or temp blank when opened: 2.0 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 (Front) 1 (back)

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) [Signature]

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) [Signature]

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) [Signature]

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) [Signature]

I certify that I attached a label with the unique LIMS number to each container (initial) [Signature]

21. Were there Non-Conformance issues at login? YES...NO...NA Was a PIPE generated? YES...NO...NA

Nashville  
2960 Foster Creighton Drive  
Nashville, TN 37204  
phone 615.726.0177 fax 615.726.3403

## Chain of Custody Record

**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

COC No: 1

1 of 2 COCs

Job No. 103DX90170003.0041.3002

SNQ No.

**NTA1891**

02/04/10 23:59

Sample Specific Notes:

Client Contact

Project Manager: Sandra Harrigan

Tetra Tech EM, Inc.

Tel/Fax: (678) 775-3088

1955 Evergreen Blvd, Bldg 200, Suite 300

Analysis Turnaround Time

Duluth, GA 30096

Calendar (C) or Work Days (W)

(678) 775-3080 Phone

FAT if different from Below

(678) 775-3138 FAX

☒ 2 weeks

Project Name: Liberty Fibers Site

☐ 1 week

Site: Morristown, TN

☐ 2 days

P O #

☐ 1 day

Site Contact: Paul Prys

Date: 1/25/10

Lab Contact: Cathy Gartner

Carrier: FedEx

Filtered Sample  
TCL VOCs  
TCL SVOCs  
TAL Metals  
TCL PCBs

Sample Specific Notes:

NTA1891-01

02

03

04

05

06

07

08

09

10

11

12

Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Possible Hazard Identification  
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

☐ Return To Client ☒ Disposal By Lab ☐ Archive For Months

Special Instructions/OC Requirements & Comments: E-mail results to Jessica Vickers at jessica.vickers@tetratech.com.

Relinquished by:

Company:

Date/Time:

Received by:

Company:

Date/Time:

Relinquished by:

Company:

Date/Time:

Received by:

Company:

Date/Time:

Relinquished by:

Company:

Date/Time:

Received by:

Company:

Date/Time:

TestAmerica Inc. 1/25/10 0000

## Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

**TestAmerica Laboratories, Inc.**

[illegible]



## COOLER RECEIPT FORM

Cooler Received/Opened On 1/26/2010 @ 0800

1. Tracking # 3801 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97460373

2. Temperature of rep. sample or temp blank when opened: 1.8 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 (Front)

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) [Signature]

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # [Signature]

I certify that I unloaded the cooler and answered questions 7-14 (initial) [Signature]

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) [Signature]

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) [Signature]

I certify that I attached a label with the unique LIMS number to each container (initial) [Signature]

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...# [Signature]

February 04, 2010 1:29:31PM

Client: Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn: Jessica Vickers

Work Order: NTA1902  
Project Name: Liberty Fibers  
Project Nbr: [none]  
P/O Nbr:  
Date Received: 01/26/10

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
LF-AS-001	NTA1902-01	01/19/10 09:34
LF-AS-002	NTA1902-02	01/19/10 10:13
LF-AS-003	NTA1902-03	01/19/10 10:19
LF-AS-004	NTA1902-04	01/19/10 10:26
LF-AS-005	NTA1902-05	01/19/10 10:28
LF-AS-006	NTA1902-06	01/19/10 10:41
LF-AS-007	NTA1902-07	01/19/10 10:43
LF-AS-008	NTA1902-08	01/19/10 10:48
LF-AS-009	NTA1902-09	01/19/10 10:55
LF-AS-010	NTA1902-10	01/19/10 11:00
LF-AS-011	NTA1902-11	01/19/10 11:03
LF-AS-012	NTA1902-12	01/19/10 11:12
LF-AS-013	NTA1902-13	01/19/10 11:19
LF-AS-014	NTA1902-14	01/19/10 11:27
LF-AS-015	NTA1902-15	01/19/10 11:28
LF-AS-016	NTA1902-16	01/19/10 11:35
LF-AS-017	NTA1902-17	01/19/10 11:40
LF-AS-018	NTA1902-18	01/19/10 11:41
LF-AS-019	NTA1902-19	01/19/10 11:43
LF-AS-020	NTA1902-20	01/19/10 14:06
LF-AS-021	NTA1902-21	01/19/10 14:15
LF-AS-022	NTA1902-22	01/19/10 14:17
LF-AS-023	NTA1902-23	01/19/10 14:25
LF-AS-024	NTA1902-24	01/19/10 14:35
LF-AS-025	NTA1902-25	01/19/10 14:42
LF-AS-026	NTA1902-26	01/19/10 14:47

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1902  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

LF-AS-027	NTA1902-27	01/19/10 14:50
LF-AS-028	NTA1902-28	01/19/10 14:57
LF-AS-029	NTA1902-29	01/19/10 15:01
LF-AS-030	NTA1902-30	01/19/10 15:07
LF-AS-031	NTA1902-31	01/19/10 15:10
LF-AS-032	NTA1902-32	01/19/10 15:17
LF-AS-033	NTA1902-33	01/19/10 15:21
LF-AS-034	NTA1902-34	01/19/10 15:36
LF-AS-035	NTA1902-35	01/19/10 15:39
LF-AS-036	NTA1902-36	01/19/10 15:43
LF-AS-037	NTA1902-37	01/19/10 15:50
LF-AS-038	NTA1902-38	01/19/10 16:05
LF-AS-039	NTA1902-39	01/19/10 16:11
LF-AS-040	NTA1902-40	01/19/10 16:21
LF-AS-041	NTA1902-41	01/19/10 16:24
LF-AS-042	NTA1902-42	01/20/10 10:45
LF-AS-043	NTA1902-43	01/20/10 10:46
LF-AS-044	NTA1902-44	01/20/10 11:00
LF-AS-045	NTA1902-45	01/20/10 14:23
LF-AS-046	NTA1902-46	01/20/10 14:25
LF-AS-047	NTA1902-47	01/20/10 14:26
LF-AS-048	NTA1902-48	01/20/10 14:30
LF-AS-049	NTA1902-49	01/20/10 14:33
LF-AS-050	NTA1902-50	01/20/10 14:37
LF-AS-051	NTA1902-51	01/20/10 14:42
LF-AS-052	NTA1902-52	01/20/10 14:45
LF-AS-053	NTA1902-53	01/20/10 15:04
LF-AS-054	NTA1902-54	01/20/10 15:06
LF-AS-055	NTA1902-55	01/20/10 15:07
LF-AS-056	NTA1902-56	01/20/10 15:08
LF-AS-057	NTA1902-57	01/20/10 15:10
LF-AS-058	NTA1902-58	01/20/10 15:33
LF-AS-059	NTA1902-59	01/20/10 15:36
LF-AS-060	NTA1902-60	01/20/10 15:40
LF-AS-061	NTA1902-61	01/20/10 16:13
LF-AS-062	NTA1902-62	01/20/10 16:19
LF-AS-063	NTA1902-63	01/20/10 16:21
LF-AS-064	NTA1902-64	01/20/10 16:26
LF-AS-065	NTA1902-65	01/20/10 16:29
LF-AS-066	NTA1902-66	01/20/10 16:31
LF-AS-067	NTA1902-67	01/20/10 16:36
LF-AS-068	NTA1902-68	01/20/10 16:39
LF-AS-069	NTA1902-69	01/20/10 16:41
LF-AS-070	NTA1902-70	01/20/10 16:47
LF-AS-071	NTA1902-71	01/22/10 08:52
LF-AS-072	NTA1902-72	01/22/10 09:12
LF-AS-073	NTA1902-73	01/22/10 09:16
LF-AS-074	NTA1902-74	01/22/10 09:22
LF-AS-075	NTA1902-75	01/22/10 09:23

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1902  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

LF-AS-076	NTA1902-76	01/22/10 09:34
LF-AS-077	NTA1902-77	01/22/10 09:38
LF-AS-078	NTA1902-78	01/22/10 09:48
LF-AS-079	NTA1902-79	01/22/10 09:51
LF-AS-080	NTA1902-80	01/22/10 10:00
LF-AS-081	NTA1902-81	01/22/10 10:06
LF-AS-082	NTA1902-82	01/22/10 10:22
LF-AS-083	NTA1902-83	01/22/10 10:30
LF-AS-084	NTA1902-84	01/22/10 10:32
LF-AS-085	NTA1902-85	01/22/10 10:34
LF-AS-086	NTA1902-86	01/22/10 10:50
LF-AS-087	NTA1902-87	01/22/10 11:02
LF-AS-088	NTA1902-88	01/22/10 11:10
LF-AS-089	NTA1902-89	01/22/10 11:12
LF-AS-090	NTA1902-90	01/22/10 11:13

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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Tennessee Certification Number: 02008

The Chain(s) of Custody, 31 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Cathy Gartner

Project Management

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1902  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
---------	--------	------	-------	-----	--------------------	-----------------------	--------	-------

**Sample ID: NTA1902-01 (LF-AS-001 - Soil) Sampled: 01/19/10 09:34**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-02 (LF-AS-002 - Soil) Sampled: 01/19/10 10:13**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-03 (LF-AS-003 - Soil) Sampled: 01/19/10 10:19**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-04 (LF-AS-004 - Soil) Sampled: 01/19/10 10:26**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-05 (LF-AS-005 - Soil) Sampled: 01/19/10 10:28**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-06 (LF-AS-006 - Soil) Sampled: 01/19/10 10:41**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-07 (LF-AS-007 - Soil) Sampled: 01/19/10 10:43**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-08 (LF-AS-008 - Soil) Sampled: 01/19/10 10:48**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-09 (LF-AS-009 - Soil) Sampled: 01/19/10 10:55**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-10 (LF-AS-010 - Soil) Sampled: 01/19/10 11:00**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-11 (LF-AS-011 - Soil) Sampled: 01/19/10 11:03**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-12 (LF-AS-012 - Soil) Sampled: 01/19/10 11:12**



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1902  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
---------	--------	------	-------	-----	--------------------	-----------------------	--------	-------

**Sample ID: NTA1902-12 (LF-AS-012 - Soil) - cont. Sampled: 01/19/10 11:12**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-13 (LF-AS-013 - Soil) Sampled: 01/19/10 11:19**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-14 (LF-AS-014 - Soil) Sampled: 01/19/10 11:27**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-15 (LF-AS-015 - Soil) Sampled: 01/19/10 11:28**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-16 (LF-AS-016 - Soil) Sampled: 01/19/10 11:35**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-17 (LF-AS-017 - Soil) Sampled: 01/19/10 11:40**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-18 (LF-AS-018 - Soil) Sampled: 01/19/10 11:41**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-19 (LF-AS-019 - Soil) Sampled: 01/19/10 11:43**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-20 (LF-AS-020 - Soil) Sampled: 01/19/10 14:06**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-21 (LF-AS-021 - Soil) Sampled: 01/19/10 14:15**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-22 (LF-AS-022 - Soil) Sampled: 01/19/10 14:17**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-23 (LF-AS-023 - Soil) Sampled: 01/19/10 14:25**

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1902  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
---------	--------	------	-------	-----	--------------------	-----------------------	--------	-------

**Sample ID: NTA1902-23 (LF-AS-023 - Soil) - cont. Sampled: 01/19/10 14:25**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-24 (LF-AS-024 - Soil) Sampled: 01/19/10 14:35**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-25 (LF-AS-025 - Soil) Sampled: 01/19/10 14:42**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-26 (LF-AS-026 - Soil) Sampled: 01/19/10 14:47**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-27 (LF-AS-027 - Soil) Sampled: 01/19/10 14:50**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-28 (LF-AS-028 - Soil) Sampled: 01/19/10 14:57**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-29 (LF-AS-029 - Soil) Sampled: 01/19/10 15:01**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-30 (LF-AS-030 - Soil) Sampled: 01/19/10 15:07**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-31 (LF-AS-031 - Soil) Sampled: 01/19/10 15:10**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-32 (LF-AS-032 - Soil) Sampled: 01/19/10 15:17**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-33 (LF-AS-033 - Soil) Sampled: 01/19/10 15:21**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-34 (LF-AS-034 - Soil) Sampled: 01/19/10 15:36**

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1902  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
---------	--------	------	-------	-----	--------------------	-----------------------	--------	-------

**Sample ID: NTA1902-34 (LF-AS-034 - Soil) - cont. Sampled: 01/19/10 15:36**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-35 (LF-AS-035 - Soil) Sampled: 01/19/10 15:39**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-36 (LF-AS-036 - Soil) Sampled: 01/19/10 15:43**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-37 (LF-AS-037 - Soil) Sampled: 01/19/10 15:50**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-38 (LF-AS-038 - Soil) Sampled: 01/19/10 16:05**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-39 (LF-AS-039 - Soil) Sampled: 01/19/10 16:11**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-40 (LF-AS-040 - Soil) Sampled: 01/19/10 16:21**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-41 (LF-AS-041 - Soil) Sampled: 01/19/10 16:24**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-42 (LF-AS-042 - Soil) Sampled: 01/20/10 10:45**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-43 (LF-AS-043 - Soil) Sampled: 01/20/10 10:46**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-44 (LF-AS-044 - Soil) Sampled: 01/20/10 11:00**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-45 (LF-AS-045 - Soil) Sampled: 01/20/10 14:23**

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1902  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
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**Sample ID: NTA1902-45 (LF-AS-045 - Soil) - cont. Sampled: 01/20/10 14:23**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-46 (LF-AS-046 - Soil) Sampled: 01/20/10 14:25**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-47 (LF-AS-047 - Soil) Sampled: 01/20/10 14:26**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-48 (LF-AS-048 - Soil) Sampled: 01/20/10 14:30**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-49 (LF-AS-049 - Soil) Sampled: 01/20/10 14:33**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-50 (LF-AS-050 - Soil) Sampled: 01/20/10 14:37**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-51 (LF-AS-051 - Soil) Sampled: 01/20/10 14:42**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-52 (LF-AS-052 - Soil) Sampled: 01/20/10 14:45**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-53 (LF-AS-053 - Soil) Sampled: 01/20/10 15:04**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-54 (LF-AS-054 - Soil) Sampled: 01/20/10 15:06**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-55 (LF-AS-055 - Soil) Sampled: 01/20/10 15:07**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-56 (LF-AS-056 - Soil) Sampled: 01/20/10 15:08**

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1902  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
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**Sample ID: NTA1902-56 (LF-AS-056 - Soil) - cont. Sampled: 01/20/10 15:08**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-57 (LF-AS-057 - Soil) Sampled: 01/20/10 15:10**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-58 (LF-AS-058 - Soil) Sampled: 01/20/10 15:33**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-59 (LF-AS-059 - Soil) Sampled: 01/20/10 15:36**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-60 (LF-AS-060 - Soil) Sampled: 01/20/10 15:40**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-61 (LF-AS-061 - Soil) Sampled: 01/20/10 16:13**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-62 (LF-AS-062 - Soil) Sampled: 01/20/10 16:19**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-63 (LF-AS-063 - Soil) Sampled: 01/20/10 16:21**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-64 (LF-AS-064 - Soil) Sampled: 01/20/10 16:26**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-65 (LF-AS-065 - Soil) Sampled: 01/20/10 16:29**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-66 (LF-AS-066 - Soil) Sampled: 01/20/10 16:31**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-67 (LF-AS-067 - Soil) Sampled: 01/20/10 16:36**



Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1902  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
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**Sample ID: NTA1902-67 (LF-AS-067 - Soil) - cont. Sampled: 01/20/10 16:36**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-68 (LF-AS-068 - Soil) Sampled: 01/20/10 16:39**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-69 (LF-AS-069 - Soil) Sampled: 01/20/10 16:41**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-70 (LF-AS-070 - Soil) Sampled: 01/20/10 16:47**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-71 (LF-AS-071 - Soil) Sampled: 01/22/10 08:52**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-72 (LF-AS-072 - Soil) Sampled: 01/22/10 09:12**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-73 (LF-AS-073 - Soil) Sampled: 01/22/10 09:16**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-74 (LF-AS-074 - Soil) Sampled: 01/22/10 09:22**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-75 (LF-AS-075 - Soil) Sampled: 01/22/10 09:23**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-76 (LF-AS-076 - Soil) Sampled: 01/22/10 09:34**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-77 (LF-AS-077 - Soil) Sampled: 01/22/10 09:38**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-78 (LF-AS-078 - Soil) Sampled: 01/22/10 09:48**

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1902  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
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**Sample ID: NTA1902-78 (LF-AS-078 - Soil) - cont. Sampled: 01/22/10 09:48**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-79 (LF-AS-079 - Soil) Sampled: 01/22/10 09:51**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-80 (LF-AS-080 - Soil) Sampled: 01/22/10 10:00**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-81 (LF-AS-081 - Soil) Sampled: 01/22/10 10:06**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-82 (LF-AS-082 - Soil) Sampled: 01/22/10 10:22**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-83 (LF-AS-083 - Soil) Sampled: 01/22/10 10:30**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-84 (LF-AS-084 - Soil) Sampled: 01/22/10 10:32**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-85 (LF-AS-085 - Soil) Sampled: 01/22/10 10:34**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-86 (LF-AS-086 - Soil) Sampled: 01/22/10 10:50**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-87 (LF-AS-087 - Soil) Sampled: 01/22/10 11:02**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-88 (LF-AS-088 - Soil) Sampled: 01/22/10 11:10**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-89 (LF-AS-089 - Soil) Sampled: 01/22/10 11:12**

Client    Tetra Tech EMI (7797)  
             1955 Evergreen Blvd., Building 200, Suite 300  
             Duluth, GA 30096  
Attn       Jessica Vickers

Work Order:    NTA1902  
Project Name:    Liberty Fibers  
Project Number: [none]  
Received:        01/26/10 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
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**Sample ID: NTA1902-89 (LF-AS-089 - Soil) - cont. Sampled: 01/22/10 11:12**

Subcontracted Analysis

See Attached Report

**Sample ID: NTA1902-90 (LF-AS-090 - Soil) Sampled: 01/22/10 11:13**

Subcontracted Analysis

See Attached Report

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1902  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

## CERTIFICATION SUMMARY

### Subcontracted Laboratories

EmLab - Ft. Lauderdale (13919)

6301 NW 5th Way, Ste 2850 - Ft. Lauderdale, FL 33309

Analysis Performed: Subcontract - Asbestos

Samples: NTA1902-01, NTA1902-02, NTA1902-03, NTA1902-04, NTA1902-05, NTA1902-06, NTA1902-07, NTA1902-08, NTA1902-09, NTA1902-10, NTA1902-11, NTA1902-12, NTA1902-13, NTA1902-14, NTA1902-15, NTA1902-16, NTA1902-17, NTA1902-18, NTA1902-19, NTA1902-20, NTA1902-21, NTA1902-22, NTA1902-23, NTA1902-24, NTA1902-25, NTA1902-26, NTA1902-27, NTA1902-28, NTA1902-29, NTA1902-30, NTA1902-31, NTA1902-32, NTA1902-33, NTA1902-34, NTA1902-35, NTA1902-36, NTA1902-37, NTA1902-38, NTA1902-39, NTA1902-40, NTA1902-41, NTA1902-42, NTA1902-43, NTA1902-44, NTA1902-45, NTA1902-46, NTA1902-47, NTA1902-48, NTA1902-49, NTA1902-50, NTA1902-51, NTA1902-52, NTA1902-53, NTA1902-54, NTA1902-55, NTA1902-56, NTA1902-57, NTA1902-58, NTA1902-59, NTA1902-60, NTA1902-61, NTA1902-62, NTA1902-63, NTA1902-64, NTA1902-65, NTA1902-66, NTA1902-67, NTA1902-68, NTA1902-69, NTA1902-70, NTA1902-71, NTA1902-72, NTA1902-73, NTA1902-74, NTA1902-75, NTA1902-76, NTA1902-77, NTA1902-78, NTA1902-79, NTA1902-80, NTA1902-81, NTA1902-82, NTA1902-83, NTA1902-84, NTA1902-85, NTA1902-86, NTA1902-87, NTA1902-88, NTA1902-89, NTA1902-90

Client Tetra Tech EMI (7797)  
1955 Evergreen Blvd., Building 200, Suite 300  
Duluth, GA 30096  
Attn Jessica Vickers

Work Order: NTA1902  
Project Name: Liberty Fibers  
Project Number: [none]  
Received: 01/26/10 08:00

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**DATA QUALIFIERS AND DEFINITIONS**

**ND** Not detected at the reporting limit (or method detection limit if shown)





## EMLab P&K

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Report for:

**Ms. Cathy Gartner**  
**TestAmerica-Nashville Division**  
2960 Foster Creighton Drive  
Nashville, TN 37204

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Regarding: Project: NTA1902  
EML ID: 621575

Approved by:

Lab Director  
Michael Berg

Dates of Analysis:  
Asbestos-EPA Method 600/R-93/116: 02-03-2010

Service SOPs: Asbestos-EPA Method 600/R-93/116 (EPA-600/M4-82-020 (SOP 100204))

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For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Document Number: 200091 - Revision Number: 5

Client: TestAmerica-Nashville Division  
C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Total Samples Submitted:** 90**Total Samples Analysed:** 90**Total Samples with Layer Asbestos Content > 1%:** 28**Location: NTA1902-01, (LF-AS-001-Soil)**

Lab ID-Version‡: 2754064-1

Sample Layers	Asbestos Content
Black Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	30% Synthetic Fibers < 1% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-02, (LF-AS-002-Soil)**

Lab ID-Version‡: 2754065-1

Sample Layers	Asbestos Content
Multicolored Semi-Fibrous Material /Silver Foil	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	35% Mineral wool 30% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-03, (LF-AS-003-Soil)**

Lab ID-Version‡: 2754066-1

Sample Layers	Asbestos Content
Brown/Black Semi-Fibrous Material	25% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	2% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-04, (LF-AS-004-Soil)**

Lab ID-Version‡: 2754067-1

Sample Layers	Asbestos Content
White Semi-Fibrous Material	25% Amosite < 1% Chrysotile
<b>Sample Composite Homogeneity:</b>	Moderate

The results relate only to the items tested. Interpretation is left to the company and/or persons who conducted the field work. The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

All samples were received in acceptable condition unless otherwise noted. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: TestAmerica-Nashville Division  
C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-05, (LF-AS-005-Soil)**

Lab ID-Version‡: 2754068-1

Sample Layers	Asbestos Content
Multicolored Semi-Fibrous Material	25% Amosite < 1% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	5% Cellulose 5% Cotton
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-06, (LF-AS-006-Soil)**

Lab ID-Version‡: 2754069-1

Sample Layers	Asbestos Content
Multicolored Semi-Fibrous Material	15% Chrysotile 10% Amosite
<b>Composite Non-Asbestos Fibrous Content:</b>	5% Cellulose < 1% Cotton
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-07, (LF-AS-007-Soil)**

Lab ID-Version‡: 2754070-1

Sample Layers	Asbestos Content
Black Semi-Fibrous Material	< 1% Amosite
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-08, (LF-AS-008-Soil)**

Lab ID-Version‡: 2754071-1

Sample Layers	Asbestos Content
Multicolored Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	75% Synthetic Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

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Client: TestAmerica-Nashville Division  
C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-09, (LF-AS-009-Soil)**

Lab ID-Version‡: 2754072-1

Sample Layers	Asbestos Content
Beige Fibrous Material	< 1% Amosite
<b>Composite Non-Asbestos Fibrous Content:</b>	75% Synthetic Fibers 2% Cellulose 2% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-10, (LF-AS-010-Soil)**

Lab ID-Version‡: 2754073-1

Sample Layers	Asbestos Content
White Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	25% Cellulose 20% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-11, (LF-AS-011-Soil)**

Lab ID-Version‡: 2754074-1

Sample Layers	Asbestos Content
Beige Semi-Fibrous Material	ND
White Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Cellulose 10% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-12, (LF-AS-012-Soil)**

Lab ID-Version‡: 2754075-1

Sample Layers	Asbestos Content
Cream Non-Fibrous Material	ND
<b>Sample Composite Homogeneity:</b>	Good

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Client: TestAmerica-Nashville Division  
C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-13, (LF-AS-013-Soil)**

Lab ID-Version‡: 2754076-1

Sample Layers	Asbestos Content
Multicolored Semi-Fibrous Material	5% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	21% Glass Fibers 10% Synthetic Fibers
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-14, (LF-AS-014-Soil)**

Lab ID-Version‡: 2754077-1

Sample Layers	Asbestos Content
Black Semi-Fibrous Material with Multicolored Pebbles	15% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	2% Cellulose < 1% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-15, (LF-AS-015-Soil)**

Lab ID-Version‡: 2754078-1

Sample Layers	Asbestos Content
Multicolored Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	10% Glass Fibers < 1% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-16, (LF-AS-016-Soil)**

Lab ID-Version‡: 2754079-1

Sample Layers	Asbestos Content
Multicolored Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	5% Mineral wool 5% Synthetic Fibers 2% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

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Client: TestAmerica-Nashville Division  
C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-17, (LF-AS-017-Soil)**

Lab ID-Version‡: 2754080-1

Sample Layers	Asbestos Content
Multicolored Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	80% Glass Fibers 5% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-18, (LF-AS-018-Soil)**

Lab ID-Version‡: 2754081-1

Sample Layers	Asbestos Content
Multicolored Non-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	< 1% Cellulose < 1% Mineral wool
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-19, (LF-AS-019-Soil)**

Lab ID-Version‡: 2754082-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	2% Cellulose
<b>Sample Composite Homogeneity:</b>	Good

**Location: NTA1902-20, (LF-AS-020-Soil)**

Lab ID-Version‡: 2754083-1

Sample Layers	Asbestos Content
Cream Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-21, (LF-AS-021-Soil)**

Lab ID-Version‡: 2754084-1

Sample Layers	Asbestos Content
Multicolored Fibrous Material	< 1% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	90% Synthetic Fibers
<b>Sample Composite Homogeneity:</b>	Good

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Client: TestAmerica-Nashville Division  
C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-22, (LF-AS-022-Soil)**

Lab ID-Version‡: 2754085-1

Sample Layers	Asbestos Content
Black Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	10% Synthetic Fibers 5% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-23, (LF-AS-023-Soil)**

Lab ID-Version‡: 2754086-1

Sample Layers	Asbestos Content
Black Semi-Fibrous Material	20% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-24, (LF-AS-024-Soil)**

Lab ID-Version‡: 2754087-1

Sample Layers	Asbestos Content
Multicolored Semi-Fibrous Material	2% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	10% Glass Fibers 5% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-25, (LF-AS-025-Soil)**

Lab ID-Version‡: 2754088-1

Sample Layers	Asbestos Content
Black Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	20% Synthetic Fibers 2% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-26, (LF-AS-026-Soil)**

Lab ID-Version‡: 2754089-1

Sample Layers	Asbestos Content
Brown Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Glass Fibers 5% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

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Client: TestAmerica-Nashville Division  
C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-27, (LF-AS-027-Soil)**

Lab ID-Version‡: 2754090-1

Sample Layers	Asbestos Content
Yellow Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	5% Mineral wool 3% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-28, (LF-AS-028-Soil)**

Lab ID-Version‡: 2754091-1

Sample Layers	Asbestos Content
Black Semi-Fibrous Material	15% Chrysotile
Multicolored Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	20% Synthetic Fibers 2% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-29, (LF-AS-029-Soil)**

Lab ID-Version‡: 2754092-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material	ND
<b>Sample Composite Homogeneity:</b>	Good

**Location: NTA1902-30, (LF-AS-030-Soil)**

Lab ID-Version‡: 2754093-1

Sample Layers	Asbestos Content
Brown Non-Fibrous Material	50% Anthophyllite
<b>Sample Composite Homogeneity:</b>	Good

**Location: NTA1902-31, (LF-AS-031-Soil)**

Lab ID-Version‡: 2754094-1

Sample Layers	Asbestos Content
Beige Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	50% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

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C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-32, (LF-AS-032-Soil)**

Lab ID-Version‡: 2754095-1

Sample Layers	Asbestos Content
Black Roofing Felt	ND
Black Roofing Tar	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-33, (LF-AS-033-Soil)**

Lab ID-Version‡: 2754096-1

Sample Layers	Asbestos Content
Multicolored Semi-Fibrous Material	20% Amosite 7% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	< 1% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-34, (LF-AS-034-Soil)**

Lab ID-Version‡: 2754097-1

Sample Layers	Asbestos Content
White Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	10% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-35, (LF-AS-035-Soil)**

Lab ID-Version‡: 2754098-1

Sample Layers	Asbestos Content
Purple Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	10% Polyester < 1% Cellulose < 1% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-36, (LF-AS-036-Soil)**

Lab ID-Version‡: 2754099-1

Sample Layers	Asbestos Content
Beige Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

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Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-37, (LF-AS-037-Soil)**

Lab ID-Version‡: 2754100-1

Sample Layers	Asbestos Content
Multicolored Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	10% Cellulose < 1% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-38, (LF-AS-038-Soil)**

Lab ID-Version‡: 2754101-1

Sample Layers	Asbestos Content
Black Tar	ND
Multicolored Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Cellulose 5% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-39, (LF-AS-039-Soil)**

Lab ID-Version‡: 2754102-1

Sample Layers	Asbestos Content
Tan Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Cellulose 10% Polyester < 1% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-40, (LF-AS-040-Soil)**

Lab ID-Version‡: 2754103-1

Sample Layers	Asbestos Content
Multicolored Semi-Fibrous Material	25% Amosite 5% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	5% Mineral wool < 1% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Poor

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C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-41, (LF-AS-041-Soil)**

Lab ID-Version‡: 2754104-1

Sample Layers	Asbestos Content
Multicolored Semi-Fibrous Material	15% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	25% Cotton 8% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-42, (LF-AS-042-Soil)**

Lab ID-Version‡: 2754105-1

Sample Layers	Asbestos Content
Multicolored Non-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	< 1% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-43, (LF-AS-043-Soil)**

Lab ID-Version‡: 2754106-1

Sample Layers	Asbestos Content
Multicolored Non-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	< 1% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-44, (LF-AS-044-Soil)**

Lab ID-Version‡: 2754107-1

Sample Layers	Asbestos Content
Tan Non-Fibrous Material	ND
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-45, (LF-AS-045-Soil)**

Lab ID-Version‡: 2754108-1

Sample Layers	Asbestos Content
Brown Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	3% Polyester 2% Glass Fibers < 1% Synthetic Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

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C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-46, (LF-AS-046-Soil)**

Lab ID-Version‡: 2754109-1

Sample Layers	Asbestos Content
Purple Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	10% Polyester 2% Glass Fibers < 1% Cellulose < 1% Synthetic Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-47, (LF-AS-047-Soil)**

Lab ID-Version‡: 2754110-1

Sample Layers	Asbestos Content
Off-White Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-48, (LF-AS-048-Soil)**

Lab ID-Version‡: 2754111-1

Sample Layers	Asbestos Content
Yellow Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Cellulose 4% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-49, (LF-AS-049-Soil)**

Lab ID-Version‡: 2754112-1

Sample Layers	Asbestos Content
Off-White Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	20% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-50, (LF-AS-050-Soil)**

Lab ID-Version‡: 2754113-1

Sample Layers	Asbestos Content
Purple Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	2% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

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C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-51, (LF-AS-051-Soil)**

Lab ID-Version‡: 2754114-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	< 1% Cellulose
<b>Sample Composite Homogeneity:</b>	Good

**Location: NTA1902-52, (LF-AS-052-Soil)**

Lab ID-Version‡: 2754115-1

Sample Layers	Asbestos Content
Black Semi-Fibrous Material	20% Amosite 5% Chrysotile
Black Non-Fibrous Material	10% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	< 1% Cellulose
<b>Sample Composite Homogeneity:</b>	Good

**Location: NTA1902-53, (LF-AS-053-Soil)**

Lab ID-Version‡: 2754116-1

Sample Layers	Asbestos Content
Off-White Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-54, (LF-AS-054-Soil)**

Lab ID-Version‡: 2754117-1

Sample Layers	Asbestos Content
Yellow Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Cellulose 5% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-55, (LF-AS-055-Soil)**

Lab ID-Version‡: 2754118-1

Sample Layers	Asbestos Content
Purple Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	10% Polyester 2% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

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Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-56, (LF-AS-056-Soil)**

Lab ID-Version‡: 2754119-1

Sample Layers	Asbestos Content
Brown Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	10% Polyester 3% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-57, (LF-AS-057-Soil)**

Lab ID-Version‡: 2754120-1

Sample Layers	Asbestos Content
Black Tar	5% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Cellulose 5% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Good

**Location: NTA1902-58, (LF-AS-058-Soil)**

Lab ID-Version‡: 2754121-1

Sample Layers	Asbestos Content
Black Tar	ND
Brown Semi-Fibrous Material	10% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	65% Mineral wool 5% Cellulose < 1% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Good

**Location: NTA1902-59, (LF-AS-059-Soil)**

Lab ID-Version‡: 2754122-1

Sample Layers	Asbestos Content
Off-White Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Cellulose 3% Polyester 2% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

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C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-60, (LF-AS-060-Soil)**

Lab ID-Version‡: 2754123-1

Sample Layers	Asbestos Content
Beige Semi-Fibrous Material	30% Amosite 10% Chrysotile
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-61, (LF-AS-061-Soil)**

Lab ID-Version‡: 2754124-1

Sample Layers	Asbestos Content
Multicolored Semi-Fibrous Material	25% Amosite 2% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	5% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-62, (LF-AS-062-Soil)**

Lab ID-Version‡: 2754125-1

Sample Layers	Asbestos Content
Multicolored Tar Layer	ND
Multicolored Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Cellulose 5% Glass Fibers 2% Wollastonite
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-63, (LF-AS-063-Soil)**

Lab ID-Version‡: 2754126-1

Sample Layers	Asbestos Content
Tan Semi-Fibrous Material	ND
Multicolored Semi-Fibrous Material	3% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	5% Glass Fibers 4% Polyester 3% Talc 2% Synthetic Fibers < 1% Wollastonite
<b>Sample Composite Homogeneity:</b>	Poor

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Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-64, (LF-AS-064-Soil)**

Lab ID-Version‡: 2754127-1

Sample Layers	Asbestos Content
White Semi-Fibrous Material	ND
Purple Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Polyester
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-65, (LF-AS-065-Soil)**

Lab ID-Version‡: 2754128-1

Sample Layers	Asbestos Content
White Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	25% Cellulose 3% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-66, (LF-AS-066-Soil)**

Lab ID-Version‡: 2754129-1

Sample Layers	Asbestos Content
Purple Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Polyester
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-67, (LF-AS-067-Soil)**

Lab ID-Version‡: 2754130-1

Sample Layers	Asbestos Content
Black Foam	ND
Black Semi-Fibrous Material	25% Chrysotile
Gray/Black Semi-Fibrous Material	ND
Beige Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	5% Wollastonite < 1% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Poor

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C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-68, (LF-AS-068-Soil)**

Lab ID-Version‡: 2754131-1

Sample Layers	Asbestos Content
Tan Semi-Fibrous Material	20% Amosite 3% Chrysotile
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-69, (LF-AS-069-Soil)**

Lab ID-Version‡: 2754132-1

Sample Layers	Asbestos Content
Black Tar Layer	< 1% Amosite < 1% Chrysotile
Gray Semi-Fibrous Material	ND
White Semi-Fibrous Material	ND
<b>Composite Asbestos Fibrous Content:</b>	< 1% Asbestos
<b>Composite Non-Asbestos Fibrous Content:</b>	25% Mineral wool 20% Cellulose 5% Glass Fibers < 1% Talc < 1% Wollastonite
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-70, (LF-AS-070-Soil)**

Lab ID-Version‡: 2754133-1

Sample Layers	Asbestos Content
White Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Polyester 2% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-71, (LF-AS-071-Soil)**

Lab ID-Version‡: 2754134-1

Sample Layers	Asbestos Content
Gray Semi-Fibrous Material	25% Amosite 3% Chrysotile
<b>Sample Composite Homogeneity:</b>	Poor

The results relate only to the items tested. Interpretation is left to the company and/or persons who conducted the field work. The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

All samples were received in acceptable condition unless otherwise noted. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: TestAmerica-Nashville Division  
C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-72, (LF-AS-072-Soil)**

Lab ID-Version‡: 2754135-1

Sample Layers	Asbestos Content
Gray Semi-Fibrous Material	ND
Purple Semi-Fibrous Material	< 1% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	10% Glass Fibers 10% Polyester < 1% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-73, (LF-AS-073-Soil)**

Lab ID-Version‡: 2754136-1

Sample Layers	Asbestos Content
Off-White Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	20% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-74, (LF-AS-074-Soil)**

Lab ID-Version‡: 2754137-1

Sample Layers	Asbestos Content
White Semi-Fibrous Material	ND
Brown Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	50% Mineral wool 8% Cotton 4% Cellulose
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-75, (LF-AS-075-Soil)**

Lab ID-Version‡: 2754138-1

Sample Layers	Asbestos Content
Black Tar	15% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	< 1% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

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‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: TestAmerica-Nashville Division  
C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-76, (LF-AS-076-Soil)**

Lab ID-Version‡: 2754139-1

Sample Layers	Asbestos Content
Purple Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	10% Polyester 3% Glass Fibers < 1% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-77, (LF-AS-077-Soil)**

Lab ID-Version‡: 2754140-1

Sample Layers	Asbestos Content
Black Semi-Fibrous Material	20% Chrysotile
Black/White Rock	ND
Black Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Polyester 2% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Poor

**Location: NTA1902-78, (LF-AS-078-Soil)**

Lab ID-Version‡: 2754141-1

Sample Layers	Asbestos Content
Off-White Non-Fibrous Material	ND
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-79, (LF-AS-079-Soil)**

Lab ID-Version‡: 2754142-1

Sample Layers	Asbestos Content
Yellow Non-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	< 1% Cellulose < 1% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

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‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: TestAmerica-Nashville Division  
C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-80, (LF-AS-080-Soil)**

Lab ID-Version‡: 2754143-1

Sample Layers	Asbestos Content
Brown/Black Semi-Fibrous Material with Shiny Underside	ND
Brown/Black Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	8% Mineral wool 5% Glass Fibers < 1% Cellulose
<b>Sample Composite Homogeneity:</b>	Good

**Location: NTA1902-81, (LF-AS-081-Soil)**

Lab ID-Version‡: 2754144-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material	ND
Black Non-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	10% Cellulose 2% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-82, (LF-AS-082-Soil)**

Lab ID-Version‡: 2754145-1

Sample Layers	Asbestos Content
Multicolored Semi-Fibrous Material	ND
Black Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	60% Cellulose < 1% Glass Fibers
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-83, (LF-AS-083-Soil)**

Lab ID-Version‡: 2754146-1

Sample Layers	Asbestos Content
Brown Semi-Fibrous Material	10% Anthophyllite
<b>Sample Composite Homogeneity:</b>	Moderate

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‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



Client: TestAmerica-Nashville Division  
C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-84, (LF-AS-084-Soil)**

Lab ID-Version‡: 2754147-1

Sample Layers	Asbestos Content
Beige Non-Fibrous Material	ND
Brown Semi-Fibrous Material	35% Anthophyllite
<b>Sample Composite Homogeneity:</b> Moderate	

**Location: NTA1902-85, (LF-AS-085-Soil)**

Lab ID-Version‡: 2754148-1

Sample Layers	Asbestos Content
Brown Semi-Fibrous Material	35% Anthophyllite
<b>Sample Composite Homogeneity:</b> Moderate	

**Location: NTA1902-86, (LF-AS-086-Soil)**

Lab ID-Version‡: 2754149-1

Sample Layers	Asbestos Content
Black Semi-Fibrous Material	10% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	5% Cellulose
<b>Sample Composite Homogeneity:</b> Poor	

**Location: NTA1902-87, (LF-AS-087-Soil)**

Lab ID-Version‡: 2754150-1

Sample Layers	Asbestos Content
Brown/Black Semi-Fibrous Material	< 1% Chrysotile
<b>Composite Non-Asbestos Fibrous Content:</b>	25% Cellulose 5% Glass Fibers
<b>Sample Composite Homogeneity:</b> Poor	

**Location: NTA1902-88, (LF-AS-088-Soil)**

Lab ID-Version‡: 2754151-1

Sample Layers	Asbestos Content
Green Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	15% Glass Fibers 5% Cellulose 5% Synthetic Fibers
<b>Sample Composite Homogeneity:</b> Moderate	

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‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: TestAmerica-Nashville Division  
C/O: Ms. Cathy Gartner  
Re: NTA1902Date of Sampling: 01-19-2010  
Date of Receipt: 01-28-2010  
Date of Report: 02-03-2010**ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116****Location: NTA1902-89, (LF-AS-089-Soil)**

Lab ID-Version‡: 2754152-1

Sample Layers	Asbestos Content
Beige Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	20% Glass Fibers < 1% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

**Location: NTA1902-90, (LF-AS-090-Soil)**

Lab ID-Version‡: 2754153-1

Sample Layers	Asbestos Content
Beige Semi-Fibrous Material	ND
<b>Composite Non-Asbestos Fibrous Content:</b>	65% Glass Fibers < 1% Cellulose
<b>Sample Composite Homogeneity:</b>	Moderate

The results relate only to the items tested. Interpretation is left to the company and/or persons who conducted the field work. The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

All samples were received in acceptable condition unless otherwise noted. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

## COOLER



NTA1902

Cooler Received/Opened On: 1/26/2010 @ 8:00

1. Tracking # 4639 (last 4 digits, F)

Courier: Fed-ex

IR Gun ID: 95610068

2. Temperature of rep. sample or temp blank when opened 16.8 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: \_\_\_\_\_

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) \_\_\_\_\_

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) \_\_\_\_\_

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) \_\_\_\_\_

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) \_\_\_\_\_

I certify that I attached a label with the unique LIMS number to each container (initial) \_\_\_\_\_

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...# \_\_\_\_\_

## Chain of Custody Record

# TestAmerica

# THE LEADER IN ENVIRONMENTAL TESTING

**TestAmerica Laboratories, Inc.**

Client Contact		Project Manager: Sandra Harrigan		Site Contact: Paul Prys		Date: 1/25/10		COC No. 1	
Tetra Tech EM, Inc.		Tel/Fax: (678) 775-3088		Lab Contact: Cathy Gartner		Carrier: FedEx		1 of 8 COCs	
1955 Evergreen Blvd, Bldg 200, Suite 300		Analysis Turnaround Time						Job No. 103DX90170003.0041.3002	
Duluth, GA 30096		Calendar (C) or Work Days (W)							
(678) 775-3080 Phone		1A1 if different from Below							
(678) 775-3138 FAX		<input checked="" type="checkbox"/> 2 weeks							
Project Name: Liberty Fibers Site		<input type="checkbox"/> 1 week							
Site: Lowland, TN		<input type="checkbox"/> 2 days							
P O #		<input type="checkbox"/> 1 day							
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample		
							Asbestos - PLM		
LF-AS-001		1/19/2010	09:34	Grab	Bulk	1	X		
LF-AS-002		1/19/2010	10:13	Grab	Bulk	1	X		
LF-AS-003		1/19/2010	10:19	Grab	Bulk	1	X		
LF-AS-004		1/19/2010	10:26	Grab	Bulk	1	X		
LF-AS-005		1/19/2010	10:28	Grab	Bulk	1	X		
LF-AS-006		1/19/2010	10:41	Grab	Bulk	1	X		
LF-AS-007		1/19/2010	10:43	Grab	Bulk	1	X		
LF-AS-008		1/19/2010	10:48	Grab	Bulk	1	X		
LF-AS-009		1/19/2010	10:55	Grab	Bulk	1	X		
LF-AS-010		1/19/2010	11:00	Grab	Bulk	1	X		
LF-AS-011		1/19/2010	11:03	Grab	Bulk	1	X		
LF-AS-012		1/19/2010	11:12	Grab	Bulk	1	X		
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other									
Possible Hazard Identification									
<input type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Poison B		<input checked="" type="checkbox"/> Unknown	
Special Instructions/QC Requirements & Comments: E-mail results to Jessica Vickers at jessica.vickers@tetratech.com.									
Retained by:		Company: Tetra Tech	Date/Time: 1/25/2010 1:30	Received by: S. L. V.	Company: T.A. Nash	Date/Time: 1/26/10 8:00			
Relinquished by:		Company:	Date/Time:	Received by:	Company:	Date/Time:			
Relinquished by:		Company:	Date/Time:	Received by:	Company:	Date/Time:			

Nashville  
2960 Foster Creighton Drive

Nashville, TN 37204  
phone 615 726 0177 fax 615 726 3403

## Chain of Custody Record

TestAmerica  
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

<b>Client Contact</b>		<b>Project Manager: Sandra Harrigan</b>		<b>Date: 1/25/10</b>						
Tetra Tech EM, Inc.		Tel/Fax: (678) 775-3088		COC No: 2 of 8 COCs						
1955 Evergreen Blvd, Bldg 200, Suite 300		<b>Analysis Turnaround Time</b>		Job No: 103DX90170003-0041-3002						
Duluth, GA 30096		Calendar (C) or Work Days (W)		SDG No.						
(678) 775-3080 Phone		TAT if different from Below								
(678) 775-3138 FAX		<input checked="" type="checkbox"/> 2 weeks								
Project Name: Liberty Fibers Site		<input type="checkbox"/> 1 week								
Site: Morristown, TN		<input type="checkbox"/> 2 days								
P O #		<input type="checkbox"/> 1 day								
<b>Sample Identification</b>		<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type</b>	<b>Matrix</b>	<b># of Cont.</b>	<b>Filtered Sample</b>			
LF-AS-013		1/19/2010	11:19	Grab	Bulk	1	X			
LF-AS-014		1/19/2010	11:27	Grab	Bulk	1	X			
LF-AS-015		1/19/2010	11:28	Grab	Bulk	1	X			
LF-AS-016		1/19/2010	11:35	Grab	Bulk	1	X			
LF-AS-017		1/19/2010	11:40	Grab	Bulk	1	X			
LF-AS-018		1/19/2010	11:41	Grab	Bulk	1	X			
LF-AS-019		1/19/2010	11:43	Grab	Bulk	1	X			
LF-AS-020		1/19/2010	14:06	Grab	Bulk	1	X			
LF-AS-021		1/19/2010	14:15	Grab	Bulk	1	X			
LF-AS-022		1/19/2010	14:17	Grab	Bulk	1	X			
LF-AS-023		1/19/2010	14:25	Grab	Bulk	1	X			
LF-AS-024		1/19/2010	14:35	Grab	Bulk	1	X			
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other										
<b>Possible Hazard Identification</b>		<input type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input checked="" type="checkbox"/> Unknown			
Special Instructions/QC Requirements & Comments: E-mail results to Jessica Vickers at jessica.vickers@tetratech.com.										
Relinquished by:		Company: Tetra Tech	Date/Time: 1/25/10	Received by:	Company: T A Lab.	Date/Time: 1/26/10				
Relinquished by:		Company:	Date/Time:	Received by:	Company:	Date/Time:				
Relinquished by:		Company:	Date/Time:	Received by:	Company:	Date/Time:				



2960 Foster Creighton Drive

# TestAmerica

## THE LEADER IN ENVIRONMENTAL TESTING

	TestAmerica Laboratories, Inc.
100C No. 3	
1-800-744-6000	
20	

COC No. 3	
-----------	--

3 of 8 COCs

Job No. 103DX90170003.0041.3002

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--	--

SDG No.

100

\_\_\_\_\_

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[illegible][illegible]

**Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)**

<input type="checkbox"/> Return To Client	<input checked="" type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months
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0.0 m.

Revised/Amended by	Company	Date/Time	Received by	Company	Date/Time

10 km	1/25/1973	D. W.	1-1	W.S.N.	1/26/73	S.C.C.
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Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
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	1	2	3	4	Date/TIME
(					

Relinquished by:	Company:	Date/Time:
Received by:	Company:	Date/Time:

Nashville  
2960 Foster Creighton Drive

Nashville, TN 37204  
phone 615.726.0177 fax 615.726.3403

## Chain of Custody Record

**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

### Client Contact

Project Manager: Sandra Harrigan  
Tel/Fax: (678) 775-3088

Date: 1/25/10

COC No. 4

### Analysis Turnaround Time

Calendar (C) or Work Days (W)

TAT if different from Below

☒ 2 weeks

☐ 1 week

☐ 2 days

☐ 1 day

Job No. 103DX90170003.0041.3002

SDG No.

4 of 8 COCs

Sample Specific Notes:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client ☒ Disposal By Lab ☐ Archive For Months

Sample Identification

Sample Date

Sample Time

Sample Type

Matrix

# of Cont.

Filtered Sample

Asbestos - PLM

Carrier: FedEx

Lab Contact: Cathy Gartner

Site Contact: Paul Prys

Received by: *SW*

Received by: *SW*

Received by: *SW*

Received by: *SW*

Received by: *SW*

Received by: *SW*

Received by: *SW*

Received by: *SW*

Received by: *SW*

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Received by: *SW*

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Received by: *SW*

Received by: *SW*

Received by: *SW*

Relinquished by: *Paul Tech*  
Retinquished by: *Paul Tech*  
Relinquished by: *Paul Tech*

Company: *Tetra Tech*  
Company: *Tetra Tech*  
Company: *Tetra Tech*

Date/Time: *1/25/10 1:30*  
Date/Time: *1/25/10 1:30*  
Date/Time: *1/25/10 1:30*

Received by: *SW*  
Received by: *SW*  
Received by: *SW*

Company: *SW*  
Company: *SW*  
Company: *SW*

Date/Time: *1/25/10 5:00*  
Date/Time: *1/25/10 5:00*  
Date/Time: *1/25/10 5:00*

Received by: *SW*  
Received by: *SW*  
Received by: *SW*



# Nashville

2960 Foster Creighton Drive

## Chain of Custody Record

Nashville, TN 37204  
phone 615 726 0177 fax 615 726 3403

**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

### Client Contact

Project Manager: Sandra Harrigan

Tetra Tech EM, Inc.

Tel/Fax: (678) 775-3088

1955 Evergreen Blvd. Bldg 200, Suite 300

Analysis Turnaround Time

Duluth, GA 30096

Calendar (C) or Work Days (W)

(678) 775-3080

Phone

TAT if different from Below

(678) 775-3138

FAX

☒ 2 weeks  
☐ 1 week  
☐ 2 days  
☐ 1 day

Project Name: Liberty Fibers Site

Site: Morristown, TN

P O #

### Sample Identification

Sample Date

Sample Time

Sample Type

Matrix

# of Cont.

Filtered Sample

Asbestos - PLM

Sample Specific Notes:

SDG No.

COC No. 6  
6 of 8 COCs  
Job No. 103DX90170003 0041.3002

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
☐ Return To Client ☒ Disposal By Lab ☐ Archive For \_\_\_\_\_ Months

Possible Hazard Identification  
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Special Instructions/QC Requirements & Comments: E-mail results to Jessica Vickers at jessica.vickers@tetratech.com.

Relinquished by:

Company: Tetra Tech

Date/Time: 1/25/10

Received by:

Company: Wash.

Date/Time: 1/26/10

Relinquished by:

Company:

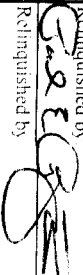
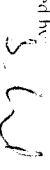
Date/Time:

Nashville  
2960 Foster Creighton Drive

Nashville, TN 37204  
phone 615.726.0177 fax 615.726.3403

Chain of Custody Record

TestAmerica  
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact		Project Manager: Sandra Harrigan		Site Contact: Paul Pys		Date: 1/25/10		COC No. 7	
Tel/Fax: (678) 775-3088		Analysis Turnaround Time		Lab Contact: Cathy Gartner		Carrier: FedEx		7 of 8 COCs	
Tetra Tech EM, Inc.		Calendar (C) or Work Days (W)						Job No. 103DX90170003.0041.3002	
1955 Evergreen Blvd. Bldg 200, Suite 300									
Duluth, GA 30096									
(678) 775-3080 Phone		TAT if different from Below						SDG No.	
(678) 775-3138 FAX		2 weeks							
Project Name: Liberty Fibers Site		1 week							
Site: Morristown, TN		2 days							
P O #		1 day							
Sample Identification		Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Sample Specific Notes:	
							Asbestos - PLM		
LF-AS-073		1/22/2010	09:16	Grab	Bulk	1	X	73	
LF-AS-074		1/22/2010	09:22	Grab	Bulk	1	X	74	
LF-AS-075		1/22/2010	09:23	Grab	Bulk	1	X	75	
LF-AS-076		1/22/2010	09:34	Grab	Bulk	1	X	76	
LF-AS-077		1/22/2010	09:38	Grab	Bulk	1	X	77	
LF-AS-078		1/22/2010	09:48	Grab	Bulk	1	X	78	
LF-AS-079		1/22/2010	09:51	Grab	Bulk	1	X	79	
LF-AS-080		1/22/2010	10:00	Grab	Bulk	1	X	80	
LF-AS-081		1/22/2010	10:06	Grab	Bulk	1	X	81	
LF-AS-082		1/22/2010	10:22	Grab	Bulk	1	X	82	
LF-AS-083		1/22/2010	10:30	Grab	Bulk	1	X	83	
LF-AS-084		1/22/2010	10:32	Grab	Bulk	1	X	84	
Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other									
Possible Hazard Identification									
<input type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable		<input type="checkbox"/> Skin Irritant		<input checked="" type="checkbox"/> Poison B		<input type="checkbox"/> Unknown	
Special Instructions/QC Requirements & Comments: E-mail results to Jessica Vickers at jessica.vickers@tetratech.com.									
Relinquished by: 		Company: Tetra Tech	Date/Time: 1/25/2010 1:30	Received by: 	Company: J. A. Wash.	Date/Time: 1/26/2010 8:00			
Relinquished by:		Company:	Date/Time:	Received by:	Company:	Date/Time:			



## Chain of Custody Record

**TestAmerica Laboratories, Inc.**

**TestAmerica Laboratories, Inc.**  
COC No: 8

8 of 8 COCs
-------------

8 01 8 CACS

Job No. 103DX90170003.0041.3002

SDG No.

Sample Specific Notes:

[illegible]

**APPENDIX G**  
**TABLE OF WITNESSES**  
(1 Page)

**TABLE OF WITNESSES  
LIBERTY FIBERS SITE  
LOWLAND, HAMBLLEN COUNTY, TENNESSEE**

Perry Gaughan  
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Response Team (START)  
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Shan Wei  
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(Enviroprobe)  
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(800) 596-7472  
[swei@enviroprobe.com](mailto:swei@enviroprobe.com)

Ken Lindos  
Geophysicist  
Enviroprobe  
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[klindos@enviroprobe.com](mailto:klindos@enviroprobe.com)

Corey Williamson  
Environmental Specialist  
Resolution Incorporated  
1101 A Darbytown Drive  
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[resolution@resolutionusa.com](mailto:resolution@resolutionusa.com)

**ATTACHMENT 1**

**ENVIROPROBE SERVICE, INC. GEOPHYSICAL INVESTIGATION REPORT**  
**DATED JANUARY 29, 2010**  
(7 Sheets)



## **GEOPHYSICAL INVESTIGATION REPORT**

### **PERFORMED AT:**

**Liberty Fibers  
4901 Enka Hwy  
Morristown, TN 37813**

### **PREPARED FOR:**

**Paul Prys  
Tetra Tech EM Inc.  
1955 Evergreen Blvd.  
Bldg. 200, Ste. 300  
Duluth, GA 30096**

### **PREPARED BY:**

**Shan Wei  
Senior Geophysicist  
Enviroprobe Service, Inc.  
908 N Lenola Road  
Moorestown, NJ 08057  
Phone: (856) 858-8584  
Toll Free: (800) 596-7472**

**January 29, 2010**



## 1.0 INTRODUCTION

Enviroprobe Service, Inc. (Enviroprobe) is an environmental investigation services firm which provides monitoring well installation (HSA), Geoprobe (DPT) drilling services and Environmental & Engineering Geophysics (EEG) services to the environmental consulting and engineering community.

Enviroprobe conducted a subsurface geophysical investigation at the subject property within client-specified areas of concern. Due to conditions and objectives, the investigation utilized a Mala Geoscience Ramac X3M cart-mounted Ground Penetrating Radar (GPR) unit with a 250 MHz antenna, a Radiodetection receiver, a Radiodetection transmitter and a Geonics EM61 metal detector.

GPR is a geophysical method that has been developed over the past thirty years for shallow, high-resolution, subsurface investigations of the earth. GPR uses high frequency pulsed electromagnetic waves (generally 10 MHz to 2,000 MHz) to acquire subsurface information. An EM wave is propagated downward into the ground by a transmitting antenna. Where abrupt changes in electrical properties occur in the subsurface, a portion of the energy is reflected back to the surface. This reflected wave is detected by a receiver antenna and transmitted to a control unit for real time processing and display. The penetration depth of the GPR unit varies from several inches to tens of feet according to site-specific conditions. The penetration depth decreases with increased soil conductivity. The penetration depth is the greatest in ice, dry sands, and fine gravels. Clayey, highly saline or saturated soils, areas covered by concrete, foundry slag, or other highly conductive materials greatly reduce GPR penetration. GPR is a method commonly used for environmental, engineering, archaeological, and other shallow investigations.

The Radiodetection (RD) transmitter and receiver are commonly used for pipe and cable locating. The multi-frequency transmitter can be directly connected, clamped, or used to induce a signal in a target line while the multi-frequency receiver is used to measure the signal from energized lines.

The EM61 is a time-domain metal detector which detects both ferrous and non-ferrous metals. A transmitter generates a pulsed primary magnetic field in the earth, which induces eddy currents in nearby metallic objects. The eddy current decay produces a secondary magnetic field measured by the receiver coil. By taking the measurement after the start of the current decay, the current induced in the ground has fully dissipated and only the current in the metal is still producing a secondary field. The responses are recorded and displayed by an integrated data logger.

## 2.0 SCOPE OF WORK

From January 18 to 23, 2010, a team of geophysical professionals from Enviroprobe Service Inc. were mobilized to the subject property to perform a geophysical investigation within client-specified areas of the property. The primary objective of the

investigation was to detect possible transformers and other metallic objects buried underground causing potential environmental concerns. The ground surface materials were mainly nature soil/dirt with light vegetation.

The approach of the geophysical investigation included the following work elements:

- Mobilize a team of geophysical professionals to the site.
- Coordinate with the client representatives to determine the scopes of the survey areas, appropriate work conditions/schedules and proper geophysical tools/methods to use.
- Setup geophysical and navigation equipment and associated tools, collect and process data, identify and mark anomalies on site.
- Demobilize equipment and personnel from site.

Throughout the property, there were muddy areas and areas with standing water/puddles. The groundwater level was shallow. and it's determined that the EM61-MK2 instead of the GPR would be the primary geophysical investigation tool.

### **3.0 SURVEY RESULTS**

#### **1) EM61 survey**

Due to the fact that the survey areas were distributed throughout the property, a local control point was chosen for each survey area. The data at the control point was inspected before and after the survey for each area.

For each survey area or each set of survey areas close to each other, the EM61-MK2 system was set up with a real time differential global positioning system (DGPS). The accuracy of the DGPS was sub-meter although it could less if there were buildings/aboveground structures nearby. Each area was surveyed in a grid pattern and the EM61 cart unit was man-towed in bi-directional linear paths. The data collection system was guided visually by the operator along marked tracks pin flagged by the geophysical assistant to prevent data gaps.

All EM61 and positioning data were collected simultaneously and stored on the field-computer. The geophysical data were then transferred to a laptop computer to review survey completeness and accuracy. The line spacing of the grids was about 4 feet and the station spacing with each line varied but generally was less than 1 foot. Note that sometimes the grid line was not straight or complete, mainly due to uneven ground surfaces, ground surfaces with topography or ground obstacles, etc. The EM61 raw data was processed with Geonics DAT61MK2 and the EM61 differential data was contoured with Surfer of Golden Software. The spacing of the contour grid was about 2'x2'. The anomalies identified from the contour mappings were marked on site with blue pin flags.

Here the survey areas are grouped into 9 areas. The survey areas with the EM61 differential data are shown in the maps in the electronic format of an AutoCAD file (dwg file in 2007 format) delivered with this report. Each anomaly was marked on site either as a spot anomaly or an area anomaly depending on its size. The positions of the pin flags representing the spot anomalies or area anomalies are also shown in the maps. The coordinate system of the map is WGS 1984, UTM, 17 North in feet. The geophysical findings are listed as following:

- Area 1, 3 and 8 – No significant underground metallic anomalies were detected.
- Area 2 -- Two area anomalies. One of them was confirmed as underground pipe(s) through the further RD survey.
- Area 4 – One area anomaly and 6 spot anomalies. There were surface metals visible on the ground in the area containing the spot anomalies. There were also two ring-shaped anomalies consistent of the concrete “rings” visible on the ground surface.
- Area 5 -- One spot area with the potential extending to the outside of the survey area.
- Area 6 – One area anomaly.
- Area 7 – One area anomaly. This survey area was around a dirt pile and the pile itself was the anomaly.
- Area 9 – One area anomaly; two spot anomalies close to each other.

The EM61 data is also delivered with this report and it's in the format of comma-separated spreadsheet. For example, area1.dat is the data for area 1.

## 2) GPR survey

A test GPR survey was also performed in area 9. 4 GPR profiles were collected and their positions are shown in the AutoCAD file. The GPR raw data is also delivered with this report. For example, DAT\_0001.\* is for GPR profile 1. The data can be visualized with the software GroundVision of Mala Geoscience. As expected, the GPR investigation depth was very shallow and estimated as close to zero.

## 4.0 CONCLUSIONS AND RECOMMENDATIONS

It appeared that there were a lot of scrap/junk metals visible either laying on the ground surface or half buried in and around some survey areas. Most of the spot anomalies would be expected to be similar to those visible on the ground surface. If an area anomaly was close to existing or demolished buildings/structures, it's highly possible that it's related to building foundations or other structures containing reinforced concrete. However, due to the limitations of the GPR survey, it's difficult to get further information to confirm/deny the speculations. To clarify the geophysical findings, test excavations in these anomaly areas are recommended.

## **5.0 LIMITATION**

Due to the shallow groundwater level and uneven ground surfaces, the GPR survey would not be effective and was not chosen as the primary investigation tool.

The uneven, topographic or muddy ground surfaces in the survey areas made the EM61 data collection process difficult. The respirator worn by the EM61 operator as required by the health and safety protocol made it even more difficult and more time consuming.

## **6.0 WARRANTIES**

The field observations and measurements reported herein are considered sufficient in detail and scope for this project. Enviroprobe Service, Inc. warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted environmental engineering methods. There is a possibility that conditions may exist which could not be identified within the scope of this project and were not apparent during the site activities performed for this project.

Enviroprobe represents that the services were performed in a manner consistent with that level of care and skill ordinarily exercised by environmental consultants under similar circumstances. No other representations to Client, express or implied, and no warranty or guarantee is included or intended in this agreement, or in any report, document, or otherwise.

Enviroprobe Service, Inc. believes that the information provided in this report is reliable. However, Enviroprobe cannot warrant or guarantee that the information provided by others is complete or accurate. No other warranties or guarantees are implied or expressed.

GPR data is subject to signal anomalies and operator interpretation. The GPR data is intended to provide the locations of areas of concern requiring additional investigation or the approximate location of underground structures and utilities. Great care must be utilized when excavating and/or drilling around underground structures and utilities since GPR data can only be used for estimation purposes and GPR data is subject to misinterpretation. Enviroprobe can not guarantee that utilities, post-tension cables, and/or rebar will not be incurred during drilling, cutting, coring, or excavating activities.

This report was prepared pursuant to the contract Enviroprobe has with the Client. That contractual relationship included an exchange of information about the property that was unique and between Enviroprobe and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between Enviroprobe and its client, reliance or any use of this report by anyone other than the Client, for whom it was prepared, is prohibited and therefore not foreseeable to

Enviroprobe.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third party beneficiary to Enviroprobe contract with the Client. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.







## **ATTACHMENT 2**

### **RESOLUTIONS, INC. AIR MONITORING RESULTS** (Two Sheets)

# RESOLUTION, INCORPORATED

## ENVIRONMENTAL CONSULTANTS

1101 A DARBYTOWN RD. NASHVILLE TN. 37207 (615) 865-8813 FAX (615) 868-4140

### ASBESTOS SAMPLE COLLECTION DATA SHEET

PROJECT NAME: Liberty Fibers  
 PROJECT LOCATION: Morris town, TN  
 PROJECT DATE: 1/18/10  
 CONTRACTOR: Tetra Tech

REMOVAL ACTIVITY:  
 ANALYTICAL METHOD: NIOSH 7400 - "A" COUNTING RULES  
 SUPERVISOR: Paul Price  
 TECHNICIAN: Cory Williamson

SAMPLE I.D.	SAMPLE TYPE	LOCATION / NAME & SOCIAL SECURITY NUMBER	JOB TASK	RESP. PROT.	TIME ON	TIME OFF	TOTAL TIME	LPM	VOLUME (LITERS)	FIBERCOUNT (f/m)	F/CC
1	FB	Field Blank								0	0.00
2	FB	Field Blank								0	0.00
3	IA	Tailgate of Van	W/A	PAPR	1:24	4:32	172	2.2	378.4	7	.0091
4	IA	Northwest End of Property	↓	↓	1:42	4:54	192	2	384	3	.0040
5	IA	Fence Behind Rayon Staple Plant			1:58	4:49	171	2	342	5	.0071
6	IA	North East Corner			2:06	4:39	153	2.5	382.5	4	.0051
7	IA	Pole Beside Power House			2:18	4:34	136	2.2	299.2	10	.0200
8	IA	Clean Area	↓	↓	2:23	4:59	156	2	312	2.5	.0040

REMARKS:

SAMPLE TYPE: AM - AMBIENT, CL - CLEARANCE, EXEC - EXCURSION, IA - INSIDE AREA, OA - OUTSIDE AREA, PR - PERSONAL, FB - FIELD BLANK  
 RESPIRATORY PROTECTION: 1/2 - HALF FACE, F - FULL FACE, PAPR - POWERED AIR PURIFYING RESPIRATOR

# RESOLUTION, INCORPORATED

## ENVIRONMENTAL CONSULTANTS

1101 A DARBYTOWN RD. NASHVILLE TN. 37207 (615) 865-8813 FAX (615) 868-4140

### ASBESTOS SAMPLE COLLECTION DATA SHEET

PROJECT NAME: (16410) Liberty Fibers

PROJECT LOCATION: Morris' town, TN

PROJECT DATE: 1/19/00

CONTRACTOR: Tetra Tech

REMOVAL ACTIVITY:

ANALYTICAL METHOD: NIOSH 7400 - "A" COUNTING RULES

SUPERVISOR: Paul Price

TECHNICIAN: Cory Williamson

SAMPLE I.D.	SAMPLE TYPE	LOCATION / NAME & SOCIAL SECURITY NUMBER	JOB TASK	RESP. PROT.	TIME ON	TIME OFF	TOTAL TIME	LPM	VOLUME (LITERS)	FIBERCOUNT (f/m)	F/CC
9	FB	Field Blank								0	0.00
10	FB	Field Blank								0	0.00
11	PR	Todd Curtis (3077)	N/A	PAPR	9:17	5:10	473	2	946	10	.0052
12	PR	Ken Lindes (8950)	↓	↓	9:12	5:12	480	↓	960	13	.0066
13	PR	Amy Tolley (7632)			9:05	5:21	496		992	16	.0080
14	Area	Clean Area			7:42	5:21	579		1158	5	.0021
15	Area	Northwest End of Property			7:46	5:05	559		1118	9	.0040
16	Area	Fence Behind Rayon Staple Plant			7:53	5:16	563		1126	12	.0052
17	Area	North East Corner	↓	↓	8:01	5:02	541	↓	1082	15	.0070
18	Area	Pole Beside Power House			8:10	5:26	556		1112	19	.0084

REMARKS:

SAMPLE TYPE: AM - AMBIENT, CL - CLEARANCE, EXEC - EXCURSION, IA - INSIDE AREA, OA - OUTSIDE AREA, PR - PERSONAL, FB - FIELD BLANK  
 RESPIRATORY PROTECTION: 1/2 - HALF FACE, F - FULL FACE, PAPR - POWERED AIR PURIFYING RESPIRATOR