Site Characterization Report

MacDermid Incorporated

526 Huntingdon Avenue
Waterbury, Connecticut

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Abbreviations and Acronyms

AOC	Area of Concern
ESA	Environmental Site Assessment
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
COCs	Contaminants Of Concern
COPECs	Chemicals Of Potential Ecological Concern
CPAH	Total Carcinogenic PAHs
CSM	Conceptual Site Model
CTDEP	Connecticut Department of Environmental Protection
CGS	Connecticut General Statues
EDR	Environmental Data Resources, Inc.
ELUR	Environmental Land Use Restriction
EPA	United States Environmental Protection Agency
ERA	Environmental Risk Assessment
ETPH	Extractable Total Petroleum Hydrocarbons
GB PMC	Pollutant Mobility Criteria
GPS	Global Positioning System
GWPC	Groundwater Protection Criteria
IC/DEC	Industrial Commerical Direct Exposure
IC/GWVC	Industrial Commerical Groundwater Volatilization Criteria
LEA	Loureiro Engineering Associates
LUST	Leaking Underground Storage Tank
LNAPL	Light Non-aqueous Phase Liquids
MDL	Method Detection Limit
MCC	Media Closure Criteria
MTBE	Methyl Tert Butyl Ether
MOH	Metal Hydroxide
NAPL	Non-aqueous Phase Liquids
PAH	Polycyclic Aromatic Hydrocarbon
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethylene
PID	Photoionization Detector
PVC	Polyvinyl chloride
QAAP	Quality Assurance Procedure Plan
QA/QC	Quality Assurance/Quality Control
QC	Quality Control
RCRA	Resource Conservation Recovery Act
RCSA	Regulations of Connecticut State Agencies
RES DEC	Residential Direct Exposure Criteria
RES GWVC	Residential Groundwater Volatilization Criteira

Abbreviations and Acronyms (cont.)

RSRs	Remediation Standard Regulations
SPLP	Synthetic Precipitate Leaching Procedure
SWPC	Surface Water Protection Criteria
SVOC	Semivolatile Organic Compound
SWMU	Solid Waste Management Unit
TCA	Trichloroethane
TCE	Trichloroethylene
TSDF	Treatment, Storage, And/Or Disposal Facilities
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound
WWTS	Wastewater Treatment System

MEASUREMENTS

mg/cm^2	milligrams per square centimeter
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
ppb	parts per billion
ppm	parts per million
ug/L	micrograms per liter
ug/m	microgram per meter

Executive Summary

On September 28, 2007 the CTDEP issued MacDermid, Inc. a Stewardship Permit designed to streamline regulatory closure of the site. The Stewardship Permit regulates and authorizes MacDermid, Inc. to complete environmental investigation and cleanup. A work plan was prepared by MacDermid to address the environmental investigation component. The objective of this investigation was to move the site towards cleanup and eventual productive reuse.

This report describes the implementation of the work plan. The work plan was implemented in full. The work plan was composed of five main activities.

The first activity was site-wide groundwater monitoring. Twenty-six monitoring wells were sampled including 16 existing and 10 new monitoring wells. Groundwater flow direction in the South Parcel is inferred to move to the south - southeast. Groundwater flow direction in the North Parcel is inferred to travel from north to south consistent with the surface topography.

The second activity was the closure of Resource Conservation and Recovery Act (RCRA) areas. MacDermid has closed four of the areas in the Part B Permit under individual closure documentation. Efforts to close the remaining RCRA area, Area D, have been initiated, and are nearly completed.

The third activity was to perform a scoping level ecological risk assessment. This scoping level assessment included completing a checklist provided by the United States Environmental Protection Agency (EPA). The Scoping-level Environmental Risk Assessment (ERA) suggests additional activity related to soil piles in AOC-A. Excavation of the soil piles is anticipated and will address the ecological exposure pathways.

The forth activity was annual stormwater sampling. MacDermid performed the sampling in accordance with the requirements of their recently updated stormwater plan. No parameters measured exceeded general permit effluent guidelines.

The final activity was to address all remaining areas of concern (AOC) for the site developed over many years. We recommend closure of 17 AOCs, and remedial action at six AOCs. Individual remedial recommendations are provided in Section 8 of the document.

It is anticipated that this investigation provides sufficient documentation to move the project towards the remedial phase of the Stewardship Permit.

1. Introduction

1.1 Site Characterization Objectives and Report Organization

The objective of this Site Characterization (SC) investigation was to refine and eliminate data gaps within the Conceptual Site Model (CSM). Areas of concern (AOC) are to be addressed through remedial investigation. The ultimate objective was to move the site towards remediation and eventual productive reuse.

The investigation followed a Scope of Work prepared by GEI titled, "Site Characterization Work Plan MacDermid Incorporated" (Work Plan) dated April 2008. The Work Plan provides a preliminary CSM based upon a distillation of decades of environmental data, reports and correspondence regarding the site. Additionally, the Work Plan identified data gaps for each of the areas of concern (AOC) identified in the September 2007 Stewardship Permit (the permit).

Implementation of the Work Plan was intended to provide sufficient data to assess if a release to the environment had occurred at each AOC. If the data and CSM did not support a release, the report provides documentation to close this AOC. If however, a release was indicated, the report provides data to support a plan for remedial action.

The remainder of this section provides the Site background and setting. Section 2 provides the federal and state regulatory criteria applied to the site. Section 3 provides the CSM used as a basis for the Work Plan. Section 4 provides the results of the sampling conducted under these five activities:

- Site-Wide Groundwater Monitoring (Section 4.1)
- Closure of Waste Management Units (Section 4.2)
- Scoping-level Ecological Risk Assessment (Section 4.3)
- Site-Wide Stormwater Monitoring (Section 4.4)
- Areas of Concern (Section 4.5)

Section 5 of this report describes the rationale and deviation from the Work Plan. Section 6 provides an assessment of the data collected and Section 7 provides a discussion of the refined CSM and recommendation of future remedial activities.

1.2 Site Description

The Huntingdon Avenue facility is located at 526 Huntingdon Avenue in Waterbury, Connecticut (Figure 1) and includes two parcels of land separated by Huntingdon Avenue (Site). The first parcel, located on the southern side of Huntingdon Avenue, encompasses approximately 11 acres and is referenced as the main Huntingdon Avenue facility or South Parcel. This parcel contains three interconnected buildings with a total footprint of approximately 182,500 square feet. Individually these buildings are referred to as the Gear Street Building, East Aurora Street Building, and the Huntingdon Avenue Building (Figure 2). According to historical research, the Huntingdon Avenue Building and Gear Street Building were built prior to 1921. The East Aurora Building, connecting the two other buildings, was built in the 1980s.

The second parcel, located to the north of Huntingdon Avenue, encompasses approximately 30 acres and is referenced as the North Parcel. The North Parcel is primarily covered with native vegetation. Two paved areas are located in the southern and southeastern portions of the North Parcel. The first paved area is located immediately along the north side of Huntingdon Avenue and was used for parking by employees of the MacDermid facility. The second paved area, located approximately 400 feet north of Huntingdon Avenue, serves as an asphalt cap to a former impacted soil disposal area. This asphalt capped area, constitutes AOC-A, and was investigated during this characterization and is discussed in Section 4.

1.3 Site History

Earliest records indicate the Site was owned by the Metal Specialty Company. Documentation of the site manufacturing products or dates of operation have not been found. Property records indicate that prior to 1916, the Waterbury Steel Ball Company occupied the Gear Street Building and the Carroll Wire Company occupied the Huntingdon Avenue Building. From 1916 to 1928, both buildings were owned and operated by the Waterbury Steel Ball Company (City of Waterbury, 2008). MacDermid began manufacturing operations at the Site from 1930 to 2002. MacDermid leased the property from the Waterbury Steel Ball company from 1928 to 1950. MacDermid purchased the property in 1950.

Aerial photography indicates a lagoon was added between 1970 and 1975 west of the Huntingdon Avenue Building. This lagoon and a second adjacent lagoon were used for the disposal of organic and inorganic process waste. The lagoons were removed between approximately 1980 and 1986 and the East Aurora Street Building was constructed to connect the two existing buildings.

The Site remained generally unchanged from 1986 to 2002. MacDermid ceased industrial operations at the Site on December 31, 2003. A portion of the East Aurora Street Building has most recently been rented for commercial storage of electrical equipment.

1.4 Environmental Setting

The Site is located within a mixed industrial, residential and commercial setting. Since the early 1900s the site has been used for industrial activity. There are no environmental land use restriction (ELUR) instituted for the Site.

Groundwater
Depth to groundwater varies dramatically between the North and South Parcel. The North Parcel contains groundwater less than five feet below ground surface. Groundwater generally flows south towards Huntingdon Avenue.

The South Parcel has groundwater at a depth of between 30 to 40 feet below ground surface. Groundwater in the shallow overburden generally moves in a south-southeasterly direction towards the Naugatuck River.

Groundwater in this area is classified as GB, indicating that some level of impacts are probable and would require treatment before being used as a public water supply (CTDEP, 1987).

The Site and surrounding properties have public water available through the Aquarian Water Company. A receptor survey was conducted by Loureiro Engineering Associates, Inc. (LEA) as part of their *"Current Human Exposures under Control"* document (LEA, 2005). They researched the findings of a previous receptor survey conducted by HRP, Inc. in 2001. This 2001 document stated that several water supply wells existed within a one-mile radius of the Site. LEA's report indicated that all of these wells are used for industrial purposes and not for potable water supply (LEA, 2005).

Surface Water
The South Parcel slopes gently to the southeast and towards the Naugatuck River. Surface runoff from the Site flows into catch basins and is conveyed to Steele Brooke located approximately 900 feet to the southwest. Steele Brooke joins the Naugatuck River approximately 1,000 feet to the South. The Naugatuck River is classified" C/B" by the Connecticut Department of Environmental Protection (CTDEP), indicating that the water quality in the river is impaired. The federal emergency management agency flood insurance rate maps for Waterbury indicate that MacDermid is located in Zone C, not prone to flooding.

Surficial Soils

The 1992 United States Geological Survey (USGS) Surficial Materials Map of Connecticut depicts surficial materials as consisting of alluvium overlying sand. The unconsolidated vadose zone soils beneath the Site range from grey brown and brown, fine to coarse sand with traces of gravel; a fill layer consisting of medium to coarse sand and building debris was identified in some boring locations to depths of approximately five feet below grade; to heterogeneous glacial outwash material (sub-rounded cobbles, gravels, and coarse-grained sand). These vadose zone deposits overlie a very uniform deposit of fine to very fine sand and silt that was encountered at a depth of approximately 17 to 60 feet below ground surface.

Bedrock

According to the *1967 USGS Bedrock Geologic Map of the Waterbury Quadrangles*, the Site is underlain by the *Hitchcock Lake Member* of the *Hartland Formation*, described as an assemblage of quartz feldspathic granulites and micaceous feldspar-quartz gneisses and schists. Bedrock in the North Parcel is shallow with observed exposed outcroppings. Bedrock in the South Parcel has been encountered at depths of approximately 40 to 60 feet.

2. Regulatory Criteria

On September 28, 2007 the CTDEP issued MacDermid, Inc. a Stewardship Permit designed to streamline regulatory closure of the Site. The Stewardship Permit regulates and authorizes MacDermid, Inc. to complete environmental investigation and cleanup ("closure" and "corrective action" measures) in accordance with Connecticut General Statutes (CGS) Sections 22a-6, 22a-449(c) and 22a-454, and Section 22a-449(c)-II of the Regulations of Connecticut State Agencies (RCSA). The regulations within these statutes which address site remediation criteria are referenced as the Remediation Standard Regulations (RSRs). Additionally the permit addresses areas outside the RSRs that include ecological risk and public participation. Combined, these items conform to the requirements of Resources Conservation and Recovery Act (RCRA) Corrective Action requirements of 40 CFR 264 Subpart F.

This investigation was solely based on identifying releases to the environment from 25 potential Areas of Concern (AOCs) identified in the permit. Generally, a release is indicated by detections above RSRs. Comparisons of analytical data to RSR criteria in this report are solely for reference and relative comparison and do not imply regulatory compliance. Compliance with the RSRs can depend upon several factors in addition to conformance with published numeric criteria.

The Site is also currently regulated under RCRA as a generator and a treatment storage and disposal facility (TSDF) of hazardous waste even though waste management activities have ended when the site closed. Because certain prior operations were permitted under RCRA for hazardous waste storage and recycling, the hazardous waste management units regulated by the RCRA operating permit must be closed in accordance with 40CFR 264 Subpart G. Closure plans were submitted by LEA and accepted as part of the Part B Permit Renewal application of 1999 (with modifications) (LEA, 2004). This report discusses the implementation status of these closure plans.

2.1 Resource Conservation Recovery Act (RCRA)

During active operations there were nine storage or recycling facilities regulated under RCRA. All RCRA waste generation and handling activities have ceased at or before December 2003. Additionally, the nine RCRA units have been either been closed or are in the process of documenting closure. Section 4.2 provides a summary of the RCRA regulated waste management closure activities.

In addition to the nine hazardous waste management facilities the entire site is subject to corrective action requirements under RCRA. Corrective action requires the identification of solid waste management units (SWMUs) across the entire site. A SWMU is inclusive of the RCRA regulated units discussed above but also includes any other area where solid waste may have been released. Twenty five SWMUs were identified in the Stewardship Permit as Areas of Concern.

Some of the RCRA regulated closure areas are located near or over areas impacted by other non-RCRA AOCs. This situation confounds the determination of the precise degree and extent of soil and groundwater impacts from either unit. Accordingly, the RCRA regulated closures address only impacts to the media directly in contact with the waste (e.g. the concrete) and adjacent media where it is apparent a release has originated from the RCRA unit. Residual impacts to the soil and groundwater, proximate to the RCRA unit but not definitively linked to a release, will be addressed as part of the site-wide corrective action process.

2.2 Connecticut Soil Standards

Future remedial activities at the Site must address three soil criteria: residential direct exposure criteria (RES DEC), industrial commercial direct exposure criteria (I/C DEC) and pollutant mobility criteria for GB areas (GB PMC). Tables 2 and 3 provide a comparison of soil collected during this investigation to these standards.

Direct exposure criteria address risk exposure based on exposure to contaminated material by routes of ingestion, inhalation, or dermal absorption. Both RES DEC and I/C DEC standards are applicable until an ELUR has been instituted for the Site. In consideration of the long history of industrial use at the site it is likely that I/C DEC with an ELUR will be the target remediation level for the South Parcel. At the undeveloped North parcel RES DEC may be more applicable to facilitate a broader range of future productive re-use options.

The GB PMC criteria provide a threshold concentration of a constituent above which concentrations could theoretically leach out and impact groundwater in a GB classified area. The leaching of metals is of particular concern for the Site. Mass concentrations of a metal detected at 20 times the GB PMC prompted additional analysis for synthetic precipitate leaching procedure (SPLP). The results of the SPLP analysis are provided when performed as a comparison to the GB PMC.

2.3 Concrete Standards

There are no RSR standards for concrete. Table 4 provides the concrete chip samples compared to the RES DEC, I/C DEC, and GB PMC. These comparisons are strictly for screening purposes to assess if the concrete has been impacted and subsequent investigations

of underlying soil provide evidence of transmission through the concrete. Exceedances of these standards do not imply requirements during remediation.

2.4 Connecticut Groundwater Standards

Applicable criteria under the Connecticut RSRs for areas where groundwater is classified as "GB" includes the Surface Water Protection (SWPC), Residential Groundwater Volatilization Criteria (RES GWVC) and Industrial/Commercial Groundwater Volatilization Criteria (I/C GWVC). Tables 7 and 8 provide the groundwater analytical data compared to these numeric criteria.

The SWPC stipulates that the average concentration of contaminants within a groundwater plume which discharges to a surface water body, or the concentration of contaminants within the portion of the plume immediately up-gradient of the surface water body, must be lower than the SWPC for that specific constituent. The SWPC criteria provided for comparison are the non-site specific criteria presented in the RSRs.

A site-specific SWPC was calculated by LEA (LEA, 2005). The site-specific SWPC contains a dilution factor of 41.7. Under RSR guidance, each published SWPC non-site specific constituent can be multiplied by the dilution factor to attain groundwater cleanup.

Comparison of the groundwater analytical data was also made to the proposed RES GWVC and I/C GWVC within the document, *Proposed Revisions, Connecticut's Remediation Standard Regulations, Volatilization Criteria,* prepared by the Permitting, Enforcement and Remediation Division, Bureau of Water Management, CTDEP, dated March 2003. The Volatilization Criteria were developed to address the potential for Volatile Organic Compounds (VOCs) volatilized from groundwater to migrate through the unsaturated zone to the ambient air at concentrations that would pose an unacceptable risk to occupants in a building. The proposed RES GWVC and I/C GW VC were evaluated since there are currently no ELURs instituted at the Site.

The CTDEP's proposed Volatilization Criteria were prepared to be more consistent with the EPA Draft Guidance Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soil that was issued in November 2002. These CTDEP-proposed changes specify that the GWVC would apply to locations where groundwater is within 30 feet of the ground surface beneath a building. Volatilization of contaminants in groundwater into buildings is greatly reduced for the Site since groundwater is approximately 30 to 40 feet below grade.

3. Conceptual Site Model

The Site has undergone multiple site assessments, regulatory actions, and on-going monitoring. The CSM considers these past activities and reports. The basis of the CSM was presented in the Work Plan which summarized past data for known AOCs, described potential pathways from each AOC and identified data gaps. The Work Plan provided justification and rational for proposed activities and a strategy to eliminate remaining data gaps. The AOCs were also listed within the Stewardship Permit. Section 4.5 provides a discussion of the investigation of the AOCs, historic context, and relevance of the data collected.

Table 1 provides the CSM prior to this investigation and the sampling objectives to address the data gaps. Each data gap identified in the Work Plan is listed in Table 1 under the column heading of Sampling Objectives to Address Data Gaps.

4. Site Characterization Scope of Work

4.1 Site-wide Groundwater Monitoring

Site-wide groundwater monitoring has been performed on the Site (North and South Parcel) since the late 1980s. In November 2002, LEA provided documentation and an application to the EPA for Environmental Indicators - Migration of Contaminated Ground Water under Control. The documentation was approved in 2008 based in part on quarterly ground water monitoring data provided in 2007 and 2008 that showed no significant variations from the historical data set.

Subsequent to the determination of groundwater under control, a site-wide groundwater monitoring of functioning on-site wells was conducted as part of this investigation. Twenty-six monitoring wells were sampled including 16 existing and 10 new monitoring wells. Newly installed wells were surveyed and developed prior to sampling and in accordance with the approved Quality Assurance Procedure Plan (QAPP).

Table 5 provides surveyed elevations and water level gauging data for all wells. If present, light non-aqueous phase liquid (LNAPL) thickness was measured using an interphase probe. Figure 6 provides the groundwater elevations of all the wells screened in the shallow aquifer used to calculate inferred groundwater flow direction. Groundwater flow direction in the South Parcel is inferred to move to the south - southeast. This assessment is consistent with previous investigations. MW-26 was not used in the calculation because it contained measurable LNAPL and likely depressed the groundwater table.

Groundwater flow direction in the North Parcel was not plotted because there are only two wells. However, flow is inferred to travel across AOC-A from north to south consistent with the surface topography.

Wells were sampled using low-flow methodology consistent with the QAPP. Table 6 provides the final stabilization data collected prior to sample collection. The analytical results of the groundwater sampling are provided in Table 7. Section 4.5 provides the groundwater results within the context of the individual data quality objectives and AOCs.

Table 8 provides a summary of historic groundwater data. Analytical data for seven previous sampling events, dating back to 2001, are provided in this table. Prior to this sampling event, GEI personnel have collected site-wide groundwater data in December 2007 and April 2008.

4.2 Summary of Closure of Waste Management Units

This facility is currently regulated under RCRA as a generator and a treatment storage and disposal facility (TSDF) of hazardous waste. However, waste generation and handling activities have ceased.

In August 1994, the Huntingdon Avenue facility of MacDermid received a permit (No. HWM-151-028) from the CTDEP to operate nine hazardous waste management units. In February 1999, MacDermid submitted an updated Hazardous Waste Part B Permit Application to the CTDEP for review and approval. As a result of changes in MacDermid's operations, this permit application requested a final RCRA and Connecticut General Statutes (CGS) Section 22a-454 operating permit for a reduction to five hazardous waste operating areas.

The Stewardship Permit includes these RCRA regulated units and address closure of these areas in accordance with the previously approved Closure Plan. The approved Closure Plan is dated December 5, 2002 and is titled "*Closure Plan Modification for MacDermid Incorporated Hazardous Waste Storage Areas*" with revisions dated January 24, 2003 and March 7, 2003. Accordingly, the primary objective to address the RCRA regulated units as presented in the Work Plan is to implement the approved closure plans, document the closure activities and certify the completion per 40 CFR 264.115.

MacDermid has closed four of the five RCRA areas in the Part B Permit under individual closure documentation. Efforts to close the remaining RCRA area, Area D, have been initiated, and are nearly completed. The concrete floors in the area were cleaned by EQ Environmental. A subsequent round of concrete chip sampling of the floors identified additional constituents of concern within the concrete. MacDermid has requested for additional Media Closure Criteria (MCC) for these substances. A decision is pending from CTDEP. Additional cleaning of the concrete floor is anticipated. Closure documentation for this area will follow.

The following table provides the reference to closure documentation and AOC designation based on the original 1994 permit. Closure activities of the RCRA areas are further discussed in relation to individual AOCs in Section 4.5.

RCRA Regulated Waste Management Unit	*Closure Documentation*	*Area of Concern*
Main Container Storage Area	GEI. *RCRA Closure Report, Main Container Storage Area (Area A), Quality Control (Area B).* November 2008.	AOC-G
Quality Control (QC) Waste Staging Area	GEI. *RCRA Closure Report, Main Container Storage Area (Area A), Quality Control (Area B).* November 2008.	AOC-G
Combustible Storage Area	HRP. *RCRA Closure Summary for Former Hazardous Waste Storage Areas.* January 2001.	AOC-K4
Metal Hydroxide/Sulfide Sludge Area	Charter Oak, Environmental Services, Inc., "*Closure Report and Certification, Hazardous Waste Storage Area E.* December 2008.	AOC-E2
Bulk Copper Tank Storage Area	Charter Oak, Environmental Services, Inc., *Closure Report and Certification, Hazardous Waste Storage Area C.* December 2008.	AOC-E3
Bulk Spent Copper Etchant Recycling Area	GEI Consultants, Inc. has conducted sampling of the area and has a closure plan drafted. An approval for a request for additional MCC is pending with CTDEP.	AOC-E4
Flammable Material Storage Area	HRP. *RCRA Closure Summary for Former Hazardous Waste Storage and Recycling Areas.* January 2001.	AOC-K1
Spent N-Methyl Pyroidone (NMP) Recycling Area	HRP, *Closure Certification for the Former NMP Recycling Area.* September 2002.	AOC-K2
Spent Solder Stripper Recycling Area	HRP, Closure Certification for the Former Spent Solder Stripper Recycling Area. September 2002.	AOC-K3

4.3 Ecological Risk Assessment

An Ecological Risk Assessment (ERA) was performed as outlined in the Work Plan and consistent with the CTDEP Site Characterization Guidance Document (CT DEP, 2007). The ERA evaluated the potential ecological risks due to site-related activities. The process encompassed the following steps:

- A review of existing analytical data
- A review of ecological information and site reconnaissance
- Completion of a scoping-level decision worksheet

Carolyn Casey of US EPA provided GEI with an EPA – New England RCRA Corrective Action Ecological Receptor Exposure Pathway Scoping Checklist. This document provided the template for completing a Scoping-level ERA fulfilling the requirements outlined by the CTDEP and the Work Plan. Appendix A provides the completed checklist and referenced documents. In addition, an ecological site survey was performed by GEI on November 12, 2008.

The Scoping Level ERA in the form of the EPA checklist identified no habitat suitable for local ecology at the South Parcel. This location provides appropriate engineering controls to prevent exposure of ecological receptors to potentially contaminated media, primarily subsurface soil, in this portion of the Site.

AOC-A (North Parcel) is located in an isolated region of successional forest, providing potential habitat for ecology. The paved cap, provided it is properly maintained, provides a barrier to potential exposure of ecological receptors to surface soil or migration of subsurface contaminations. The piles located adjacent to the paved cap provide an area of potential exposure, and therefore should be removed.

The Scoping-level ERA suggests a Screen-level ERA of the soils piles in AOC-A and sediments and surface water of Steele Brook be performed to identify potentially complete ecological exposure pathways in these areas related to the Site. This assessment provides such data for AOC-A. Anticipated remediation of the impacted soils will address the ecological exposure pathways.

4.4 Site-wide Stormwater Monitoring

Stormwater sampling was conducted on September 3, 2008 by LEA in accordance with the requirements of MacDermid's recently updated stormwater plan.

Appendix B provides the results of the sampling. No parameters measured exceeded general permit effluent guidelines for sites with industrial activities initiated prior to 1997. These guidelines are provided in CTDEP's *General Permit for the Discharge of Stormwater Associated with Industrial Activity*, reissued October 2007. MacDermid is preparing to conduct its annual sampling and reporting for the 2009 season.

4.5 Summary of Areas of Concern

Each AOC was addressed through soil borings and groundwater sampling. With a few exceptions, the discussion of the environmental quality of the Site is limited to each AOC. However, a site wide understanding of constituents found on the Site can be understood through the tables and figures.

Table 2 and Figure 3 provide analytical results and exceedances for the entire North Parcel. Table 3 and Figure 4 provide a comprehensive view of soil analytical results and exceedances for the South Parcel. Table 7 and Figure 7 provide a comprehensive presentation of groundwater quality in the South Parcel.

For each AOC discussed, a summary of relevant background information is provided. The work plan implementation provides tasks performed to address each data gap identified in the Work Plan. A recommendation of closure or remedial investigation or action is provided at the end of each AOC.

4.5.1 AOC-A, Sludge Disposal Area

4.5.1.1 Background

AOC- A is located within the North Parcel. Figure 3 provides the location of AOC-A in relation to the South Parcel. Current photographs, collected in June 2009, of the AOC are provided on Figure 3.

According to the TRC Company, Inc. (TRC), approximately 1,000 cubic yards of potentially contaminated soil excavated from the former metal hydroxide waste lagoons (AOC-E1) were deposited in AOC-A in the late 1970s (TRC, 1993). The Industrial Pollution Control Corporation reported material removed from the closed waste lagoons was mixed with sand and gravel to improve its load-bearing characteristics (IPC, 1986). According to this report, the material was placed in AOC-A and covered with clean fill. This layer of clean fill, of variable depths, was covered with nine inches of processed aggregate and three inches of bituminous asphalt in 1986.

Multiple soil piles of unknown origin surround the asphalt cap and are overgrown with vegetation. No additional releases or soil disposal activities are known to have occurred within this AOC.

The purpose of the investigation in AOC-A was to better define and characterize the materials under the asphalt cap as well as the characteristics of the soil piles deposited immediately surrounding the cap.

4.5.1.2 Work Plan Implementation

1. Assess the nature and extent of the surrounding soil piles.

The origins of the soil piles in the vicinity of the capped area are not known. They were deposited after the former lagoons were closed and the cap installed. It is possible they are piles of surplus soils remaining from various site construction activities. Samples were collected to characterize the soil to assess the need for off-site disposal.

Appendix C provides photographs of two soil piles sampled during this investigation. Five soil samples (SB-1 through SB-5) were sampled in accordance with the methods described in the Work Plan. No staining or odors were observed. Each pile was screened for volatile organic vapors using a photoionization detector (PID). No detections of organic vapors were recorded.

The results of the soil sampling are provided in Figure 3 and Table 2. Analytical results for SB-4 suggest the soil meet the CTDEP definition for clean fill. SB-1, -2, -3 and -5, however, contained elevated concentrations of metals (arsenic or lead) and petroleum. At least one parameter exceeded RES DEC from each of the four piles. These soils meet the definition of polluted fill and are subject to use restrictions based on CTDEP's current Solid Waste Regulations.

SB-5 was analyzed for hazardous waste characterization. Results indicated the material does not meet the hazardous waste criteria threshold as stated in the federal Resource Conservation and Recovery Act of 1976 (42 USC 6901 et seq.). Low concentrations of trichloroethylene (TCE), acetone, and polychlorinated biphenyls (PCBs) were detected. These detections suggest these soils were impacted by industrial activities.

The soil piles contained within this AOC should be managed as polluted soil and their use restricted under state regulations. We recommend these piles be removed and disposed of as part of an interim remedial action. Section 7 provides our recommendations for addressing this material.

2. Assess the condition of the asphalt cap and cover materials.

The objective of this investigation was to assess the adequacy of the asphalt cap and cover materials in preventing infiltration of surface water into the underlying material. Figure 3 provides three photographs of the cap. The cap is in fair condition with several prominent cracks measuring a half inch or greater in width. Vegetation is beginning to grow through the asphalt in these areas. The surface of the cap remains generally clear of objects with only limited debris (i.e. rocks and sand) and no obvious indications of staining.

Fifteen borings (SB-6 through SB-20) were installed throughout the cap (Figure 3). Boring logs are provided in Appendix D. Cross section elevations of these borings suggest the cap is generally flat with an asphalt layer less than four-inches thick (Figure 3).

Recovery was poor (less than 12 inches) in the first five feet due to blockage of the direct push sampling tubes. Lack of soil recovery hindered description of the soil profile below the cap. In the first five feet below ground, gravel and some cobble were visible, however, a defined gravel sub base or fill layer was not observed. The material from zero to five feet was primarily dry brown sand with some cobbles and gravel. No odors or staining were observed in any of the borings in the upper five feet.

Four borings extended from five to ten feet (SB-6, SB-7, SB-8, and SB-19). The soil from these borings remained sandy with increasing moisture content. Borings SB-7 and SB-8 contained material from eight to ten feet described as sludge since the material was saturated and with a high organic content. Blue-stained soil was observed at 5.8 feet below ground surface in SB-19, which was located along the southern edge of the cap. No other staining was observed between five to ten feet.

The fifteen samples collected throughout the cap were considered sufficient to address the data quality objectives of this investigation. In general, the cap appears to be adequate in reducing infiltration of surface water and casual contact of soil by workers and trespassers. Below the asphalt, no distinct aggregate or clean fill layer was observed. The upper five feet of material was dry, contained no evidence of mottling, and did not exhibit odors or staining. This may indicate the presence of clean fill.

The material below five feet was wet, dark, and high in organic material. The cracks in the asphalt are likely due to differential settlement of this material. The high moisture content of this material is likely to continue to shrink and swell over time and further degrade the quality of the cap.

The cap appears adequate to prevent surface water infiltration at this time. However, this cap will continue to degrade and an interim remedial measure to remove the cap and underlying material is recommended. Section 7 provides further discussion of this remedial measure.

3. Assess the type and volume of sludge material stored under the cap.

To achieve this objective, fifteen soil borings were installed throughout the cap generally oriented north to south and east to west (Figure 3). Visual observations of the material under the cap showed that it is predominantly soil with some blue-green staining that may be indicative of sludge residue.

The soils were analyzed for a wide suite of parameters. The following constituents were detected as industrial contaminants or constituents exceeding typical background concentrations. These compounds are considered a signature of the waste material and the contaminants of concern (COCs) for this AOC:

- Arsenic – four of four samples with a range from 5.2 to 15.9 mg/kg
- Cobalt – four of four samples with a range from 4 to 107 mg/kg
- Copper – four of four samples with a range from 51.6 to 24,400 mg/kg
- Lead – four of four samples with a range from 5 to 457 mg/kg
- Nickel - four of four samples with a range from 39 to 4320 mg/kg
- Cyanide – two of four samples with a range from 0.55 to 49.7 mg/kg.
- Tetrachloroethylene (PCE) – four of seven samples with a range from 0.0084 to 2.3 mg/kg

- ETPH – seven of seven samples with a range from 31 to 1900 mg/kg
- PCB Arochlor 1254 – one of two samples with a range from 0.35 mg/kg
- PCB Arochlor 1260 – one of two samples with a range from 0.54 mg/kg

All three applicable state soil remediation standards (GB PMC, RES DEC, and I/C DEC) were exceeded by at least one of the samples collected below the cap. The material below the cap is polluted by state regulations and has restricted use.

SB-6 and SB-19 were sampled for hazardous waste characterization. The results indicated the material below the cap is not characteristically hazardous. The material also does not meet the definition of a listed hazardous waste.

Two cross sections are provided in Figure 3 to assess the extent of contaminated material below the cap. For the purpose of this investigation, the limits of contamination were defined by samples with concentrations of metals, cyanide, Volatile Organic Compounds (VOCs), or Extractable Total Petroleum Hydrocarbons (ETPH) above applicable state standards (Table 3).

A cross section of the borings installed north to south is designated A to A' in Figure 3. Borings SB-13 and SB-18 fall generally on this transect but are not illustrated since poor recovery prevented characterization of the soil profile. Three samples were collected along this transect at samples SB-10, SB-12, SB-17, and SB-19. All of the samples were collected between two to six feet below grade.

Boring SB-10 was installed approximately ten feet from the northern edge of the asphalt cap. No analytes exceeded naturally-occurring concentrations; therefore, this sample is considered the northern extent of the contamination, which remains below the asphalt cap. SB-19 was installed approximately five feet from the southern edge of the cap. This sample contained exceedances of ETPH and cadmium as well as a detection of a PCB. For the purpose of this investigation, limits of contamination were approximated at the southern extent of the cap.

A cross section borings were installed east to west and designated B to B' in Figure 3. Boring SB-14 is not represented on the transect since sample recovery was poor and did not allow for a vertical profile to be generated. Three samples were collected along this transect at SB-7, SB-6 and SB-15. All of the samples were collected between two to five feet below ground surface.

Sample SB-7 was installed approximately 18 feet to the west of the edge of the cap and contained analytical concentration nearly identical to SB-10. No analytes were above standards or typical background concentrations. SB-7 is considered the western extent of the contamination. SB-15 was installed approximately 20 feet from the eastern edge of the cap.

None of the analytical results exceeded state regulatory standards. However, total chromium concentrations (2,150 mg/kg) and ETPH (170 mg/kg) concentrations are considered elevated and a potential indication that the contaminated material extends further to the east. For the purpose of investigation the eastern extent of the contamination is considered to be within the asphalt cap.

It was outside the scope of this investigation to delineate the full extent of polluted soil. However the results show the material is generally confined within the extent of the cap. Remediation of the polluted soil below the cap is recommend in Section 7. It appears that sufficient information is available to proceed with a remediation plan and approach for AOC-A.

4. Evaluate the need for securing the area of AOC-A from potential trespassers.

The risk to human health associated with AOC-A was initially addressed by the Environmental Indicator - Current Human Exposure under Control document (LEA, 2005). This assessment concluded that the exposure pathway via ingestion and dermal contact for trespassers was incomplete. This conclusion was based on two factors:

1) The potential source of exposure to the material was incomplete since the material was capped.
2) No exceedances of the RES DEC were noted for the four surface soil samples collected at the Site.

The asphalt cap continues to eliminate the exposure pathway to trespassers. However, the exposed soil piles contained lead and arsenic exceeding residential direct exposure standards. These concentrations represent a complete exposure pathway to trespassers.

Remediation of the soil piles is recommended as an interim remedial measure (Section 7).

5. Assess the effectiveness of the current groundwater monitoring system and presence of petroleum in the groundwater.

Two monitoring wells, MW-101 and MW-102, were installed in 1986 to assess the groundwater quality for this AOC. MW-101 is screened within the bedrock and appears to be hydrologically up-gradient of the asphalt cap (Table 5). MW-102 is located approximately 230 feet south of MW-101 (Figure 3) and appears down-gradient of AOC-A and MW-101. Historically, the groundwater monitoring program has included monitoring for VOCs, cyanide, and metals.

The extent of the AOC is well defined. Two wells, one up-gradient and one down-gradient, is sufficient to understand both the extent and temporal trends of groundwater contamination.

Table 6 provides a summary of this investigation's groundwater results for MW-101 and MW-102. Table 7 provides a complete set of historic analytical data collected from these wells since 2001.

During this round of groundwater sampling arsenic, detected in MW-101, was the only compound detected in this investigation above SWPC standards. The concentration of arsenic is consistent with previous sampling events and likely reflects contributions from naturally-occurring sources.

Metal concentrations in both wells have remained consistent through numerous sampling events over the last five years. Historically, MW-102 has contained exceedances of arsenic, lead, copper, and zinc. MW-101, down-gradient of the capped area, has contained exceedance of arsenic and copper.

Previous sampling events have not included analysis of total petroleum hydrocarbons. (TPH) ETPH was measured during this event and MW-101 and MW-102 contained ETPH in the groundwater of non-detect and 140µg/l, respectively. These concentrations do not exceed RSRs.

Section 7 includes a description of future remedial actions in this AOC.

4.5.2 AOC-B, 4,000-gallon No. 2 Fuel Underground Storage Tank

4.5.2.1 Background

This AOC is comprised of a 4,000 gallon No. 2 fuel oil underground storage tank (UST) located on the northern side of the South Parcel. The UST was installed in 1959 and removed in September 2000. This steel tank was cathodically protected and tested annually.

LEA preformed the oversight, sampling, and reporting of the UST removal in 2000. The closure sampling was done consistent with the CTDEP Sampling and Analytical Methods for Underground Storage Tank Closure guidance document (LEA, 2002).

Additional investigation was limited to groundwater monitoring of nearby wells to detect the presence of petroleum that may indicate a historic release. No additional soil sampling was warranted for this AOC since the tank had been removed and adequate documentation of the removal activities was reviewed.

4.5.2.2 Work Plan Implementation

1. The condition and operation records of the tank need to be reviewed.

No additional operational records were discovered.

2. Condition of the soil surrounding the UST may warrant assessment depending upon the outcome of the operating assessment.

Although no additional operating records were discovered, the tank closure sampling was performed in accordance with current CTDEP tank removal guidelines. The LEA documents are considered sufficient to document the soil conditions surrounding the UST.

We recommend the closure of this AOC.

4.5.3 AOC-C, Dry Chemical Silos

4.5.3.1 Background

This AOC consists of four upright 10,000-gallon steel silos standing on a raised concrete pad. These silos were used to store dry sodium carbonate, sodium metasilicate, and anhydrous sodium hydroxide. MacDermid had the silos removed in February 2008. No documented releases to the surrounding environment occurred from this AOC.

The purpose of this investigation was to identify any releases to the nearby shallow soil or groundwater caused by the release of chemicals during the loading and unloading of these silos.

4.5.3.2 Work Plan Implementation

1. Assess the condition of the soil beneath the silos

The objective of this investigation was to assess if the dry caustic material stored in the silos had leached into the soils directly below the pad or in the vicinity of the pad.

Appendix C provides photographs of the former chemical silos. The depth of the concrete pad is unknown, but assumed to be greater than two feet, since it bore the weight of the four large silos. The concrete pad is competent and is shown holding water with rust discoloration. No additional indications of staining or vertical penetration (large cracks or chips) through the concrete pad were observed. The competency of the concrete pad was assessed to be sufficient to prevent migration of the caustic material if it were released.

SB-47 was installed approximately 25 feet off of the tank pad (Figure 1). A boring log is provided in Appendix D. MW-47 was installed following the completion of the boring. No staining or odors were observed in the soil. The soil was a medium to fine sand with increasing fines at increasing depths. The water table was encountered at 27 feet below ground surface. SB-47 was collected immediately above the groundwater table at 25 feet below ground surface. No constituents were detected above naturally-occurring concentrations. No indications of a release to the soil were noted during this investigation.

2. Assess site-wide groundwater monitoring for anomalies in pH.

The objective of this investigation was to assess, through the measurement of pH, if a release of caustic chemicals had occurred. A release of sodium carbonate or sodium hydroxide would likely increase the pH of the soil and ultimately the nearby groundwater table. MW-47, located 25 feet down-gradient, based the inferred groundwater flow direction, from the tank pad. A historic spill of the caustic materials would likely increase the pH in the localized groundwater and be detected by MW-47.

As part of the low flow sampling process, purged groundwater was pH was continually monitored as a stabilization parameter (Table 6). MW-47 stabilized at a slightly acidic pH of 6.21. This value is consistent with site-wide pH concentrations and does not suggest caustic material entered into the groundwater affecting the groundwater quality in the vicinity of the tank pad.

Based on the soil results and pH of the groundwater, no evidence of a release was detected. We recommend closure of this AOC.

4.5.4 AOC-D1, Pilot Plant and QA/QC Labs and Small Packaging Area

4.5.4.1 Background

This AOC consisted of multiple aboveground process tanks with capacities ranging from five to 750 ga1lons. The pilot plant was moved to this northern extent of the Huntingdon Avenue Building from the Gear Street building in 1992. The plant made small 100-200 gallon batches of products for testing and customer samples. These tanks were used to manufacture various chemical mixtures used in the electronics and surface finishing industry. Operations ceased in 2002.

To prevent releases to the environment, the Pilot Room was constructed with a concrete floor which was sloped towards a collection sump. Historically, material within the collection sump were either containerized or discharged to MacDermid's industrial wastewater treatment system (WWTS).

This AOC also incorporated the two Quality Assurance / Quality Control (QA/QC) laboratories and small packaging areas formerly located in the northeastern extent of the Huntingdon Avenue building. Both areas are located above a sub-grade basement. Soil samples were collected within the basement below the concrete slab. Based on discussions with MacDermid personnel, the basement has historically been used for housing of water heaters, electrical boxes, and general storage and no areas of concern or releases are known to have occurred in this area.

The purpose of this investigation was to identify contaminant releases from the former pilot plant, QA/QC laboratory or packaging activities.

4.5.4.2 Work Plan Implementation

1. Presence of any cracks in the concrete with penetrations to the subsoil which would allow contamination by constituents of concern.

Photographs of the floors within the pilot plant and subgrade basement are provided in Appendix C. The floors in the pilot plant are competent with limited staining. The concrete slab in the basement is also in excellent condition with some rust coloring staining and dirt. No cracks greater than one-half inch thickness were identified. Soil sampling through the concrete floors indicated the thickness of the concrete floors were four inches in both the pilot plant and basement.

2. Extent of contamination to concrete by constituents of concern.

The floors in the Pilot Room or subbasement did not indicate staining or evidence of a release. Therefore, no concrete chip samples were collected from either area.

3. Establish if there has been any release through the concrete floor within this building if the concrete has been compromised.

One sample (SB-52) was collected through the concrete floor in the pilot room and two samples were collected with the subgrade basement (SB-54 and SB-55). An electric hand drill was used to core through the concrete floor. A hand auger was used to collect the soil samples. No VOCs or ETPH were detected below the subslab in any of the three samples. The detections of metals in all three samples were consistent with typical background concentrations.

Based on the competency of the concrete floor, lack of staining, and results of subslab soils, no evidence of a release was detected. We recommend closure of this AOC.

4.5.5 AOC-D2, Main Mixing Area

4.5.5.1 Background

This AOC consists of the main mixing area located in the Huntingdon Avenue building. The main mixing area was formerly used to blend copper-plating solution and repackage dry chemicals into small units for off-site distribution and sale.

To prevent releases to the environment, this AOC was equipped with a dust collector, epoxy-coated concrete floor and floor trenches

The floor trenches were connected to MacDermid's WWTS. Operations ceased in 2002.

The purpose of this investigation was to identify contaminant releases from dust migration, drum wash water, or other AOC activities.

4.5.5.2 Work Plan Implementation

1. Presence of any cracks in the concrete with penetrations to the subsoil which would allow contamination by constituents of concern.

Photographs of the main mixing area are provided in Appendix C. Dark staining of the floors were observed throughout the AOC. Standing water, as shown in the photographs, was also observed. Leaks from the roof and roof leaders allow water to collect in low spots on the floor. Water was observed in the floor trenches at the time of the investigation but did not exhibit an odor.

No cracks greater than one half-inch wide or staining was observed near the former location of the dust collector. Instead, concrete chip and boring samples were centered on two prominent cracks located approximately one-half inch wide noted near the center mixing area. These cracks did not appear to extend through the entire thickness of the concrete.

Concrete chip samples CC-03 and CC-04 and borings SB-50 and SB-51 were positioned near each crack (Figure 2). Proximate to these cracks were areas of dark staining. Two additional concrete chip samples were collected near the exit at areas of heavy staining. The concrete floor near these two chip samples appeared competent.

One monitoring well, MW-53, was installed within this AOC to assess soil quality and groundwater data. The three soil samples (SB-50, SB-51, and SB-53) were installed through the concrete floor. The concrete floor measured approximately four-inches thick.

2. Extent of contamination to concrete by constituents of concern.

The results of the chip sampling are provided in Table 4. As stated above, the four chip samples were collected in areas of heavy staining. All chip samples within this AOC were analyzed for metals, VOCs, cyanide, and ETPH. Cyanide was not detected in any of the samples. One VOC was detected in all four concrete chip samples. Styrene was detected in CC-03 above the reporting limit. Styrene was not detected in any other concrete or soil sample and is not considered a constituent of concern. The metal concentrations in both samples were relatively low and may indicate the aggregate used within the concrete.

ETPH was detected in all four chip samples. Petroleum concentrations ranged from 36 to 5,700 mg/kg. Despite the presence of total petroleum, no VOCs associated with petroleum

products were detected. This may indicate an older release that has weathered overtime. These laboratory results combined with the intermittent staining patterns suggest multiple low volume releases of petroleum over many years. The presence of standing water and rainwater infiltration also indicates the concrete surface may be periodically flushed. No known petroleum use within this AOC has been identified since industrial process ceased in 2002.

3. Establish if there has been any release through the concrete floor within this building if the concrete has been compromised.

SB-50, SB-51, and SB-53 were collected immediately below the concrete slab at a depth of 1.5 to 2.5 feet. No staining, odors, or organic vapors were detected during soil sampling. All three samples were analyzed for VOCs, total metals, cyanide, and CT ETPH. No elevated concentrations of contaminants or evidence of a release (i.e. staining) through the concrete floor was detected.

These results indicate that the concrete floor throughout this area has been impacted by petroleum. However, the concrete appears to be an effective barrier preventing migration of the petroleum to the subsoil and into the environment. As such, no releases to the environment were detected and we recommend closure of this AOC.

4.5.6 AOC-E1, Former Waste Lagoons

4.5.6.1 Background

AOC-E1 is comprised of two former lagoon areas used to store process waste. Figure 2 provides the approximate locations of these lagoons on the western side of the Huntingdon Avenue building. A review of a 1975 aerial photograph indicates one of the former lagoon areas was located beneath the Bulk Waste Loading and Storage Area and the Acid Tank Farm. This lagoon is referenced as the 1975 lagoon. The second former lagoon area, viewed in a 1980 aerial photograph, is located further to the west and is referenced as the 1980 lagoon.

In 1972, MacDermid installed a Waste Water Treatment System (WWTS) that segregated waste into two lagoons designated for inorganic and organic waste. The liquid portion of the lagoon was periodically discharged to catch basins (CTDEP, 1984a: CTDEP, 1987a). In 1978, an additional WWTS was installed removing the need for these lagoons. The two lagoons were excavated and the material removed. Documentation of the sludge disposal was not located. The former location of these lagoons is depicted in Figure 2 as the 1975 lagoon area.

From 1978 to 1980, the metal hydroxide sludge from the new WWTS was stockpiled in a new lagoon to the west of the former 1975 lagoon area. The approximate location is shown

in Figure 2 as the 1980 lagoon. In 1982 or 1983, this material was excavated and approximately 168 cubic feet were sent to the Archer Landfill in Shelton, Connecticut (CTDEP, 1987a). The impacted soils underlying these lagoons were excavated and placed in AOC-A.

1. Assess the degree and extent of the LNAPL at MW-108 and interim remediation of the LNAPL.

As part of this investigation, all Site monitoring wells were measured for the presence of light non aqueous phase liquid (LNAPL). During prior investigations, LNAPL was encountered in monitoring well MW-108. However, petroleum products were not known to have been managed in the lagoons and TPH is not a constituent of concern for this AOC. Regardless, the nature of the LNAPL warranted investigation.

MW-108 exhibited a petroleum-like sheen. The LNAPL thickness was less than 0.1 foot and could not be measured by either an interphase probe or bailer. LNAPL thickness in this well has fluctuated since 2001. The highest measured thickness measured in October 2006. The following table provides a summary of historic LNAPL measurement in MW-108.

Sample Date	***LNAPL Thickness (feet)***
February 8, 2001	0.5
February 12, 2001	0.3
August 2004	0.67
July 2006	0.48
October 2006	1.03
May 2007	0.1
December 2007	Less than 0.1
April 2008	0.4
July 2009	Less than 0.1

In 2001, a LNAPL sample was submitted to EAS Laboratories, Watertown, Connecticut for fingerprint analysis. According to EAS, the petroleum product is substantially similar to 30 weight motor oil.

MW-26 contained 1.5 feet of LNAPL and is positioned approximately 60 feet to the west of MW-108. MW-26 was installed as part of this investigation and is comparable to MW-108 in screened interval and well construction. The consistency and odor of the LNAPL was also similar to observations made at MW-108.

LNAPL was also measured in PZ-04, a piezometer, located approximately 65 feet west of MW-26. LNAPL was measured at 0.8 feet in this piezometer. The LNAPL thickness cannot be directly compared to the monitoring wells since the construction details are different.

The nearest well to the west is MW-112 which is approximately 240 feet from PZ-04. This well did not contain LNAPL.

Based on this round of sampling, the extent of LNAPL appears to be confined to the east and south by MW-109 and MW-36. The northern extent of the LNAPL did not extend to MW-32 and the western limit did not extend to MW-112.

A feasibility assessment for the remediation of the LNAPL is recommended in Section 7. The extent of the LNAPL will require further delineation during future remedial investigation.

2. Assess and characterize any residual waste or contaminated soils that remain in the buried lagoons. Assess the horizontal and vertical extent of the former lagoons.

The data quality objective of this investigation was to define the horizontal and vertical extent of residual waste, if any, of the two buried lagoons referenced as lagoon 1975 and 1980 in Figure 2. Boring logs are provided in Appendix D.

To investigate the former 1975 lagoon location, borings SB-23 and SB-24 were installed. To investigate the former 1980 lagoon location, borings SB-42 and SB-43 were installed. These four borings were positioned within the former lagoon footprints to assess the presence of potentially impacted soil.

During the investigation of the 1975 former lagoon area, boring SB-23 contained a soil profile which contained sand with gravel and less than 10 percent fines throughout the entire 15-foot boring. No odors, staining, or PID readings were observed. No evidence of a former lagoon or residual contamination was noted. Boring SB-24, also contained sand and gravel with little to no fines within the first five feet. However, the fines content increased from nine to 11 feet below ground surface and this material contained a slight odor. No PID detections were measured. From 11 to 15 feet, the fines diminished and the profile returned to sand and gravel.

A sample was collected from the impacted area in SB-24 and analyzed for VOCs, metals, cyanide, and ETPH. No VOCs were detected. ETPH was detected at 300 mg/kg and below the RES DEC. Metals analysis included elevated total chromium, nickel, and zinc. However, none of these metals exceeded state standards. The fine materials from nine to 11 feet provide the best potential indication of the remnants of the former lagoon. However, former lagoon waste or residual impacts from them would have expected to have much higher metal concentrations than found in this investigation.

To investigate the former 1980 lagoon location, borings SB-42 and SB-43 were installed through the building floor. Almost the entire former lagoon location was located under the

building and below the former copper etchant waste tanks and storage areas (AOC-E3) and RCRA-Area C.

Boring SB-42 was installed to ten feet with uniform stratum. The soil contained mostly sand, with gravel, and less than 10 percent fine material. No odors, staining or PID readings were recorded. Therefore, no soil samples were collected for analysis. No evidence of a former lagoon or residual contamination was noted.

SB-43 was collected after RCRA closure activities of Area C. The concrete floors had already been removed and soil excavation had occurred adjacent to SB-43. The sample was collected along the eastern wall of the excavation. The boring contained increasing fine material content from 5 to 12 feet below ground surface. A chemical odor was noted from 5 to 12 feet with a PID reading of 20 ppm of organic vapors. The fine materials lessened after 12 feet with no PID readings or odors from 12 to 15 feet.

A sample of the impacted material was collected and submitted for analysis of VOCs, metals, cyanide, ETPH. The results indicated the sample contained multiple chlorinated VOCs. One VOC, 1, 2-dichlorobenzene, exceeded RSR standards for GB PMC. ETPH was detected at 1,300 mg/kg above the RES DEC and cyanide was detected above the GB PMC. The sample included elevated copper and nickel but was below the RSR criteria for RES DEC.

The analytes detected in SB-43 are nearly identical to the contaminants found during the closure of RCRA Area C. This closure is discussed further in Section 4.5.7 which follows. Since the soil below the unit appears to be impacted by the former copper etchant storage tank activities, evidence of the former lagoon waste or residual contamination could not be confirmed.

The four samples discussed above were all collected within the footprint (based on aerial photographs) of the former lagoon locations. To further investigate the extent of residual lagoon materials, soil borings were installed immediately to the west and to the northwest of the 1980 lagoon area. Figure 5 provides cross sections and profiles of this investigation.

The field investigation identified a uniform layer of impacted petroleum soil ranging from 5 to 10 feet below ground surface to the west and north of the lagoons. Additional borings were installed to the west and north, which continued to demonstrate petroleum impacted soil at 5 to 10 feet below grade. Ball bearings and other scrap steel fragments were co-mingled with several petroleum impacted soil samples.

The cross sections C, D, and E, provided in Figure 5 provide the field observations of petroleum odors and staining in red along with sample depths and ETPH results. Seven samples of the impacted layer were analyzed for ETPH, VOCs, metals, and cyanide.

ETPH was detected in nine of the twelve samples with a range of concentration from 71 to 68,000 mg/kg. The highest detection 68,000 mg/kg was detected in SB-39 at a depth of six feet below grade. SB-39 is directly up-gradient of MW-108 and MW-26 and a likely source for the LNAPL found in both of these wells.

Lead appeared to be comingled with the petroleum impacted soil with detections in ten of the twelve samples with a range of concentration of 7.5 to 630 mg/kg. Cyanide was present in only one sample at a relatively low concentration (3.4 mg/kg). Various chlorinated VOCs were detected in two samples, SB-32 and SB-33, both located further west and in grass area up-gradient of the parking lot. The concentrations of these VOCs were all below RSR standards and slightly above laboratory reporting limits.

There does not appear to be significant residuals from the former lagoons. Figure 5 illustrates the widespread observations of petroleum and additional polluting substances along the western exterior property. The presence of ball bearings and lead in impacted soil suggest the likely source is from the previous ball bearing operations rather than the former lagoon operations.

Section 7 provides recommendations for further delineation during remedial investigation.

4.5.7 AOC-E2, Wastewater Treatment System (WWTS)

4.5.7.1 Background

The WWTS was used to treat wash waters and spills generated primarily from the copper etchant process area, main mixing area, pilot plant department, dry mix department, bulk waste loading and storage area and ink manufacturing area.

The Wastewater Treatment System (WWTS) consisted of the following components:

- Eight 15,000-gallon lined concrete batch treatment tanks.
- Four 15,000-gallon collection tanks.
- Two 3,000-gallon metal hydroxide (MOH) slurry tanks.
- One 4,000- gallon recirculation tank.
- One ultra-filtration unit.
- One 15-cubic foot filter press.
- One 26-cubic yard MOH sludge roll-off container.

Treated effluent was discharged to the city of Waterbury's sewage treatment facility (NPDES Permit # SP0000095) which authorized maximum discharge of 60,000 gallons per day.

Wastewater treatment activities were discontinued in May 2002. . In January 2003, LEA submitted a Closure Plan to the CTDEP

This plan was accepted by the CTDEP in February 2003, and the discharge permit was terminated.

4.5.7.2 Work Plan Implementation

1. Assess the status of closure of the RCRA regulated portion of this AOC and implement RCRA closure activities as needed.

The closure of the RCRA-regulated portion of this AOC included the removal of WWTS and the metal hydroxide/sulfide sludge storage area. The Closure Plan described removing the tanks, all residues from the tank systems, and ancillary equipment associated with the WWTS. These activities occurred prior the closure activities documented in the report titled, "Closure Report and Certification Hazardous Waste Storage Area E," conducted by Charter Oak and dated December 2008.

The closure report documents the removal and decontamination of the WWTS building structure, concrete floor, and underlying impacted soil. The building materials, concrete floor, and impacted soil are removed and transported off-site. Closure documentation of the soil excavation was performed and met media closure criteria below the regulated unit.

2. Assess the potential for this area to be a source of the surrounding groundwater impacts described in the history of release section.

The closure plan specifically identified the following COCs associated with this AOC: cadmium, chromium, nickel and cyanide. Initial soil samples collected beneath the building indicated chromium, cadmium, and lead in multiple soil samples above RSRs. These soils have since been removed with confirmation sampling indicating that all metal concentrations were below RSR criteria.

MW-109 is the most appropriate well to assess migration to groundwater from a release since it is approximately 40 feet to the southwest of the former WWTS building. MW-109 contained elevated concentrations of copper, nickel, and zinc. All three metals exceeded the SWPC criteria. These results are consistent with historic groundwater results collected from this well.

3. Assess residual impacts to the concrete floor.

The concrete floor below the structure was removed and transported off-site.

The closure report documents a release has occurred to the subsoil below the WWTS. These soils have been excavated with appropriate closure sampling. We recommend closure of this AOC since the contaminant source has been removed and adequately documented. Section 7 provides recommendations for additional groundwater monitoring of this and other areas. Any residual soil impacts that remain outside the footprint of the RCRA regulated unit will be addressed through the site-wide corrective action program under the Permit.

4.5.8 AOC-E3, Bulk Spent Copper Etchant Unloading and Bulk Storage Area

4.5.8.1 Background

This AOC is composed of two areas: the spent copper etchant unloading and bulk storage areas. The building housing the bulk spent copper etchant unloading and storage areas was constructed directly atop the site of the former 1978 sludge settling lagoon. The primary hazardous constituents associated with the spent copper etchant are: ammonia, arsenic, chloride, copper, chromium, lead, nickel, tin, and zinc. The start-up date for this AOC was estimated to be 1970.

The fully enclosed unloading area is equipped with a concrete floor which is sloped towards multiple floor trenches. The floor trenches were connected to the WWTS. A photograph of the loading area is provided in Appendix C.

The bulk storage area was used to manage spent copper etchant and considered to be a RCRA storage area while in operation. The AOC consisted of three 7,500-gallon aboveground tanks used to store spent copper etchant received from MacDermid's customers. Also one 3,500-gallon aboveground storage tank was used to store the process chemical sodium hydroxide and spent copper etchant if additional bulk storage capacity was needed.

The bulk storage area was equipped with an epoxy coated concrete floor, two feet seven inch high epoxy coated block-wall (south side), epoxy coated building walls (north, east, and west sides), and two collection sumps. Any material collected within the collection sump was pumped to the main collection sump and then pumped to the WWTS.

4.5.8.2 Work Plan Implementation

1. Assess the status of closure of the RCRA regulated portion of this AOC and implement RCRA closure activities as needed.

The RCRA regulated portion of this AOC has been certified closed and documented in the report titled, "Closure Report and Certification Hazardous Waste Storage Area C," conducted by Charter Oak and dated December 2008.

The bulk storage tanks were removed prior to the closure activities in 2007. The closure activities documented by Charter Oak included removal of two sump structures, removal of sections of the concrete floor, and soil excavation and disposal.

Visible discoloration was noted on soil associated with the two sump structures. Excavation of the stained soil was removed to a depth ranging from 3 to 12 feet. All excavation base samples met the MCC. Sidewall sampling of the excavation indicated residual chromium and chlorinated VOC contamination. Additional lateral excavation was not performed to prevent undermining the structural integrity of the building.

SB-43 was collected after RCRA closure activities of Area C. The sample was collected along the eastern wall of the excavation. The results indicated the sample contained multiple chlorinated VOCs. One VOC, 1,2-dichlorobenzene, exceeded RSR standards for GB PMC. ETPH was detected at 1,300 mg/kg above the RES DEC and cyanide was detected above the GB PMC.

2. Assess the potential for this area to be a source of the surrounding groundwater impacts.

MW-44 is located less than 20 feet directly down-gradient of this AOC. The sample collected from this well was analyzed for ETPH, VOCs, and metals. ETPH was not detected. One VOC, perchloroethylene (PCE), was detected slightly above the reporting limit. One metal, copper, exceeded SWPC criteria. PCE and elevated concentrations of copper were detected in the soil sample SB-43 indicating the soil in this AOC may be affecting the groundwater quality. MW-44 contains the highest concentration of copper on-site with attenuated concentrations found in down-gradient wells.

Residual soil contamination was found in this area and will be addressed during site-wide corrective action activities. Section 7 provides further recommendations for this area.

4.5.9 AOC-E4, Spent Copper Etchant Recycling Area

4.5.9.1 Background

This AOC was constructed in1970 and housed the recycling area for spent copper etchant. A portion of this area was considered a RCRA storage unit during operation. The primary hazardous constituents managed within this processing area are ammonia, arsenic, chloride, copper, chromium, lead, nickel, tin, and zinc.

The recycling operation formerly contained two aboveground stainless steel reactors, six aboveground ammonia scrub tanks, three aboveground product storage tanks, and various aboveground process chemical tanks. All the tanks from the RCRA regulated area have been removed. A few of the unused process tanks remain in the non-RCRA areas. All tanks within this area were located on an epoxy-coated concrete floor, which is sloped to a floor trench system. The floor trench system was connected to the WWTS.

No documented releases to the surrounding environment are known to exist for this AOC.

4.5.9.2 Work Plan Implementation

1. Assess the tank contents and characterize any residuals that may remain.

The process tanks are not part of the RCRA regulated portion of this AOC. The contents of the tanks have been inspected and no residual process materials remain.

2. Assess the status of closure of the RCRA regulated portion of this AOC and implement RCRA closure activities as needed.

Efforts to close the remaining RCRA area, Area D, have been initiated. The concrete floors in the area were cleaned according to the closure plan. Subsequent, concrete chip sampling was performed and additional polluting substances were detected. MacDermid has requested modification of the MCC for these substances. A decision from the CTDEP is pending. Additional floor decontamination is anticipated. Additional closure activities and documentation for this area are planned.

3. Assess the potential for this area to be a source of the surrounding groundwater impacts.

The nearest down-gradient well to this area is MW-36. This well is located approximately 80 feet due south of the AOC. The groundwater sample was analyzed for VOCs, ETPH, and metals. No ETPH was detected in the samples. Three VOCs, PCE, 1, 2, 4-trichlorobenzene, and trichlorofluoromethane were detected. All three compounds were detected at concentrations below SWPC and are not considered COCs for this AOC. Copper was the only metal exceeding SWPC criteria.

Copper has also exceeded the SWPC in wells up-gradient and side-gradient of this AOC. In fact, the concentration of copper is at the highest concentration in MW-44, which is located up-gradient of this AOC. Similarly, soils below the copper etchant bulk tanks (E-2) contained PCE and 1, 2, 4 trichlorobenzene at concentrations potentially leachable to groundwater.

4. Assess residual impacts to the concrete floor in the RCRA area and assess for cracks or impacted concrete in the non-RCRA areas.

Residual impacts to the concrete floor are being addressed and will be removed during additional RCRA closure activities. The residual impacts currently in the concrete are in part due to residue from the former epoxy floor coating.

The concrete floors in the non-RCRA area are competent with no cracks larger than one half inch observed. No sampling of the concrete outside of the RCRA closure activities is warranted.

Additional RCRA closure activities are warranted at this area. Section 7 provides recommendation and conclusions for closure of this AOC.

4.5.10 AOC-E5 Acid Tank Farm

4.5.10.1 Background

This area was used to store bulk quantities of the raw process chemicals: hydrochloric acid, nitric acid, hydrogen peroxide, and sulfuric acid. A maximum of 30,000 gallons of process chemicals were managed within this area at any time. The storage tanks were located outside the building on an epoxy-coated concrete base and surrounded by a two-foot-high epoxy-coated concrete berm. The tanks, berm, and collection sumps have been removed.

4.5.10.2 Work Plan Implementation

1. Assess the potential for this area to be a source of the surrounding groundwater impacts.

The tanks and former containment system have been removed and could not be assessed. No documented releases of the tanks were reported. Given the volume and contents of the tanks, a catastrophic failure of one of the tanks would have prompted a reportable condition.

Minor releases during filling operations, however, could have occurred. These spills would have been contained and conveyed to the WWTS. If a release migrated through the concrete slab, it would reduce the pH of the surrounding soils and eventually the nearby groundwater.

MW- 109 and MW-36 are located down-gradient of this AOC. Groundwater samples were collected from both wells and pH was measured during stabilization procedures. No pH anomalies were noted in groundwater collected from either well.

2. Assess the integrity of the concrete base.

Appendix C provides photographs of the concrete base formerly housing the acid tanks. The depth of the concrete pad is not known. The concrete pad contains multiple cracks and has been highly weathered. Areas of rust were observed on the concrete pad. No additional stains were observed. The competency of the concrete pad was judged to be poor. However, the area has been unmaintained and exposed to the weather since the cessation of operations in 2002.

Two concrete chip samples were collected from the pad: CC-9 and CC-10. These chips were sampled for VOCs, cyanide, metals, and ETPH. ETPH was detected in both samples but consistent with typical road runoff concentrations. Two VOCs, acetone and styrene, were detected in CC-9. Acetone was also detected in CC-10 and is likely a laboratory contaminant. The source of the low concentration of styrene has never been detected in nearby groundwater.

The investigation conducted in this AOC does not indicate a release. Therefore, we recommend closure of this AOC.

4.5.11 AOC-E6

4.5.11.1 Background

In November 1994, a mixture of contact cooling water and spent copper etchant was accidentally released to the Steele Brook via the stormwater collection system. It is believed that this release was caused by the vacuum generated from the piping system of a non-contact cooling water discharge. Upon discovery of this release, MacDermid removed the copper etchant from the 4,000-gallon storage tank and immediately contacted the CTDEP.

The CTDEP supervised the initial removal activities which included removing more than 30,000 gallons of water and copper etchant from Steele Brook. Following the removal activity, MacDermid hired HRP to sample the sediment within Steele Brook. The CTDEP supervised all remedial activities.

4.5.11.2 Work Plan Implementation

1. Compare previous sediment sampling to current ecological risk screening guidance.

Immediately following the release of copper etchant to the Steel Brook in 1994, MacDermid performed remediation and sampling activities. Eighteen sediment samples were collected by HRP in November 1994 and analyzed for copper, nickel, lead, and zinc. The results of this sampling were provided their report," December 1994 Steele Brook Naugatuck River Sediment Sampling Results". The CTDEP concluded that the remediation of the release was complete and the concentrations detected in the Steele Brook sediments acceptable. Sources of copper and other metals to Steele Brooke have been documented upstream from MacDermid. Additionally, the industries along East Aurora Street (i.e. scrap yard) have a potential to impact Steele Brooke. Accordingly, it is difficult to conclude that any residual impacts to Steele Brooke are related to MacDermid historical operations. We recommend closure of this AOC.

4.5.12 AOC-F, Former 6,000 Gallon UST (East Aurora Street Building)

4.5.12.1 Background

This AOC is comprised of one former 6,000-gallon UST which fueled the boiler room with No. 2 fuel. The tank and boiler house were removed from service in September 1998. The tank was difficult to access, located partially beneath the East Aurora Street building, and therefore was abandoned in place. The remaining heating oil was removed from the tank and the tank was cleaned and filled with Petrofill™ foam. Documentation for this tank closure activity was not available.

No documented releases to the surrounding environment are known to exist for this AOC.

4.5.12.2 Work Plan Implementation

1. Assess if there was a release from the former operational UST.

To assess if the soil has been impacted by residual petroleum, three borings were collected around the former tank location. Two exterior borings (SB-45 and SB-46) were installed to the east of the tank. One interior boring (SB-49) was installed to the west of the tank near the former boiler room operations. The exterior borings were analyzed for VOCs, Semivolatile Organic Compounds (SVOCs), and ETPH. Samples were collected at depths below ten feet to characterize soil conditions at or below the tank grave. The interior boring (SB-49) was analyzed for VOCs, SVOCs, ETPH, metals, and cyanide. This sample was collected at a depth of less than two feet below the concrete floor to characterize any contamination migrating through the floor.

Only one VOC was detected among the three borings. Trichlorofluoromethane was detected slightly above reporting limit and orders of magnitude below RSR criteria.

Petrofill™ contains trichlorofluoromethane as an active ingredient and is considered the source of the compound.

SB-45 also contained multiple PAHs and ETPH in excess of state standards. SB-46 collected less than 10 feet north and at approximately the same depth did not detect residual petroleum or PAHs.

SB-49 collected on the interior and to the west of the sample did not contain any detectable total petroleum, VOCs, or cyanide. Metal concentrations were consistent with naturally occurring concentrations.

MW-105 was installed in 1995 to assess, in part, if a release from former tank operations has occurred. Tables 6 and 7 contain the most recent and historic groundwater data collected from this well. No petroleum or petroleum-related compounds were detected in the most recent sampling event or during historic groundwater monitoring dating back to 1995.

The results indicate some residual petroleum staining exists near SB-49. The lack of petroleum detections in the groundwater and absence of petroleum in SB-49 or SB-46 suggest the contamination is limited to the soil and to a rather small spatial area. Section 7 provides a recommendation for future remedial investigation and action.

4.5.13 AOC-G East Aurora Street Warehouse

4.5.13.1 Background

The East Aurora Street warehouse was constructed in 1985. AOC-G consists of the main hazardous waste storage area, quality control area, finished product storage area, and the shipping/receiving area.

The main hazardous waste storage area was used by MacDermid for the storage of copper etchant solution in containers, process chemicals (excluding solvents) in containers, finished products in containers, wooden pallets, empty containers, and miscellaneous items such as scrap steel, office equipment, etc. This area constitutes Area A and subject to RCRA closure under the Stewardship Plan. Secondary containment was provided by an epoxy-coated concrete floor, building walls, thirty-eight inch high concrete berms and a 200-gallon collection sump. The material collected within the sump was pumped to the WWTS.

The quality control area, Area B under RCRA closure, was located immediately east of the main hazardous waste storage area and was used for performing spot tests on containers of spent copper etchant. Secondary containment within this triangular-shaped storage area was provided by an epoxy-coated concrete floor, building walls and three and one half-inch to 6-inch high concrete berms.

The finished product storage area and shipping and receiving areas were primarily used for product storage. Secondary containment was provided by an epoxy-coated floor and building walls. No floor drains are known to be located in either of these areas. The areas immediately outside this AOC are covered with asphalt.

4.5.13.2 Work Plan Implementation

1. The current RCRA closure plans for the two storage areas will be reviewed and plans made for their implementation.
2. Extent of contamination of concrete by constituents of concern. Some concrete chip sampling was conducted by LEA, but the sample results have not been thoroughly evaluated.
3. Presence of any cracks in the concrete with penetrations to the subsoil which would allow contamination by constituents of concern.

The Closure plan for RCRA areas A and B have been implemented, certified by a professional engineer, and documented into a report submitted to the Environmental Protection Agency in November 2008. The report was assembled by GEI and was titled, "RCRA Closure Report, Main Container Storage Area (Area B) Quality Control (Area B).

The objective of the closure was to complete the tasks described in the closure plan. Additional testing was also performed to assess if any further work is required under the RCRA Corrective Action requirements. The report concluded the soil meets MCC. and therefore, no remediation of soil is required to meet the RCRA Corrective Action requirements. Photos of the closure process are provided in Appendix C.

All closure tasks were completed, and both areas were certified closed by a Professional Engineer dated November 25, 2008.

- All former equipment was removed from the site.
- The concrete floor has been removed and transported off-site.
- Sub-soil below the concrete footprint of both RCRA areas met MCC.

As part of this investigation, two borings (SB-73 and SB-74) were installed southeast of the closure areas. Monitoring wells were installed in both wells (MW-73 and MW-74). The concrete floor measured approximately three inches in thickness and was not cracked or stained. The soil samples were collected immediately below the slab less than four feet below ground.

Both samples were analyzed for VOCs, metals, cyanide, and ETPH. No cyanide was detected in either sample. One volatile organic compound, PCE, was detected in both samples below state standards. PCE was also detected in soil samples collected during the RCRA closure activities. With the exception of total chromium, all of the metal concentrations found in both samples were consistent with typical background concentrations.

Total chromium, a constituent of concern for the area, was detected at orders of magnitude below the state standard but elevated from other metal samples collected from the site. Total petroleum hydrocarbons were detected in both samples. The sample for SB-74 exceeded the RES DEC but was below I/C DEC.

4. Continued evaluation of the site-wide groundwater system will better assess if there has been a release to groundwater.

Two monitoring wells, MW-74 and MW-73 were installed in AOC-G as part of this investigation. Both wells were sampled for VOCs, metals, and ETPH. No ETPH was detected. Chlorinated VOCs including PCE, trichloroethylene (TCE), and 1, 1, 1-Trichloroethane (TCA) was detected in both wells at similar concentrations. Only PCE exceeded state standards for SWPC. Metals, including chromium, lead, and nickel were detected but at concentration below state remediation standards.

These soil and groundwater analytical results suggest a release of chlorinated VOCs has affected the groundwater and underlying soils. However, the types of chlorinated VOCs detected are solvents which were specifically not handled at this AOC and not identified as COCs in the closure plan. Any further action for these groundwater constituents unrelated to this AOC will be addressed in the site-wide corrective action groundwater monitoring program.

The RCRA area of this AOC has been closed. Any potential sources of contamination in this area have been removed and we recommend closure of this AOC.

4.5.14 AOC-H, Flammable Material Rack Storage Area

4.5.14.1 Background

The Flammable Material Rack Storage Area was an outdoor storage area used to store containers of raw flammable chemicals. The containers were stored on a four-tier high drum rack system. Secondary containment was provided by a concrete floor and a three inch high concrete berm. The racks have been removed; only a concrete slab remains.

The AOC was investigated during GZA's Soil and Groundwater Investigation in 1995. During the installation of MW-112, GZA collected and analyzed the soil sample collected from 0.5 to 2.5 feet below ground. This sample was compared to RSRs with only the GB PMC exceeded for lead. The HRP 2001 report concluded the lead contamination may have been caused by the Waterbury Steel Company who occupied the Gear Street Building.

No documented releases to the surrounding environment are known to exist for this AOC. In the event of a spill or release outside this AOC's secondary containment area, the releases would flow towards the on-site catch basins.

4.5.14.2 Work Plan Implementation

1. Presence of any cracks in the concrete with penetrations to the subsoil which would allow contamination by constituents of concern.

Appendix C contains recent photographs of the concrete pad. The pad is competent, with no large cracks and no evidence of staining. As shown in the photograph, the pad retains water.

Two direct-push borings (SB-59 and SB-60) were installed through the pad. The pad was approximately three inches thick at both boring locations. No staining or discoloration was observed throughout the concrete material.

2. It is unknown if there were any releases to soil under or around the former storage area.

Soil samples collected from SB-59 and SB-60 were collected from one to two feet below the slab. Appendix D provides the boring logs. The borings were installed to five feet with petroleum staining and odors observed at 4.5 feet. Ball bearings and a moist silty layer were observed in both borings at approximately five feet below grade. The odor, soil texture, and presence of ball bearings are similar to what was observed in the AOC-E1 investigation.

Both samples were analyzed for VOCs, metals, cyanide and ETPH. No VOCs or cyanide were detected. Metals including lead were below RSR standards and consistent with typical background concentrations. ETPH was detected in both samples at concentrations less than 50 mg/kg.

There is widespread petroleum contamination from AOC-E1 around this AOC. No staining or odors were observed within the first few feet below the concrete slab. These results do not suggest that a release from the pad has impacted the immediate subsurface below the pad. However, the horizon below five feet is heavily contaminated as discussed in AOC E-1.

3. Continued evaluation of the site-wide groundwater system will better assess if there has been a release to groundwater

Based on this flow direction, MW-112 installed in 1995, would be the best indicator of groundwater impacts by activities at this AOC. No ETPH was detected in the groundwater sample. Low concentrations of chlorinated VOCs were detected in the monitoring well at concentrations below SWPC criteria. PCE and TCE are not flammable materials and not likely associated with the flammable storage operations which occurred at this AOC.
Soil and groundwater results do not indicate a release as a result of activities at this AOC. Therefore, we recommend the closure of this AOC. The residual soil and groundwater petroleum issues near this AOC will be addressed through further investigation and remediation of AOC- E1.

4.5.15 AOC-I, Ink Spill Area

4.5.15.1 Background

In 1987, MacDermid personnel discovered stained soil underneath a concrete pad located north of the Gear Street Building and near a former ink spill sump. The spill material appeared to be an epoxy-like ink product which was manufactured at MacDermid. The suspected spill material was a MacDermid ink product comprised of pigments (organic, non-metallic) catalyst (aromatic ketones), vehicle (acrylic monomers) and additives.

The release was reported to the CTDEP and cleaned-up in accordance with CTDEP's "Contaminated Soils Removal and Disposal Guidelines". A sample was collected in December 1988 of the ink/soil layer prior to excavation. The sample was analyzed for metals by "extraction procedure" toxicity (EP tox) test and volatile organic compounds. The results of this test provide a signature of the ink composition:

- Metals that leached out of the soils included barium and lead.
- VOCs detected in the soil included benzene, toluene, ethylbenzene, PCE, xylene, and 1, 1, 1-trichloroethylene.

In 1988, approximately 550 cubic feet of soil (excavation was 11.5 feet by 16 feet) was removed from this release area and disposed off-site. Following excavation, soil samples were collected from the bottom of the excavation in December 1987. Soil samples were collected from the eastern and western face (i.e. sidewalls) of the excavation in March 1988. Based on the results of these confirmation samples, the excavation area was backfilled and is now covered with asphalt.

Written approval from CTDEP was requested but no approval documentation has been reviewed or known to exist.

4.5.15.2 Work Plan Implementation

1. The residual from the historical spill and remediation needs to be compared to current soil and groundwater RSRs.

The composite sample from the bottom excavation was analyzed for VOCs, cyanide, and leachable metals. No VOCs or cyanide were detected. Only barium was detected from the leachable metals test. The concentration for barium was below the current GB PMC concentrations.

The side wall composite samples were sampled exclusively for VOCs. The only VOC detected, 1, 1, 1-trichloroethylene, was from the eastern side wall and quantified at orders of magnitude below the current RSR soil standards.

One boring, SB-71 was installed as part of this investigation to further assess if residual ink spill material remains in the soil. The sample was analyzed for VOCs, SVOCs, metals, PCBs, and cyanide. The boring extended to 15 feet below ground with no observation of impacted soil. No odors or volatile organic vapors were observed. No VOCs, SVOCs, PCBs, or cyanide were detected in the sample. Metal concentrations were within typical background concentrations.

2. Continued evaluation of the site-wide groundwater system will better assess if there has been a release to groundwater.

The nearest down-gradient monitoring well is MW-62 which is over 200 feet to the south of the AOC. The metals detected in the ink-stained soil indicate barium and lead are COCs for the groundwater. Neither metal was detected in the groundwater. Two chlorinated VOCs, TCE and PCE, were detected in the groundwater and are considered COCs for the ink spill. The concentrations, however, are consistent with additional groundwater concentrations found nearly site-wide and do not indicate a nearby source.

The soil sample collected near the former ink spill suggests past remedial activities were successful in removing the stained soil. Groundwater contaminants were consistent with site wide concentrations and below the SWPC. Therefore, we recommend closure of this AOC.

4.5.16 AOC-J, 10,000 Gallon UST (Gear Street Building)

4.5.16.1 Background

This AOC is comprised of one 10,000 gallon No. 2 fuel oil underground storage tank (UST) located on the northeastern side of the Gear Street building. This UST was installed in November 1988 and replaced a 4,000-gallon No. 2 fuel oil UST installed in 1963.

4.5.16.2 Work Plan Implementation

1. Assess if a release from the UST was found.

The tank is fitted with a leak detection system. In addition, two monitoring wells were installed adjacent to the tank at the time of tank installation. Both wells identified as “UST plates” on Figure 2, were opened and observed and free of odors, product, or groundwater.

A boring (SB-72) was installed immediately west of the tank. A soil sample was collected at 12.5 feet below ground surface and analyzed for VOCs, metals, cyanide, PCB and ETPH. No odors or evidence of staining was observed during the boring installation. VOCs, PCBs, and cyanide were not detected in the sample. Metals concentrations were consistent with typical background concentrations. ETPH was detected at 190 mg/kg which was below the residential direct exposure criteria.

The leak detection system and monitoring well collection system associated with the current UST indicates the current tank is in compliance. The concentration of ETPH, at 190 mg/kg indicates petroleum is present and might be residual contamination from the previous tank.

Two wells were installed down-gradient of this AOC: MW-48 and MW-62. Both monitoring wells contained relatively low concentrations of petroleum, at 0.63 and 0.19 mg/L. No odors were noted during groundwater flow sampling. The current tank appears to be in compliance and we recommend closure of this AOC.

4.5.17 AOC-K1, Former Flammable Storage Area

4.5.17.1 Background

The Former Flammable Storage Area was used to store containers of flammable hazardous waste until 1999. Within this former 8 feet by 10 feet storage area, a maximum of sixteen 55-gallon drums of hazardous waste were managed at any one time. The types of waste managed within this area included flammable waste solvents (e.g., toluene, methyl, ethyl ketone, xylene, etc.). Secondary containment was provided by an epoxy-coated concrete floor and 4" x 4" epoxy-coated angle iron berms.

No documented releases to the surrounding environment are known to exist for this AOC. To assess if the former hazardous waste storage operation had impacted the environment, closure activities were initiated in December 1999. Based on the concrete chip sampling results), it was HRP's opinion that this AOC has not impacted the environment (i.e., clean closure). The site was certified by HRP as closed in 2002.

4.5.17.2 Work Plan Implementation

None. This area has been closed per an approved RCRA closure plan and certified by a professional engineer. We recommend closure of this AOC.

4.5.18 AOC-K2, Former NMP Recycling Area

4.5.18.1 Background

The former (N-Methyl Pyrrolidone) NMP Recycling contained a 500-gallon above ground reactor tank and a 55-gallon stainless steel product tank. Secondary containment was provided by the concrete floor, building walls, and spill collection floor trench. Any material collected within the floor trench discharged to MacDermid's on-site industrial WWTS.

No documented releases to the surrounding environment are known to exist for this AOC.

To assess if the former hazardous waste recycling operation had impacted the environment, closure activities were initiated in December 1999, which are summarized in the report titled

"RCRA Closure Summary for Former Hazardous Waste Storage and Recycling Areas" dated September 2002. Based on the sampling results, approximately 5 cubic yards of concrete required removal and disposal to meet CTDEP's approved closure standards. The site was certified as closed by HRP.

4.5.18.2 Work Plan Implementation

1. Compare site closure information to current RSRs to confirm conformance.

This AOC was certified closed base on closure standards provided in Table 2 of report titled, "RCRA Closure Summary for Former Hazardous Waste Storage and Recycling Areas." The closure standards were derived from either current RSR criteria or closure standards developed in the 1994 closure plan approved by the CTDEP. The standards provided in Table 2 that reference the 1994 closure plan were compared to current RSR standards. All of these standards were at or below the current RSR criteria.

Since the standards used for area closure were at or more protective than RSR criteria, this AOC is recommended for closure.

4.5.19 AOC-K3, Former Solder Stripper Recycling Area

4.5.19.1 Background

The former Solder Stripper Recycling Area contained three 5,000-gallon aboveground process tanks. This batch recycling operation was used to process 1,300 gallons of solder stripper at a time. Secondary containment was provided by an epoxy-coated concrete floor, building walls, and spill collection floor trench. The floor trench, which has been removed from service, would direct any collected material to MacDermid's on-site industrial WWTS.

4.5.19.2 Work Plan Implementation

None. This area has been closed per an approved RCRA closure plan and certified by a professional engineer. We recommend closure of this AOC.

4.5.20 AOC-K4, Gear Street Industrial Wastewater Sump Release

4.5.20.1 Background

This AOC consists of a single spill in 2000 of untreated wastewater. The untreated wastewater was collected in a sump prior to discharge to the site WWTS. The sump overflowed.

Closure activities were initiated in December 1999, which are summarized in the report titled, "RCRA Closure Summary for Former Hazardous Waste Storage and Recycling Areas". Based on the sampling results, approximately 5 cubic yards of concrete required removal and disposal to meet CTDEP's approved closure standards. The site was certified as closed by HRP.

4.5.20.2 Work Plan Implementation

1. The residual from the historical spill and remediation needs to be compared to current soil and groundwater RSRs.

A report documenting the remediation and testing after the spill was not available for review. Two borings, SB-65 and SB-66, were immediately down-gradient of the former spill. SB-65 was installed near the northern extent of the building interior. The boring encountered a trench line below the concrete floor. A sample was not collected since it would not have represented the underlying soil. A second boring was offset by approximately 10 feet to the south. This boring, SB-66, was installed to ten feet with a sample collected five feet below grade. The sample was analyzed for VOCs, metals, and ETPH. Metals concentrations were consistent with typical background concentrations. One VOC, TCE, was detected. This compound been detected in several areas of the building unrelated to wastewater sump area. The concentration of TCE detected was below RSR criteria. ETPH was detected at a concentration exceeding I/C DEC.

It is unclear, if the ETPH is the result of a release from the sump or part of the ETPH contamination found extensively throughout the northwest of the property. We recommend addressing the ETPH detection in this AOC with the remedial efforts that will occur to the northwestern extent of the property. Section 7 provides this recommendation.

2. Continued evaluation of the site-wide groundwater system will better assess if there has been any residual impact to groundwater

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The nearest down-gradient well from the release area is MW-113. MW-113 is located approximately 200 feet south of the spill and is down-gradient of the majority of the Gear Street Building. Groundwater samples have been collected from this well since 2001 with relatively consistent concentrations.

Butyl-benzene and phenanthrene were the only industrial compounds detected in the groundwater. Neither compound is associated with the wastewater release.

4.5.21 AOC-K5, Ink Manufacturing Area

4.5.21.1 Background

This AOC, comprised of tanks and roller mills, was used to prepare inks for the printed circuit board industry. The types of chemicals used in this area include: pigments, solvents, acrylimides, amines, and resins. No documented releases to the surrounding environment are known to exist for this AOC.

To prevent releases from entering the environment, this AOC is equipped with epoxy-coated concrete floor, building walls, and wastewater collection sump. The material collected in the collection sump would be discharged to MacDermid's industrial WWTS.

There are no known releases to this area. All operations have been ceased and equipment associated with the manufacturing has been removed.

4.5.21.2 Work Plan Implementation

1. Presence of any cracks in the concrete with penetrations to the subsoil which would allow contamination by constituents of concern need to be assessed.

Several cracks were observed in the concrete floor which measured greater than one-half inch in thickness. To assess the subsoil conditions, two borings (SB-63 and SB-64) were installed adjacent to the former ink manufacturing area and collected within three feet of the surface. Both borings were placed along observed cracks with samples collected. Soils collected from within the borings were not stained or exhibit an odor.

The soil samples were analyzed for VOCs, metals, cyanide, and ETPH. SB-63 contained ETPH at a concentration below RSR standards. No other detection indicated a release in either sample.

2. Continued evaluation of the site-wide groundwater system will better assess if there has been any residual impact to groundwater.

The nearest down-gradient well from the release area is MW-113. Butyl-benzene and phenanthrene were the only industrial compounds detected in the groundwater. Neither compound is associated with the ink manufacturing area.

No spills have been documented for this AOC. Soil samples collected from below the concrete floor do not indicate a release related to this AOC. Therefore, we recommend closure of this AOC.

4.5.22 AOC-K6, Electroless Nickel Area

4.5.22.1 Background

This AOC contained eight process tanks with a capacity of up to 1,200 gallons (TRC, 1993).

The process manufactured electroless nickel plating solutions. The operations are closed and chemicals removed.

No documented releases to the surrounding environment. Secondary containment included epoxy-coated concrete floors, building walls, and wastewater collection sump.

4.5.22.2 Work Plan Implementation

1. Presence of any cracks in the concrete with penetrations to the subsoil which would allow contamination by constituents of concern.

The concrete floor was observed during the field investigation and appeared to be in moderate to poor condition. Soil staining throughout the floor was observed and pooling or rainwater was observed. SB-67 and SB-70 were installed in areas of the former electroless nickel area with significant cracks and dark staining in the concrete floor.

Both samples from SB-67 and SB-70 were collected within the first five feet below the concrete floor. Neither sample contained an odor, staining, or PID readings. Likewise, neither sample contained VOCs and minor concentrations of ETPH. Unlike SB-67, SB-70 contained a detection of nickel in both mass and SPLP analysis suggesting some residual soil impacts.

2. Continued evaluation of the site-wide groundwater system will better assess if there has been any residual impact to groundwater.

The nearest down-gradient monitoring well to the AOC is MW-113 located approximately 200 feet to the south of the AOC. The monitoring well did not contain any nickel or ETPH, suggesting the soil from the AOC have not affected the local groundwater.

No spills have been documented for this AOC. However, the concentration of nickel detected in SB-70 is significant and should be addressed through remedial investigation detailed in Section 7.

4.5.23 AOC-K7, Satellite Storage Area

4.5.23.1 Background

The satellite storage area consisted of drum storage of off-specification and process waste from solder stripping, ink manufacturing, and miscellaneous operations. The drums were likely staged in multiple locations. According to MacDermid personnel, the drums were temporary storage of hazardous waste. Once full, the drums were transferred to the less than 90 day hazardous container storage area AOC-K8.

All of the floors within this area are four-inch epoxy coated concrete. No documented releases to the surrounding environment are known to exist for AOC-K7.

4.5.23.2 Work Plan Implementation

1. Presence of any cracks in the concrete with penetrations to the subsoil which would allow contamination by constituents of concern.

Appendix C provides a photograph of the concrete in the approximate location of the satellite storage area. No cracks greater than one half-inch wide were observed in this portion of the building. Minor staining was visible throughout the floors in this portion of the building. The staining is due in part, to pooling water as evidenced in the photograph. Water infiltrates from the roof and collects in minor floor depressions. Areas of pooling were viewed and did not contain cracks larger than one-half inch in width. Seams in the concrete did not contain areas of heavy staining. Borings SB-64 and SB-70 indicate the concrete is uniformly four-inches thick and competent.

Soil samples from SB-64 and SB-70 were both collected from less than five feet below the concrete floor. The soil samples were analyzed for VOCs, metals, cyanide, and ETPH. SB-70 contained ETPH at a concentration below RSR standards. No other detection indicated a release in either sample.

2. Continued evaluation of the site-wide groundwater system will better assess if there has been any residual impact to groundwater.

The nearest down-gradient well from the AOC is MW-113. Butyl-benzene and phenanthrene were the only industrial compounds detected in the groundwater. Neither compound is associated with the ink manufacturing area.

No spills have been documented for this AOC. Soil samples collected from below the concrete floor do not indicate a release related to this AOC. Therefore, we recommend closure of this AOC.

4.5.24 AOC-K8, Chemical Storage Area

4.5.24.1 Background

This AOC was used for less than 90 day hazardous waste storage. This area was formerly a RCRA-regulated area closed circa 1999. However, detailed documentation of the closure procedures was not provided.

The focus of the investigation is on two 20 by 40 foot secondary containment areas. These containment areas were designed to store up to fifty-four 55-gallon drums and four, 330-gallon storage totes each. The secondary containment consists of four inches high berms with epoxy-coated concrete floor and four-inch high epoxy-coated angle-iron. It is

presumed, the majority of chemical storage occurred in these bermed areas. No documented spills were reported.

4.5.24.2 Work Plan Implementation

1. The documentation for the closure of the former combustible storage area under RCRA is not clear. The past closure means and methods need to be compared against current guidance.

The objective of this investigation was to provide chemical analysis and methodology to justify area closure. Concrete chip samples were conducted to detect chemicals that were released and leached into the secondary containment structure. No state standards exist for concrete chip media. However, elevated concentrations of materials provide an indication of a release and potential impact to underlying soils. Soil borings were collected to assess the quality of the underlying soil.

As shown in the photographs, each bermed area is free and clear of any chemical or other type of storage. Staining and pooled water was observed on both containment areas at the time of sampling. The pooled water is likely due to a leak in the building roof. The concrete flooring in both containment structures was competent with no visible cracks in either storage area. Concrete seams are found throughout the floor but not inside the secondary containment area.

Secondary containment No. 1 is located along the southwestern wall. Two concrete chip samples (CC-05 and CC-06) were collected approximately five feet apart in the center of the pad. None of the detected compounds, for either chip sample, approached standards for soil or provided indications of a release. However, the non-detect results for several VOCs in CC-05 were rejected by the data validators because the laboratory surrogate recovery values were below acceptable ranges. CC-06, however, did not contain any detection of VOCs.

The boring installed in secondary containment No.1 (SB-68) was collected between the two above mentioned chip samples. The boring extended five feet below the concrete pad with no visible signs of staining, odor, or PID readings. No indications of a release were indicated by the sampling results.

Secondary containment No. 2 is located south of containment No.1. Two concrete chip samples (CC-07 and CC-08) were collected approximately six feet apart in the center of the pad. Both samples contained elevated detections of ETPH, xylene, and ethylbenzene. These results suggest gasoline, or similar petroleum compound, has stained the concrete.

The boring installed in secondary containment No.2 (SB-69) was collected slightly west of CC-07 and CC-08. The boring extended five feet below the concrete pad with no visible signs of staining, odor, or PID readings. No indications of a release of any type were indicated by the sampling results.

These results indicate that the secondary containment has prevented a release of petroleum into the underlying soil. The results support the previous RCRA closing and AOC closure is recommended.

4.5.25 AOC-L, Transformer Vault

4.5.25.1 Background

This AOC consists of a transformer vault is located on a four inch thick concrete pad. No documented releases to the surrounding environment are known to exist for AOC-L.

4.5.25.2 Work Plan Implementation

1. Assess the presence of any cracks in the concrete and asphalt with penetrations to the subsoil which would allow contamination by constituents of concern.

The objective of this investigation was to visually assess the competency of the transformer pad and surrounding area. Appendix C contains photographs of the pad and transformer. The concrete pad is approximately six inches thick with no cracks greater than one-half inch thick. The concrete pad was free of staining or odors. The surrounding pavement is also competent.

2. Evaluate the soil quality around the transformers to assess for the potential of a historical release.

The objective of this investigation was to assess if there has been a release of transformer oil affecting the soil and groundwater adjacent to the transformer vault. The primary constituents of concern for a transformer oil release are PCBs contained within the insulating oil. The presence of petroleum is also a potential indication of a release.

SB-61 and SB-62 were installed less than ten feet to the south and east of the vault, respectively. A monitoring well was installed in boring SB-62. Boring logs are provided in Appendix D. Access to the transformer vault is limited by a chain link fence to the south and the building perimeter to the north.

Both borings were extended to 15 feet below ground surface after offsetting once at both locations due to refusal within the upper ten feet. No odors or staining was observed in either boring. All soils were screened for organic vapors, using a PID, continuously as the borings were advanced. Detections of organic vapors were recorded on SB-61 ranging from 6.5 to 9.2 ppm from depths between five to ten feet below ground surface. A sample was collected at nine to ten feet below grade corresponding to the area with the highest PID detection. No PID detections, stains, or odors were observed in SB-62.

SB-61 contained exceedances of the RES DEC for lead and ETPH. Despite the elevated concentrations of ETPH, associated volatile organic compounds such as benzene, toluene, ethylbenzene and xylene, (BTEX) were not detected. Elevated concentrations of nickel, cobalt, and copper triggered the performance of SPLP metals. No exceedances of GB PMC were recorded. No PCBs or cyanide were detected in the sample.

SB-62 (2.5 to 3.5 feet) contained one positive result for arsenic (19.1 mg/kg) above I/C DEC standards. However, the result was estimated (J flagged) due to high recovery values from the laboratory biasing the results high. No detectable concentrations of arsenic were recorded when the sample was leached using SPLP. The remaining metal concentrations were within the range of background concentration. Remediation of this AOC is recommended as detailed in Section 7.

5. Deviation from Scope of Work

The following deviation from the Scope of Work occurred. None of the deviations were considered to significantly affect the data quality objectives of the investigation.

- Monitoring wells MW-110 and MW-111 were not sampled during site-wide groundwater monitoring since they have been damaged. Additional wells, MW-48 and MW-44 were installed as replacements to MW-110 and MW-111, respectively.
- Monitoring wells MW-26 and MW-108 contained LNAPL. A bailer was used to physically remove the LNAPL to the extent possible prior to the insertion of the bladder pump.
- SB-54 and SB-55 were located in the subbasement. Access by drill rig was not possible. Therefore, the concrete floor was cored using a portable electric drill and the soil samples collected using a hand auger. The hand auger was decontaminated between sample collections.
- SB-49 represented an additional soil boring installed inside the building to the west of the former 6,000-gallon UST and boiler house. The sample provided additional understanding of the residual soil contamination to the west of the tank.
- Ten additional borings were installed during the investigation of AOC-E1. The borings were installed to better define the degree and extent of visible oil contamination along the western property edge.
- Five additional borings were installed along the asphalt cap of AOC-A. The borings were installed to better define the degree and extent of contamination under the cap.
- The approved QAPP stated that one trip blank and one field blank would be submitted per day per cooler. However, trip blanks were not submitted on three of the field days since the blanks were not provided by the laboratory. With the exception of acetone and methylene chloride, the five trip blanks did not contain detectable concentrations of VOCs.

6. Data Usability Discussion

Data validation was performed on all of the data collected during this investigation. Data validators, independent of the project team, reviewed laboratory and field collection methodology. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines*. Laboratory analysis and reporting was based on Connecticut Reasonable Confidence Protocols (CT RCP). The data validators reviewed for data completeness, instrument calibration, quality control, and holding and preservation procedures. TestAmerica Shelton, a Connecticut-certified laboratory, performed all analysis.

The data tables provide in this report include several data qualifiers:

- "J" flagged values have been estimated by the validator based on review of laboratory or field procedures. In accordance with CT RCPs, values were not J-flagged if they represented values between the reporting limit and the detection limit. Instead, these values were represented as non-detect with the reporting limit provided.
- "UJ" flagged values indicate values not detected above reporting limits. However, based on field or laboratory procedures, the reporting limit is estimated.
- "R" represents rejected values. Rejected values were unacceptable to be used to meet data quality objectives. None of the groundwater data were rejected. One soil sample (SB-33) and two concrete chip data points (CC-4 and CC-5) contained rejected VOCs due to laboratory surrogate recovery values. These rejected values are provided in the analytical tables.

6.1 Data User Summary Reports (DUSRs)

A data user summary report was provided for all analytical projects. Based on these DUSRs, the following conclusions were made:

- All samples were preserved using correct preservatives and sample containers.
- All samples were provided to a sample courier at the end of each day.
- All samples were analyzed within appropriate hold times.
- All samples temperatures were acceptable within laboratory specifications.
- All results were usable for project objectives except for the above-referenced rejected values.

6.2 Field Blanks

The approved QAPP stated that one field blank would be submitted per day per cooler. However, field blanks were not submitted on three of the field days.

With the exception of acetone and methylene chloride, the five trip blanks did not contain detectable concentrations of VOCs.

6.3 Equipment Blanks

Equipment blanks were to be performed on non-dedicated sampling equipment. Equipment blanks were collected after decontamination of the drill bit used to collect chip samples (EB-Chip) and the hand auger used to collect soil samples (EB-auger).

ETPH was detected (below 10 mg/kg) in EB-auger after field decontamination. The positive results for ETPH in samples SB-54 and SB-55 were qualified as non detect at reporting levels of 23 and 38 mg/kg, respectively. These two samples were the only two field samples collected using a hand auger.

6.4 Trip Blanks

The approved QAPP stated that one trip blank would be submitted per day per cooler. However, trip blanks were not submitted on three of the field days since the blanks were not provided by the laboratory. With the exception of acetone and methylene chloride, the five trip blanks did not contain detectable concentrations of VOCs.

7. Findings and Recommendations

The objective of this investigation was to refine and eliminate data gaps within the conceptual site model. A series of site activities were implemented to address existing data gaps. The following conclusions and recommendations are based on these site activities.

7.1 Site-Wide Groundwater Monitoring

Findings

- Twenty-six monitoring wells were sampled including 16 existing and 10 monitoring wells installed during this investigation.
- Groundwater flow direction in the shallow overburden in the South Parcel was to the South-Southwest.
- LNAPL was detected in, MW-26, MW-108, and PZ-01.
- No exceedances of I/C GWVC were detected in any of the wells.
- One exceedance of RES GWVC of vinyl chloride was detected in MW-116D.
- Seven constituents exceeded generic SWPC:
    - Three PAHS: Acenapthylene, Phenanthrene, and Benzo[a] anthracene
    - Four Metals: Arsenic, Copper , Nickel, and Zinc

Recommendations

- A site-wide groundwater monitoring plan including frequency of sampling, constituents of concern, and well network should be prepared as part of the remedial investigation plan.

7.2 Closure of RCRA Waste Management Units

Findings

- Four of the five RCRA Waste Management Units have been certified closed by a Professional Engineer.
- Closure activities have been initiated for the unit - Bulk Spent Copper Etchant Recycling Area (Area D).

Recommendations

- Conduct a second round of cleaning of the concrete floors in Area D to remove residual staining and epoxy coating. Chip sampling should be performed to verify compliance with MCC. Close this unit per the approved closure plan.

7.3 Scoping Level Ecological Risk Assessment

Findings

- There is negligible ecological habitat on the South Parcel
- At the approximately 30 acre North Parcel only the area around AOC –A has potential ecological pathways.
- This assessment shows some residual soil impacts at AOC–A.
- Historical concentrations of copper in Steele Brooke met 1994 remediation criteria.
- Several documented releases of copper have occurred to Steele Brooke from sources upstream from MacDermid. Accordingly, any residual concentrations of copper in Steele Brooke sediment would be difficult to attribute to MacDermid.
- Industrial discharges to Steele Brooke from MacDermid stopped prior to 2002. Stormwater is the only active discharge.

Recommendations

- Address the residual soil impacts at AOC-A through a remedial action plan that removes potential ecological pathways.

7.4 Site Wide Stormwater Sampling

Findings

- Stormwater sampling was conducted in 2008 per MacDermid's general permit .The discharge monitoring report indicated the SWPP met industrial discharge requirements.

Recommendations

- Perform annual stormwater sampling in accordance with MacDermid's approved stormwater management plan.
- Inspect and cleanout, as needed, stormwater basins on an annual basis.

7.5 Areas of Concern

Findings

Individual findings are provided in Section 4.2.

Recommendations

We recommend the following 17 AOCs are closed and not included in future remedial investigation. We recommend remedial action at six AOCs including one new AOC. These recommendations are based on the results of this investigation.

We recommend closure of the following AOCs. No analytical data past or current provided sufficient evidence in support of a release.

No additional data gaps remain in understanding the conceptual site model in these areas.

- AOC-B 4,000 Gallon No.2 Fuel UST
- AOC-C Dry Chemical Silos
- AOC -D1 Pilot Plant
- AOC-D2 Main Mixing Area
- AOC - E2 Wastewater Treatment System
- AOC - E5 Acid Tank Farm
- AOC- G East Aurora Street Warehouse
- AOC- H Flammable Material Rack Storage Area
- AOC- I Ink Spill Area
- AOC-J 4,000 Gallon UST
- AOC-K1 Former Flammable Storage Area
- AOC-K2 Former NMP Recycling Area
- AOC-K3 Former Solder Stripper Recycling Area
- AOC-K4 Gear Street Industrial Wastewater Sump Release
- AOC-K5 Ink Manufacturing Area
- AOC-K7 Satellite Storage Area
- AOC-K8 Chemical Storage Area

Further remedial investigation is recommended at the following AOCs:

- AOC-A Soil Disposal Area. The soil piles and material below the asphalt cap should be removed and most likely through excavation and off-site disposal. Removal of this material should allow the North Parcel to meet RSR compliance and ultimately achieve productive reuse. An interim remediation plan as provided in the Permit is recommended.

- AOC-E1 and E3. Former Waste Lagoon Areas and Copper Etchant Storage Tanks. The former waste lagoons or residual contamination were not found during this investigation. However, unrelated wider-spread petroleum and lead contamination was encountered to the west of the former lagoons.

  These materials are the result of historical ball bearing operations that pre-dated MacDermid and are not part of the lagoons. Therefore, we recommend creating a new AOC-M to address this finding.

  The area west of the waste lagoon, and below the building footprint, is co-mingled with AOC-E3 Copper Etchant Storage Tanks.

Chlorinated compounds and nickel were found in the soil and in the down-gradient groundwater. The profile of the groundwater contamination is very similar to residual waste detected near the sumps in the copper etchant storage tanks.

We recommend combining AOC-E1 and AOC-E3 into a single AOC-E. This new AOC-E will encompass previous residual impacts due to Site industrial processes that occurred in and around the industrial waste treatment and process building. This streamlined approach will focus on removing contaminated soil and monitoring groundwater in the immediate area.

- AOC-F Former 6,000 Gallon UST. The scope for additional work at this AOC is relatively minor. We recommend excavation of additional soil immediately around the western edge of the tank. Confirmation samples will be collected to document the residual contamination has been removed.

- AOC-K6 Electroless Nickel Area. The sample collected at SB-70 indicated a release of relatively high nickel concentrations to the soil. The extent of nickel contamination in this area needs to be further defined. Further remedial investigation will likely include installing direct push borings around SB-70 to define the aerial extent. Once this area is defined, excavation and off-site soil disposal is the likely remedial method.

- AOC-L Transformer. Surface soils in surrounding this area contained lead and PAHs at concentrations which require remediation. The size and scope of remedial activities are similar to those recommended in AOC-F. A dynamic approach of surface sampling combined with spot excavation should be sufficient to achieve regulatory compliance.

- AOC-M Former Ball-Bearing Manufacturing. Petroleum contamination of soils was detected throughout the western extent of the South Parcel. The southern extent of the contamination is likely to extend below the building as evidenced by SB-66 and SB-74. Ball bearings, petroleum, and lead suggest historic disposal of ball bearings and cutting oil. An interim remedial investigation plan should be developed to further delineate the impacted soils and develop a remediation strategy to address this contamination.

  The disposal of cutting oil is also the likely source of the LNAPL found in down-gradient monitoring wells. A remedial investigation plan should be developed detailing a strategy for remediation of the LNAPL. Product removal will likely consist of a combination of passive collection and chemical oxidation.

We also recommend another fingerprint analysis of the oil and soils to confirm the substances are similar and the up-gradient soil in this AOC is the source of petroleum in the groundwater.

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Tables

Table 1
Conceptual Site Model
MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut

Conceptual Site Model				Site Characterization Investigation		
Areas of Concern	**Description of AOC**	**Source**	**Release Mechanism**	**Sampling Objectives to Address Data Gaps**	**Potentially Impacted Media**	**Contaminants of Concern**
Site-Wide Groundwater Investigation	Characterize groundwater quality throughout site as defined in AOCs below	Multiple potential contaminant sources from on-site practices and releases.	Releases to surface soil and migration to groundwater.	Evaluate site-wide groundwater system to better understand contaminants releases to the groundwater.	Groundwater	Addressed through AOC investigation
Resources Conservation and Recovery Act Storage Facilities	Former areas of hazardous waste storage requiring closure.	Various hazardous waste storage.	Releases to surface soil and migration to groundwater.	Clean closure of RCRA areas based on "Closure Plan" developed by Loureiro Engineering Associates, Inc. final revision March 7, 2003.	Soil, Concrete, and Groundwater	Addressed through Closure Plan
Scoping Level Ecological Risk Assessment	Releases to the environment affecting ecological receptors.	Historic releases and site activities.	Releases to the environment through multiple sources.		Soil, groundwater, surface water, and sediment.	
Site-wide Stormwater Monitoring	Releases of contaminants of concern from site surfaces into the stormwater system.	Urban runoff	Releases of contaminants of concern from site surfaces into the stormwater system.	Stormwater Monitoring Report according to Huntingdon Avenue Stormwater Pollutant Prevention Plan.	Surface water	Oil and Grease, pH, Chemical Oxygen Demend, Total Suspended Solids, Total Phosphate, Total Kjedal Nitrogen, Nitrate as Nitrogen, Total Copper, Total Zinc, Total Lead, Acute Aquatic Toxicology.
AOC-A	North Parcel	Soil and/or sludge materials from former waste lagoons	Transport of lagoon sludge and/or contaminated soil to consolidation area	Assess the effectiveness of the current GW monitoring system	Groundwater	TAL Metals, VOCs, Cyanide, Tin, and ETPH
				Assess the presence of total petroleum hydrocarbons in the groundwater.		
				Evaluate the need for securing the area of AOC-A from potential tespassers.	Soil and Groundwater	TAL Metals, VOCs, Cyandie, Tin, and ETPH
				Assess the amount of material stored under cap	Soil	VOCs, RSR -15 Metals, Cyanide, Tin, ETPH with two samples anaylyzed for waste characterization and disposal
				Assess type and volume of material stored under cap		VOCs, RSR -15 Metals, Cyanide, Tin, ETPH with two samples analyzed for waste characterization and disposal
	Soil Disposal Area	Unknown, potential spoils from former waste lagoons	Potentially contaminated soil exposed to the environment	Assess the nature and extent of soil piles in the vicinity of the asphalt cap.		VOCs, RSR -15 Metals, Cyanide, Tin, ETPH
AOC-B	4,000-Gallon Underground Storage Tank	Tank contents (No. 2 fuel)	Storage tank failure resulting in direct release to the environment	Review tank closure documentation. Based on closure documentation and sampling assess if additional sampling is warranted.	Soil	VOCs, ETPH
					Groundwater	VOCs, ETPH
AOC-C	Dry Chemical Silos	Chemical silo contents (i.e. sodium carbonate, sodium hydroxide, sodium metasilicate, anhydrous sodium hydroxide)	Spillage during handling operations and/or failure of storage tank resulting in migration of stored chemicals through concrete floor	Observe condition of the soil beneath the silos if platform indicates possible transmission through concrete.	Soil	VOCs, SVOCs, TAL Metals, Cyanide, Tin, monitor pH
				Site-wide groundwater monitoring to assess anomolies in pH.	Groundwater	pH
AOC-D	Pilot Plant (AOC-D1)	Chemicals used during operation including. copper etchant, solder stripper, inks, electroless nickel plating solution, and dry batch chemicals.	Spillage during handling operations and/or failure of storage tank resulting in migration of stored chemicals through concrete floor	Observe condition of the concrete. Assess if transmission of contaminant to the soil had occurred.	Soil and Concrete	VOCs, SVOCs, TAL Metals, Cyanide, Tin
	Main Mixing Area (AOC-D2)			Observe condition of the concrete. Assess if transmission of contaminant to the soil is possible.	Soil and Concrete	VOCs, SVOCs, TAL Metals, Cyanide, Tin
				Evaluate the extent of contamination to the concrete by constituents of concern.	Concrete	VOCs, SVOCs, TAL Metals, Cyanide, Tin

Table 1
Conceptual Site Model
MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut

Areas of Concern	Description of AOC	Source	Release Mechanism	Sampling Objectives to Address Data Gaps	Potentially Impacted Media	Contaminants of Concern
AOC-E	Former Waste Lagoons and LNAPL (AOC-E1)	Former contents of lagoons (i.e metal hydroxide, metals, cyanide, and industrial solvents)	Percolation of unlined lagoon contents into underlying soils	Assess the degree and extent of LNAPL at MW-108.	Groundwater	VOCs, SVOCs, TAL Metals, Cyanide, Tin, ETPH
				Assess options for the interim remediation of the LNAPL.	Soil and Groundwater	Not applicable
				Assess if any residual waste or contaminated soils remain in the buried lagoons.	Soil	VOCs, SVOCs, TAL Metals, Cyanide, Tin, ETPH
				Characterize any contaminated soil or waste remaining in the former lagoons.	Soil	VOCs, SVOCs, TAL Metals, Cyanide, Tin, ETPH
	Wastewater Treatment System (AOC-E2)	Former contents of lagoons (i.e metal hydroxide, metals, and industrial solvents)	Spillage during handling operations and/or failure of storage tank resulting in migration of stored chemicals through concrete floor	Assess the status of closure of the RCRA regulated portion of this AOC and implement RCRA closure as needed.	Soil and Concrete	VOCs, RCRA-metals, reactive cyanide and sulfide, pH, SVOCs
				Assess residual impacts to the concrete floor.	Soil and Concrete	VOCs, RCRA-metals, reactive cyanide and sulfide, pH, SVOCs
				Assess the potential for this area to be a source of the surrounding groundwater impacts.	Groundwater	VOCs, RCRA-metals, reactive cyanide and sulfide, pH, SVOCs
	Spent Copper Etchant Storage Area (AOC-E3)	Former process chemicals (i.e. ammonia, arsenic, chloride, copper chromium, lead, nickel, tin, and zinc)	Spillage during handling operations and failure of storage tank resulting in migration of stored chemicals through concrete floor	Assess the tank contents and characterize residuals.	Tank sludge	RCRA-Metals
				Assess the status of closure of the RCRA regulated portion of this AOC and implement RCRA closure as needed.	Not Applicable	VOCs, RSR -15 Metals, Cyanide, Tin, ETPH (18) Waste Characterization (SB-28)
				Assess residual impacts to the concrete floor in the RCRA area and assess for cracks or impacted concrete in the non-RCRA areas.	Concrete	VOCs, RSR -15 Metals, Cyanide, Tin, ETPH (18) Waste Characterization (SB-28)
				Assess the potential for this area to be a source of the surrounding groundwater impacts.	Groundwater	VOCs, RSR -15 Metals, Cyanide, Tin, ETPH (18) Waste Characterization (SB-28)
	Spent Copper Etchant Recycling Area (AOC-E4)	Former process chemicals (i.e. ammonia, arsenic, chloride, copper chromium, lead, nickel, tin, and zinc)	Spillage during handling operations and/or failure of storage tank resulting in migration of stored chemicals through concrete floor	Assess the tank contents and characterize residuals.	Tank sludge	RCRA-Metals
				Assess the status of closure of the RCRA regulated portion of this AOC and implement RCRA closure as needed.	Not applicable	VOCs, RSR -15 Metals, Cyanide, Tin, ETPH (18) Waste Characterization (SB-28)
				Assess residual impacts to the concrete floor in the RCRA area and assess for cracks or impacted concrete in the non-RCRA areas	Concrete	VOCs, RSR -15 Metals, Cyanide, Tin, ETPH (18) Waste Characterization (SB-28)
				Assess the potential for this area to be a source of the surrounding groundwater impacts.	Groundwater	VOCs, RSR -15 Metals, Cyanide, Tin, ETPH (18) Waste Characterization (SB-28)
	Acid Tank Farm (E-5)	Bulk acid storage (i.e hydrochloric acid, nitric acid, hydrogen peroxide, and sulfuric acid)	Spillage during handling operations and/or failure of storage tank resulting in migration of stored chemicals through concrete floor	Assess the potential for this area to be a source of the surrounding groundwater impacts.	Groundwater	VOCs, RSR -15 Metals, Cyanide, Tin, ETPH (18) Waste Characterization (SB-28)
				Assess the integrity of the concrete berm.	Concrete	VOCs, RSR -15 Metals, Cyanide, Tin, ETPH (18) Waste Characterization (SB-28)
	1994 Spent Copper Etchant Spill (E-6)	Process chemicals (i.e. ammonia, arsenic, chloride, copper chromium, lead, nickel, tin, and zinc)	Release of contents to Steele Brook via the stormwater collection system	Review past DEP closure documentation	Sediment	VOCs, RSR -15 Metals, Cyanide, Tin, ETPH (18) Waste Characterization (SB-28)
AOC-F	Former 6,000 Gallon UST (East Aurora Street Building)	Tank contents (No. 2 heating oil)	Storage tank failure resulting in direct release to the environment	Assess if there has been a release from the UST	Soil	VOCs, ETPH,
					Groundwater	VOCs, ETPH
AOC-G	East Aurora Street Warehouse	Process chemicals (i.e. ammonia, arsenic, chloride, copper chromium, lead, nickel, tin, and zinc)	Spillage during handling operations and/or failure of storage tank resulting in migration of stored chemicals through concrete floor	Review and implement the RCRA closure plans for the two storage areas.	Not Applicable	VOCs, SVOCs, TAL Metals, Cyanide, Tin
				Evaluate the extent of contamination to the concrete by constituents of concern.	Concrete	VOCs, SVOCs, TAL Metals, Cyanide, Tin
				Observe condition of the concrete. Assess if transmission of contaminant to the soil is possible.	Soil and Groundwater	VOCs, SVOCs, TAL Metals, Cyanide, Tin
				Evaluate site-wide groundwater system to better assess id there has been a release to the groundwater.	Groundwater	VOCs, SVOCs, TAL Metals, Cyanide, Tin

Table 1
Conceptual Site Model
MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut

Areas of Concern	Description of AOC	Source	Release Mechanism	Sampling Objectives to Address Data Gaps	Potentially Impacted Media	Contaminants of Concern
AOC-H	Flammable Material Rack Storage Area	Process chemicals (i.e. alcohols, toluene, xylene, additional solvents)	Spillage during handling operations and failure of storage tank resulting in direct release to the environment	Evaluate potential releases to soil under or around the former storage area.	Soil	VOCs, SVOCs, TAL Metals, Cyanide, Tin
				Identify the presence of any cracks in the concrete with penetrations to the subsoil which would allow contamination by constituents of concern.	Concrete	VOCs, SVOCs, TAL Metals, Cyanide, Tin
				Evacuate site-wide groundwater system to assess if there has been a release to groundwater.	Groundwater	VOCs, RSR -15 Metals, Tin, ETPH
AOC-I	Ink Spill Area	Epoxy-like ink material (contents aromatic ketones, acrylic monometers, metals)	Documented release migrating through concrete pad	Compare the residual from historic spill and remediation or current soil RSRs.	Soil	VOCs, SVOCs, TAL Metals, Cyanide, Tin
				Evaluate the site-wide groundwater system to better assess if there has been a release to the groundwater.	Groundwater	VOCs, SVOCs, TAL Metals, Cyanide, Tin
AOC-J	4,000 Gallon UST (Gear Street Building)	Tank contents (No.2 fuel)	Storage tank failure resulting in direct release to the environment	Assess if a release from UST has occurred.	Soil	uge the two monitoring wells installed at the time of UST replaceme
						VOCs, RSR -15 Metals, Tin, Cyanide, ETPH
AOC-K	Former Flammable Storage Area (AOC-K1)	Process chemicals (i.e. ethyl ketone, toluene, xylene, additional solvents)	Spillage during handling operations and/or failure of storage tank resulting in migration of stored chemicals through concrete floor	Assess if the groundwater in the area has been impacted	Groundwater	VOCs, SVOCs, TAL Metals, Cyanide, Tin
	Former NMP Recycling Area		Spillage during handling operations and failure of storage tank resulting in migration of stored chemicals through	Compare site closure documents to current RSRs to confirm conformance.	Not Applicable	Not Applicable
	Former Solder Stripper Recycling Area (AOC-K3)	Process chemicals (i.e. tin, lead, zinc, and copper)	Spillage during handling operations and failure of storage tank resulting in migration of stored chemicals through concrete floor	None, this area has been closed per an approved RCRA closure plan and certified by a professional engineer.	Not Applicable	Not Applicable
	Gear Street Industrial Wastewater Sump Release (AOC-K4)	Industrial wastewater	Documented release resulting in migration through concrete floors	Compare the residual from historic spill and remediation of current soil RSRs.	Soil	VOCs, SVOCs, TAL Metals, Cyanide, Tin
				Evaluate the site-wide groundwater system to better assess if there has been a release to the groundwater.	Groundwater	VOCs, SVOCs, TAL Metals, Cyanide, Tin
	Ink Manufacturing Area (AOC-K5)	Process ink (i.e. pigments, solvents, acrylimides, and resins)	Spillage during handling operations and/or failure of storage tank resulting in migration of stored chemicals through secondary containment and concrete floor	Observe condition of the concrete. Assess if transmission of contaminant to the soil is possible.	Soil	VOCs, SVOCs, RSR -15 Metals, Tin, Cyanide
				Evaluate the site-wide groundwater system to better assess if there has been a release to the groundwater.	Groundwater	VOCs, SVOCs, RSR -15 Metals, Tin, Cyanide
	Electroless Nickel Area (AOC-K6)	Process chemicals (i.e nickel compounds, sodium compounds, and phosphites)	Spillage during handling operations and/or failure of storage tank resulting in migration of stored chemicals through secondary containment and concrete floor	Assess if there has been a release to the soil to in the Electroless Nickel Area	Soil	VOCs, RSR -15 Metals, Tin, Cyanide, ETPH
				Evaluate the site-wide groundwater system to better assess if there has been a release to the groundwater.	Groundwater	VOCs, RSR -15 Metals, Tin, Cyanide, ETPH
	Satellite Storage Areas (AOC-K7)	Various hazardous wastes (i.e. solvent, metals, and acids)	Spillage during handling operations and/or failure of storage tank resulting in migration of stored chemicals through secondary containment and concrete floor	Assess if there has been a release to the soil in any of the three Satellite Storage Areas	Soil	VOCs, RSR -15 Metals, Tin, Cyanide, ETPH
				Evaluate the site-wide groundwater system to better assess if there has been a release to the groundwater.	Groundwater	VOCs, RSR -15 Metals, Tin, Cyanide, ETPH
	Chemical Storage Area (AOC-K8)	Various chemical wastes (i.e. solvent, metals, and acids)	Spillage during handling operations and/or failure of storage tank resulting in migration of stored chemicals through secondary containment and concrete floor	Assess if there has been a release to the soil in any of the various chemical waste storage areas.	Soil	VOCs, RSR -15 Metals, Tin, Cyanide, ETPH
				Evaluate the site-wide groundwater system to better assess if there has been a release to the groundwater.	Groundwater	VOCs, RSR -15 Metals, Tin, Cyanide, ETPH
AOC-L	Transformer Vault	Transformer fluid and components	Spillage during handling operations and/or failure of storage tank resulting in migration of stored chemicals through secondary containment and concrete floor	Assess if there has been a release from the transformer to the soils.	Soils	VOCs, TAL Metals, Cyanide, Tin, ETPH, PCBs
				Assess if the groundwater has been impacted in the area of the transformer vault	Groundwater	VOCs, RSR -15 Metals, Tin, Cyanide, ETPH, PCBs

Table 2
Summary of Soil Pile Sampling - AOC-A
Site Characterization Report
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Name:				SB-1	SB-2	SB-3	SB-4	SB-5
Sample Date:				11/12/2008	11/12/2008	11/12/2008	11/12/2008	11/12/2008
Area of Concern	RES DEC	I/C DEC	GB PMC	AOC-A	AOC-A	AOC-A	AOC-A	AOC-A
VOCs (mg/kg)								
Acetone	500	1000	140	0.016 U	0.014 U	0.91 U	0.022 U	**0.03**
Benzene	21	200	0.2	0.0068 U	0.0063 U	0.0019 U	0.0056 U	0.0052 U
Bromomethane	95	1000	2	0.0068 U	0.0063 U	0.0022 U	0.0056 U	0.0052 U
Butanone, 2-	500	1000	80	0.014 U	0.013 U	0.33 U	0.011 U	0.01 U
Chloroethane	SS-210	NE	NE	0.0068 U	0.0063 U	0.0032 U	0.0056 U	0.0052 U
Dichloroethene, cis-1,2-	500	1000	14	0.0068 U	0.0063 U	0.048 U	0.0056 U	**0.0074**
Hexanone,2-	NE	NE	NE	0.014 U	0.013 U	0.077 U	0.011 U	0.01 U
Methylene chloride	82	760	1	0.027 U	0.025 U	0.023 U	0.022 U	0.021 U
Toluene	500	1000	67	0.0068 U	0.0063 U	0.0018 U	0.0056 U	0.0052 U
Trichloroethene	56	520	1	0.0068 U	0.0063 U	0.0058 UJ	0.0056 U	**0.007**
PCBs (mg/kg)								
Aroclor 1260	1	10	NE	NA	NA	NA	NA	**0.04**
Total Metals (mg/kg)								
Antimony	27	8200	NA	1.9 U	4.8 U	4.7 U	10 U	NA
Arsenic	10	10	NA	**13.4**	**24.9**	**16.8**	**5.5**	NA
Barium	4700	140000	NA	**81.5**	**198**	**87.1**	**52**	NA
Beryllium	2	2	NA	0.62 U	0.56 U	0.44 U	0.5 JU	NA
Cadmium	34	1000	NA	5.7 U	7.4 U	1.2 U	5 U	NA
Chromium	3900/100	51000/100	NA	**311**	**392**	**2130**	**30.6**	NA
Cobalt	70	NE	NA	9.2 U	11.5 U	16.5 U	**6.6**	NA
Copper	2500	76000	NA	**465**	**637**	**716**	**115**	NA
Lead	400	1000	NA	**671**	**1220**	**802**	**42.2**	NA
Mercury	20	610	NA	**0.24**	**0.24**	**0.13**	**0.065**	NA
Nickel	1400	7500	NA	**98.6**	**89.5**	**227**	**23.4**	NA
Selenium	340	10000	NA	3.1 U	3.7 U	3.7 U	1.1 U	NA
Silver	340	10000	NA	3.4 U	4.4 U	0.51 U	3 U	NA
Vanadium	470	14000	NA	**21.8**	**24.5**	**30.7**	**22.1**	NA
Zinc	20000	610000	NA	**259**	**238**	**138**	**134**	NA
TCLP METALS (mg/l)								
Arsenic	NA	NA	0.1	NA	NA	NA	NA	0.2 U
Barium	NA	NA	10	NA	NA	NA	NA	**0.25**
Cadmium	NA	NA	0.05	NA	NA	NA	NA	0.05 U
Chromium	NA	NA	0.5	NA	NA	NA	NA	0.016 U
Lead	NA	NA	0.15	NA	NA	NA	NA	**0.45**
Mercury	NA	NA	0.02	NA	NA	NA	NA	0.002 U
Selenium	NA	NA	0.5	NA	NA	NA	NA	0.15 U
Silver	NA	NA	0.36	NA	NA	NA	NA	0.03 U
Total Cyanide (mg/kg)								
Cyanide, Total	1400	41000	2	0.13 U	0.2 U	0.1 U	0.097 U	NA
Disposal								
Ignitibility (mm/sec)	NE	NE	NE	NA	NA	NA	NA	neg
Temperature at Analysis (deg f)	NE	NE	NE	NA	NA	NA	NA	1960
pH (S.U.)	NE	NE	NE	NA	NA	NA	NA	6.22
Other								
CT ETPH (mg/kg)	500	2500	2500	**1300**	**2600**	**14,000**	**260**	**2100**

Table 2
Summary of Soil Pile Sampling - AOC-A
Site Characterization Report
MacDermid, Inc.
526 Huntingdon Avenue
Waterbury, Connecticut

Notes:

mg/kg - milligrams/kilogram or parts per million (ppm)
mg/l - milligrams per liter (ppm)
mm/sec - millimeters per second
VOCs - Volatile Organic Compounds
PCBs - Polychlorinated Biphenyls
TCLP - Toxicity Characteristics Leaching Procedure
deg f - degrees Fahrenheit
S.U. - Standard Units

RES DEC - Residential direct exposure criteria means the concentrations identified as residential direct exposure criteria in Appendix A to sections 22a-133k-1 through 22a-133k-3 of the Regulations of Connecticut State Agencies.

I/C DEC - Industrial/commercial direct exposure criteria means the concentrations identified as industrial/commercial direct exposure criteria in Appendix A to sections 22a-133k-1 through 22a-133k-3 of the Regulations of Connecticut State Agencies.

GB - means an area where the ground-water classification is GB

PMC - Pollutant mobility criteria means the concentrations identified in Appendix B to sections 22a-133k-1through 22a-133k-3 of the Regulations of Connecticut State Agencies or any alternative pollutant mobility criteria approved by the Commissioner pursuant to subsection 22a-133k-2(d) of the Regulations of Connecticut State Agencies.

NA - not applicable
NE - not established
SS - if statewide criteria have not been established, but site specific criteria are available, this is denoted by the prefix "SS" and the most conservative site specific value are listed.

Bolding indicates a detected result value
Yellow shading indicates exceedance of residential direct exposure criteria
Gray shading indicates exceedance of industrial/commercial direct exposure criteria
Green shading indicates exceedance of groundwater pollutant mobility criteria

Validation Qualifiers:
J - indicates estimated value
U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis

Table 3
Summary of Soil Analytical Results
Site Characterization Report
MacDermid Site
Waterbury, CT

Sample Name: Sample Interval (feet): Sample Date: Area of Concern:	GB PMC	RES DEC	I/C DEC	SB-6 (2-4) 11/17/2008 AOC-A	SB-7 (5-5.5) 11/17/2008 AOC-A	SB-10 (5-6) 11/17/2008 AOC-A	SB-12 (4-5) 11/17/2008 AOC-A	SB-15 (4-5) 11/17/2008 AOC-A	SB-17 (4-5) 11/17/2008 AOC-A	SB-19 (5-6) 11/17/2008 AOC-A	SB-21 (8-10) 12/1/2008 AOC-E1	SB-22 (9-10) 12/1/2008 AOC-E1	SB-24 (10-11) 12/1/2008 AOC-E1	SB-27 (5-6) 12/2/2008 AOC-E1	SB/MW-32 (4-6) 12/3/2008 AOC-E1	SB-33 (2-3) 12/3/2008 AOC-E1	SB-34 (14-15) 12/3/2008 AOC-E1	SB-35 (5-6) 12/3/2008 AOC-E1	SB-37 (3.5-4.5) 12/4/2008 AOC-E1	SB-38 (7-9) 12/4/2008 AOC-E1
BTEX (mg/kg)																				
Benzene	0.2	21	200	0.012 U	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	**0.061 J**	0.0049 UJ	0.0084 UJ	0.0055 UJ	**0.012 J**	0.0058 UJ	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Toluene	67	500	1000	**0.012 J**	0.0054 U	0.0055 U	0.0058 U	**0.009 J**	**0.011 J**	0.019 U	**0.12 J**	**0.009 J**	0.0084 UJ	0.0055 UJ	**0.076 J**	0.0058 UJ	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Ethylbenzene	10.1	500	1000	**0.72 J**	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	**0.069 J**	0.0049 UJ	0.0084 UJ	0.0055 UJ	**0.04 J**	0.0058 UJ	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
VOCs -volatile organic compounds	NE	NE	NE	**0.72 J**	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	**0.022 J**	**0.006 J**	0.0084 UJ	0.0055 UJ	**0.21 J**	0.0058 UJ	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Xylene, o-	NE	NE	NE	**0.012 J**	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	**0.014 J**	0.0049 UJ	0.0084 UJ	0.0055 UJ	**0.12 J**	0.0058 UJ	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Total Xylene	19.5	500	1000	**0.732**	ND	ND	ND	ND	ND	ND	**0.036**	**0.0006**	ND	ND	**0.33**	ND	ND	ND	ND	ND
Other VOCs (mg/kg)																				
Acetone	140	500	1000	0.047 U	0.022 U	0.022 U	0.023 U	0.036 U	0.044 U	0.074 U	**0.66 J**	**0.16 J**	0.034 UJ	**0.11 J**	**0.099 J**	**0.17 J**	0.021 UJ	0.035 UJ	0.022 U	0.034 U
Butanone, 2-	80	500	1000	0.023 U	0.011 U	0.011 U	0.012 U	0.018 U	0.022 U	0.037 U	**0.23 J**	**0.051 J**	0.017 UJ	0.011 UJ	**0.032 J**	**0.052 J**	0.01 UJ	0.017 UJ	0.011 U	0.017 U
Butylbenzene, n-	14	500	1000	0.012 UJ	0.0054 UJ	0.0055 UJ	0.0058 UJ	0.009 UJ	0.011 UJ	0.019 UJ	0.37 UJ	0.0049 UJ	0.0084 UJ	0.0055 UJ	**0.08 J**	**0.039 J**	0.0052 UJ	0.0086 UJ	0.0055 UJ	0.0086 UJ
Butylbenzene, tert-	14	500	1000	0.012 UJ	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	0.37 UJ	0.0049 UJ	0.0084 UJ	0.0055 UJ	**0.0096 J**	0.0052 UJ	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Butylbenzene,sec-	14	500	1000	0.012 UJ	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	**0.028 J**	0.0049 UJ	0.0084 UJ	0.0055 UJ	**0.14 J**	**0.023 J**	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Carbon disulfide	140	500	1000	0.012 U	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	**0.01 J**	**0.0088 J**	0.0084 UJ	0.0055 UJ	**0.0068 J**	**0.024 J**	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Chlorobenzene	20	500	1000	**0.72 J**	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	0.37 UJ	0.0049 UJ	0.0084 UJ	0.0055 UJ	**0.24 J**	0.0058 UJ	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Chloroform	1.2	100	940	**0.025**	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	**0.036**	0.37 UJ	0.0049 UJ	0.0084 UJ	0.0055 UJ	0.0057 UJ	0.0058 UJ	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Dichlorobenzene,1,2-	3.1	500	1000	**0.068 J**	0.0054 U	0.0055 U	0.0058 U	0.009 U	**0.011 J**	**0.019 J**	**0.12 J**	**0.0055 J**	0.0084 UJ	0.0055 UJ	**0.36 J**	R	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Dichlorobenzene,1,3-	120	500	1000	0.012 UJ	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	0.37 UJ	0.0049 UJ	0.0084 UJ	0.0055 UJ	**0.021 J**	R	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Dichlorobenzene,1,4-	15	26	240	**0.013 J**	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	**0.014 J**	0.0049 UJ	0.0084 UJ	0.0055 UJ	**0.074 J**	R	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Dichloroethene, cis-1,2-	14	500	1000	0.012 U	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	0.37 UJ	0.0049 UJ	0.0084 UJ	0.0055 UJ	0.0057 UJ	0.0058 UJ	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Isopropyl benzene	132	500	1000	0.012 UJ	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	**0.011 J**	**0.0049 J**	0.0084 UJ	0.0055 UJ	**0.026 J**	**0.0065 J**	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Isopropyltoluene,4-	41.8	500	1000	0.012 UJ	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	**0.15 J**	0.0049 UJ	0.0084 UJ	0.0055 UJ	**0.19 J**	**0.02 J**	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Naphthalene	56	1000	2500	0.012 UJ	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	**0.045 J**	**0.024 J**	0.0084 UJ	0.0055 UJ	**1.8 J**	**0.026 J**	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Propylbenzene, n-	14	500	1000	0.012 UJ	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	**0.024 J**	0.0049 UJ	0.0084 UJ	0.0055 UJ	**0.061 J**	**0.0088 J**	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Tetrachloroethene	1	12	110	**2.3**	0.0054 U	0.0055 U	**0.0084**	0.009 U	**0.048**	**0.2**	0.37 UJ	0.0049 UJ	0.0084 UJ	0.0055 UJ	0.0057 UJ	0.0058 UJ	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	**0.012 J**	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	0.37 UJ	0.0049 UJ	0.0084 UJ	0.0055 UJ	0.0057 UJ	0.0058 UJ	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Trichlorobenzene, 1,2,3-	NE	NE	NE	0.012 UJ	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	0.37 UJ	0.0049 UJ	0.0084 UJ	0.0055 UJ	0.0057 UJ	R	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Trichlorobenzene, 1,2,4-	14	680	2500	**0.012 J**	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	0.37 UJ	0.0049 UJ	0.0084 UJ	0.0055 UJ	0.0057 UJ	R	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Trichloroethane, 1,1,1-	40	500	1000	**0.059**	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	0.37 UJ	0.0049 UJ	0.0084 UJ	0.0055 UJ	0.0057 UJ	0.0058 UJ	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Trichloroethene	1	56	520	**0.72 J**	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	0.37 UJ	0.0049 UJ	0.0084 UJ	0.0055 UJ	0.0057 UJ	0.0058 UJ	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Trichlorofluoromethane	260	500	1000	0.012 U	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	0.37 UJ	0.0049 UJ	0.0084 UJ	0.0055 UJ	0.0057 UJ	0.0058 UJ	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Trimethylbenzene, 1,2,4-	70	500	1000	**0.012 J**	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	**0.35 J**	**0.023 J**	0.0084 UJ	0.0055 UJ	**1.2 J**	**0.032 J**	0.0052 UJ	0.0086 UJ	0.0055 U	**0.011**
Trimethylbenzene, 1,3,5-	70	500	1000	0.012 UJ	0.0054 U	0.0055 U	0.0058 U	0.009 U	0.011 U	0.019 U	**0.15 J**	**0.011 J**	0.0084 UJ	0.0055 UJ	**0.51 J**	**0.017 J**	0.0052 UJ	0.0086 UJ	0.0055 U	0.0086 U
Non-carcinogenic PAHs (mg/kg)																				
Acenaphthylene	84	1000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	400	1000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo[g,h,i]perylene	42	1000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	56	1000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	56	1000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	40	1000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	40	1000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carcinogenic PAHs (mg/kg)																				
Benz[a]anthracene	1	1	7.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo[a]pyrene	1	1	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo[b]fluoranthene	1	1	7.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo[k]fluoranthene	1	8.4	78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	1	84	780	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz[a,h]anthracene	1	1	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene	1	1	7.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg)																				
Aroclor 1254	NE	NE	NE	0.42 U	NA	NA	NA	NA	NA	**0.54**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	NE	NE	NE	**0.35**	NA	NA	NA	NA	NA	0.21 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NE	1	10	**0.35**	NA	NA	NA	NA	NA	**0.54**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Summary of Soil Analytical Results
Site Characterization Report
MacDermid Site
Waterbury, CT

Sample Name: Sample Interval (feet): Sample Date: Area of Concern:	GB PMC	RES DEC	I/C DEC	SB-6 (2-4) 11/17/2008 AOC-A	SB-7 (5-5.5) 11/17/2008 AOC-A	SB-10 (5-6) 11/17/2008 AOC-A	SB-12 (4-5) 11/17/2008 AOC-A	SB-15 (4-5) 11/17/2008 AOC-A	SB-17 (4-5) 11/17/2008 AOC-A	SB-19 (5-6) 11/17/2008 AOC-A	SB-21 (8-10) 12/1/2008 AOC-E1	SB-22 (9-10) 12/1/2008 AOC-E1	SB-24 (10-11) 12/1/2008 AOC-E1	SB-27 (5-6) 12/2/2008 AOC-E1	SB/MW-32 (4-6) 12/3/2008 AOC-E1	SB-33 (2-3) 12/3/2008 AOC-E1	SB-34 (14-15) 12/3/2008 AOC-E1	SB-35 (5-6) 12/3/2008 AOC-E1	SB-37 (3.5-4.5) 12/4/2008 AOC-E1	SB-38 (7-9) 12/4/2008 AOC-E1
Total Metals (mg/kg)																				
Antimony	NE	27	8200	NA	10.3 U	10 U	**12.9**	11.1 U	**2.8 J**	NA	14.1 U	72.9 U	9.9 U	12.7 U	12 U	60.6 U	14.1 U	9.6 U	14.4 U	11.5 U
Arsenic	NE	10	10	NA	**5.2 J**	**5 J**	**15.9**	**5.6 J**	**9 J**	NA	**18.7 J**	36.4 UJ	**5.5 J**	**13.7 J**	6 UJ	30.3 UJ	7 UJ	4.8 UJ	**8.3 J**	5.7 UJ
Barium	NE	4700	140000	NA	**31.8**	**39.3**	**267**	**64.9**	**155**	NA	**95.9**	**56.6**	**53.1**	**61.3**	**61.9**	**171**	**48.4**	**56.3**	**50.8**	**34.5**
Beryllium	NE	2	2	NA	2.1 U	2 U	2.6 U	2.2 U	3.6 U	NA	2.8 U	14.6 U	2 U	2.5 U	2.4 U	12.1 U	2.8 U	1.9 U	2.9 U	2.3 U
Cadmium	NE	34	1000	NA	5.2 U	5 U	**30.5**	5.6 U	**9**	NA	7 U	36.4 U	4.9 U	6.4 U	6 U	30.3 U	7 U	4.8 U	7.2 U	5.7 U
Chromium	NE	100/3900	100/51000	NA	**15.6**	**9**	**8000**	**303**	**2150**	NA	**845 J**	**2890 J**	**432 J**	**468 J**	**159 J**	**411 J**	**16.7 J**	**93.3 J**	**17.2 J**	**10 J**
Chromium (VI)	NE	100	100	NA	NA	NA	NA	NA	NA	NA	NA	**1.2**	NA	**1.3**	**1.2**	**1.2**	NA	NA	NA	NA
Cobalt	NE	70	NE	NA	**6.9**	**5.6**	**107**	**6.3**	**18.8**	NA	**14 J**	**24.5 J**	**6.9**	**11 J**	**6.7**	12.1 U	**10.1**	**5.5**	**4.8**	**3.6**
Copper	NE	2500	76000	NA	**51.6**	**94.2**	**24400**	**580**	**3800**	NA	**482 J**	**10600 J**	**710 J**	**424 J**	**610 J**	**2500 J**	**22 J**	**30 J**	**51.3 J**	**10.9 J**
Lead	NE	400	1000	NA	**5.2**	**8.3**	**457**	**19.1**	**169**	NA	**248 J**	**183 J**	**37.8 J**	**129 J**	**61 J**	**998 J**	**7.5 J**	**7.9 J**	**54.4 J**	5.7 UJ
Mercury	NE	20	610	NA	**0.051 J**	0.051 U	**2.3**	**0.19**	**7.1**	NA	**0.2**	**0.17**	**0.26 J**	**0.075**	0.059 U	**0.7**	0.061 U	**0.08**	0.063 U	0.05 U
Nickel	NE	1400	7500	NA	**39.1**	**14.5**	**4320**	**100**	**921**	NA	**155 J**	**358 J**	**147 J**	**87.2 J**	**30.1 J**	**99.7 J**	**17.7 J**	**24 J**	**15.5 J**	**6.9 J**
Selenium	NE	340	10000	NA	10.3 U	**10 J**	**2.5 J**	11.1 U	**18.1 J**	NA	14.1 UJ	72.9 UJ	9.9 U	12.7 UJ	12 U	60.6 U	14.1 U	9.6 U	14.4 U	11.5 U
Silver	NE	340	10000	NA	3.1 U	3 U	**11.9**	**3.3 J**	**5.4 J**	NA	4.2 U	21.9 U	3 U	3.8 U	3.6 U	18.2 U	4.2 U	2.9 U	4.3 U	3.4 U
Thallium	NE	5.4	160	NA	7.2 U	7 U	9 U	7.8 U	12.6 U	NA	9.9 UJ	51 UJ	6.9 UJ	8.9 UJ	8.4 UJ	42.4 UJ	9.9 UJ	6.7 UJ	10.1 UJ	8 UJ
Tin	NE	SS-1999	SS-2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	470	14000	NA	**10.2**	**28**	**20.7**	**21**	**42.3**	NA	**48.5**	**37.7**	**20.1**	**41.2**	**19.3**	**38.8**	**29.5**	**24.5**	**29.9**	**13.5**
Zinc	NE	20000	610000	NA	**42.9**	**47.1**	**1720**	**122**	**427**	NA	**317**	**533**	**186**	**130**	**114**	**698**	**49**	**36.4**	**118**	**24.7**
TCLP Metals (mg/L)																				
Arsenic	0.1	NE	NE	0.2 U	NA	NA	NA	NA	NA	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10	NE	NE	**0.3**	NA	NA	NA	NA	NA	**0.096**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.05	NE	NE	**0.066**	NA	NA	NA	NA	NA	**0.13**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.5	NE	NE	**0.16**	NA	NA	NA	NA	NA	**0.25**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.15	NE	NE	0.05 U	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.02	NE	NE	0.002 U	NA	NA	NA	NA	NA	0.002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.5	NE	NE	0.15 U	NA	NA	NA	NA	NA	0.15 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	0.36	NE	NE	0.03 U	NA	NA	NA	NA	NA	0.03 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP Metals (mg/L)																				
Antimony	0.06	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	0.1	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	0.04	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.05	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.5	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	0.1	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	13	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.15	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.02	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	1	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.5	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	0.36	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.05	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	0.5	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	50	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Cyanide (mg/kg)																				
Cyanide, Total	2	1400	41000	NA	0.52 U	0.55 U	0.65 U	**0.55 J**	**49.7**	NA	1.2 U	**4.1**	0.89 U	0.89 U	1 U	0.93 U	0.97 U	**3.4**	1.1 U	0.68 U
Disposal																				
Ignitibility (mm/sec)	NE	NE	NE	neg	NA	NA	NA	NA	NA	neg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (S.U.)	NE	NE	NE	5.57	NA	NA	NA	NA	NA	5.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide Reactivity (mg/kg)	NE	NE	NE	20 U	NA	NA	NA	NA	NA	20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Extractable Petroleum																				
CT ETPH (mg/kg)	2500	500	2500	**1900 J**	**48**	**31**	**320**	**170**	**370**	**1400 J**	NA	**37000**	**300 J**	**4400**	**6800**	**13000**	15 U	**1100**	**71**	15U

Table 3
Summary of Soil Analytical Results
Site Characterization Report
MacDermid Site
Waterbury, CT

Sample Name:				SB-39	SB-41	SB-43	SB-44	SB-44	SB-45	SB-46	SB/MW-47	SB/MW-48	SB-49	SB-50	SB-51	SB-52	SB/MW-53	SB-54	SB-55
Sample Interval (feet):				(8-9)	(7-8)	(10-12)	(7-8)	(14-15)	(10-11)	(14-15)	(24-25)	(24-25)	(1.5-2.5)	(1.5-2.5)	(1.5-2.5)	(1.5-2.5)	(1.5-2.5)	(1.5-2.5)	(1.5-2.5)
Sample Date:				12/4/2008	12/4/2008	12/4/2008	12/5/2008	12/5/2008	4/27/2009	4/27/2009	4/27/2009	4/27/2009	4/28/2009	4/28/2009	4/28/2009	4/29/2009	4/29/2009	4/29/2009	4/29/2009
Area of Concern:	GB PMC	RES DEC	I/C DEC	AOC-E1	AOC-E1	AOC-E1	AOC-E1	AOC-E1	AOC-F	AOC-F	AOC-C	AOC-K, I, J	AOC-F	AOC-D2	AOC-D2	AOC-D1	AOC-D2	AOC-D1	AOC-D1
BTEX (mg/kg)																			
Benzene	0.2	21	200	**0.022 J**	0.006 U	0.0058 UJ	0.0049 UJ	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Toluene	67	500	1000	**0.049 J**	0.006 U	0.0058 UJ	0.0049 UJ	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Ethylbenzene	10.1	500	1000	**0.036 J**	0.006 U	0.0058 UJ	0.0049 UJ	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
VOCs -volatile organic compounds	NE	NE	NE	**0.078 J**	0.006 U	**0.45**	**0.009 J**	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Xylene, o-	NE	NE	NE	**0.048 J**	0.006 U	**0.29 J**	**0.0075 J**	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Total Xylene	19.5	500	1000	**0.126**	ND	**0.74**	**0.0165**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (mg/kg)																			
Acetone	140	500	1000	**0.41 J**	**0.23 J**	**0.051 J**	0.02 UJ	0.02 U	0.023 U	0.026 U	0.024 U	0.026 U	0.023 U	0.02 U	0.022 U	0.02 U	0.021 U	0.023 UJ	0.032 UJ
Butanone, 2-	80	500	1000	0.017 UJ	**0.07 J**	0.012 UJ	0.0099 UJ	0.0099 U	0.011 U	0.013 U	0.012 U	0.013 U	0.012 U	0.01 U	0.011 U	0.01 U	0.01 U	0.012 UJ	0.016 UJ
Butylbenzene, n-	14	500	1000	0.43 U	0.006 UJ	**0.15 J**	0.0049 UJ	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Butylbenzene, tert-	14	500	1000	0.43 U	0.006 UJ	0.0058 UJ	0.0049 UJ	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Butylbenzene,sec-	14	500	1000	**0.069 J**	0.006 UJ	**0.31 J**	0.0049 UJ	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Carbon disulfide	140	500	1000	**0.093 J**	0.006 U	0.0058 UJ	0.0049 UJ	0.0049 U	0.0057 UJ	0.0066 UJ	0.006 UJ	0.0065 UJ	0.0058 UJ	0.0051 UJ	0.0054 UJ	0.005 UJ	0.0052 UJ	0.0059 UJ	0.0081 UJ
Chlorobenzene	20	500	1000	0.0083 UJ	0.006 U	**3.1**	**0.23 J**	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Chloroform	1.2	100	940	0.0083 UJ	0.006 U	0.0058 UJ	0.0049 UJ	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Dichlorobenzene,1,2-	3.1	500	1000	**0.12 J**	0.006 UJ	**11**	**5.8**	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Dichlorobenzene,1,3-	120	500	1000	0.43 U	0.006 UJ	**0.19 J**	**0.64**	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Dichlorobenzene,1,4-	15	26	240	**0.026 J**	0.006 UJ	**1.2**	**0.86**	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Dichloroethene, cis-1,2-	14	500	1000	0.0083 UJ	0.006 U	**0.79**	**0.0091 J**	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Isopropyl benzene	132	500	1000	**0.031 J**	0.006 UJ	**0.027 J**	0.0049 UJ	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Isopropyltoluene,4-	41.8	500	1000	**0.12 J**	0.006 UJ	**0.03 J**	0.0049 UJ	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Naphthalene	56	1000	2500	**0.35 J**	**0.029 J**	**1.5 J**	**1.2 J**	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Propylbenzene, n-	14	500	1000	**0.074 J**	0.006 UJ	**0.21 J**	0.0049 UJ	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Tetrachloroethene	1	12	110	0.0083 UJ	0.006 U	**0.16 J**	**0.56 J**	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	**0.0086**	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	0.0083 UJ	0.006 U	0.0058 UJ	0.0049 UJ	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Trichlorobenzene, 1,2,3-	NE	NE	NE	0.43 U	0.006 UJ	**0.71**	**2.1 J**	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Trichlorobenzene, 1,2,4-	14	680	2500	0.43 U	0.006 UJ	**0.87**	**5.7 J**	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Trichloroethane, 1,1,1-	40	500	1000	0.0083 UJ	0.006 U	0.0058 UJ	0.0049 UJ	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Trichloroethene	1	56	520	0.0083 UJ	0.006 U	**0.22 J**	**0.011 J**	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Trichlorofluoromethane	260	500	1000	0.0083 UJ	0.006 U	0.0058 UJ	0.0049 UJ	0.0049 U	**0.0084**	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Trimethylbenzene, 1,2,4-	70	500	1000	**0.18 J**	**0.013 J**	**0.97**	**0.49 J**	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Trimethylbenzene, 1,3,5-	70	500	1000	**0.3 J**	**0.0072 J**	**0.82**	**0.0094 J**	0.0049 U	0.0057 U	0.0066 U	0.006 U	0.0065 U	0.0058 U	0.0051 U	0.0054 U	0.005 U	0.0052 U	0.0059 UJ	0.0081 UJ
Non-carcinogenic PAHs (mg/kg)																			
Acenaphthylene	84	1000	2500	NA	NA	NA	NA	NA	**2.6**	0.28 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	400	1000	2500	NA	NA	NA	NA	NA	**2.2**	0.28 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo[g,h,i]perylene	42	1000	2500	NA	NA	NA	NA	NA	**3.8**	0.28 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	56	1000	2500	NA	NA	NA	NA	NA	**13**	0.28 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	56	1000	2500	NA	NA	NA	NA	NA	**0.44**	0.28 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	40	1000	2500	NA	NA	NA	NA	NA	**2.1**	0.28 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	40	1000	2500	NA	NA	NA	NA	NA	**11**	0.28 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carcinogenic PAHs (mg/kg)																			
Benz[a]anthracene	1	1	7.8	NA	NA	NA	NA	NA	**7.0**	0.28 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo[a]pyrene	1	1	1	NA	NA	NA	NA	NA	**5.5**	0.28 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo[b]fluoranthene	1	1	7.8	NA	NA	NA	NA	NA	**5.9**	0.28 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo[k]fluoranthene	1	8.4	78	NA	NA	NA	NA	NA	**2.8**	0.28 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	1	84	780	NA	NA	NA	NA	NA	**6.2**	0.28 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz[a,h]anthracene	1	1	1	NA	NA	NA	NA	NA	**1.9**	0.28 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene	1	1	7.8	NA	NA	NA	NA	NA	**4.3**	0.28 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg)																			
Aroclor 1254	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NE	1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Summary of Soil Analytical Results
Site Characterization Report
MacDermid Site
Waterbury, CT

Sample Name:				SB-39	SB-41	SB-43	SB-44	SB-44	SB-45	SB-46	SB/MW-47	SB/MW-48	SB-49	SB-50	SB-51	SB-52	SB/MW-53	SB-54	SB-55
Sample Interval (feet):				(8-9)	(7-8)	(10-12)	(7-8)	(14-15)	(10-11)	(14-15)	(24-25)	(24-25)	(1.5-2.5)	(1.5-2.5)	(1.5-2.5)	(1.5-2.5)	(1.5-2.5)	(1.5-2.5)	(1.5-2.5)
Sample Date:				12/4/2008	12/4/2008	12/4/2008	12/5/2008	12/5/2008	4/27/2009	4/27/2009	4/27/2009	4/27/2009	4/28/2009	4/28/2009	4/28/2009	4/29/2009	4/29/2009	4/29/2009	4/29/2009
Area of Concern:	GB PMC	RES DEC	I/C DEC	AOC-E1	AOC-E1	AOC-E1	AOC-E1	AOC-E1	AOC-F	AOC-F	AOC-C	AOC-K, I, J	AOC-F	AOC-D2	AOC-D2	AOC-D1	AOC-D2	AOC-D1	AOC-D1
Total Metals (mg/kg)																			
Antimony	NE	27	8200	67.9 U	70.6 U	13 U	10 U	11.4 U	NA	NA	4.3 U	4.4 U	4.2 U	4.2 U	4.2 U	4.3 U	4.2 U	4.3 U	4.4 U
Arsenic	NE	10	10	33.9 UJ	35.3 UJ	6.5 UJ	5 UJ	5.7 UJ	NA	NA	5.5 U	5.6 U	5.4 U	5.4 U	5.3 U	5.4 U	5.3 U	5.4 U	5.5 U
Barium	NE	4700	140000	**84.7**	**52.4**	**135**	**93**	**52.3**	NA	NA	**81.9**	**51.1**	**27.6**	**29.7**	**13**	**45**	**28.1**	**56.5**	**54.7**
Beryllium	NE	2	2	13.6 U	14.1 U	2.6 U	2 U	2.3 U	NA	NA	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Cadmium	NE	34	1000	33.9 U	35.3 U	**35.4**	**26.2**	5.7 U	NA	NA	1.3 U	1.3 U	1.3 U	**2**	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chromium	NE	100/3900	100/51000	**2110 J**	**581 J**	**500 J**	**513 J**	**176 J**	NA	NA	**16.1**	**11**	**7.7**	**86.5**	**4.3**	**8.6**	**9.3**	**28.1**	**13.7**
Chromium (VI)	NE	100	100	NA	NA	NA	NA	**2.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	70	NE	**20.8 J**	14.1 U	**8.5**	**7**	**3.3**	NA	NA	**6.1**	**4.6**	**3.2**	**4.1**	**2.5**	**3.7**	**3.6**	**5.5**	**4.9**
Copper	NE	2500	76000	**1470 J**	**588 J**	**453 J**	**286 J**	**1330 J**	NA	NA	**13.4**	**14.3**	**16.1**	**55.8**	**7.9**	**12.3**	**27**	**37.7**	**20.1**
Lead	NE	400	1000	**630 J**	**122 J**	**139 J**	**89.4 J**	**33.4 J**	NA	NA	**5.5**	4 U	**5.3**	**13.7**	3.8 U	**4.4**	3.8 U	**12.5**	**5.6**
Mercury	NE	20	610	**0.18**	**0.14**	**0.18**	**0.55**	0.05 U	NA	NA	0.052 U	0.05 U	0.051 U	**0.07**	0.052 U	0.051 U	0.052 U	0.051 U	0.049 U
Nickel	NE	1400	7500	**304 J**	**119 J**	**449 J**	**541 J**	**8 J**	NA	NA	**14.4**	**11.4**	**8.1**	**46.9**	**5.1**	**7.3**	**10.1**	**19.1**	**12**
Selenium	NE	340	10000	67.9 U	70.6 U	13 U	10 U	11.4 U	NA	NA	9.8 U	9.9 U	9.6 U	9.6 U	9.5 U	9.7 U	9.5 U	9.7 U	9.9 U
Silver	NE	340	10000	20.4 U	21.2 U	**4.1**	3 U	3.4 U	NA	NA	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Thallium	NE	5.4	160	47.5 UJ	49.4 UJ	9.1 UJ	7 UJ	8 UJ	NA	NA	3.9 U	4 U	3.8 U	3.9 U	3.8 U	3.9 U	3.8 U	3.9 U	4 U
Tin	NE	SS-1999	SS-2000	NA	NA	NA	NA	NA	NA	NA	3.9 U	4 U	3.8 U	**4.5**	3.8 U	3.9 U	3.8 U	3.9 U	4 U
Vanadium	NE	470	14000	**106**	28.3 U	**24.2**	**31.8**	**20.8**	NA	NA	**22.4**	**16.8**	**10.3**	**15.7**	**7.7**	**15.4**	**13.5**	**19.4**	**17.5**
Zinc	NE	20000	610000	**351**	**242**	**645**	**592**	**191**	NA	NA	**35.2**	**26.3**	**22.3**	**92.2**	**10**	**27.8**	**18.4**	**44.7**	**30.7**
TCLP Metals (mg/L)																			
Arsenic	0.1	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.05	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.5	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.15	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.02	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.5	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	0.36	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP Metals (mg/L)																			
Antimony	0.06	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	0.1	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.0025**	NA	NA	NA	NA	NA
Barium	10	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	0.04	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.05	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.0026**	NA	NA	NA	NA	NA
Chromium	0.5	NE	NE	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	NA	**0.124**	NA	NA	NA	**0.0336**	**0.0192**
Cobalt	0.1	NE	NE	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	**0.0072**	0.0025 U	0.0025 U
Copper	13	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.15	NE	NE	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.0025 U	0.0025 U	**0.012**	NA	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Mercury	0.02	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	1	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.0542**	NA	NA	NA	NA	NA
Selenium	0.5	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	0.36	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.05	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	0.5	NE	NE	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.0025 U	0.0025 U	**0.011**	NA	**0.0027**	0.0025 U	**0.0076**	**0.0048**
Zinc	50	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Cyanide (mg/kg)																			
Cyanide, Total	2	1400	41000	1.1 U	1 U	**53.1**	**47.2**	0.84 U	NA	NA	0.54 U	0.53 U	0.52 U	**2.8**	0.52 U	0.51 U	0.51 U	0.52 U	0.52 U
Disposal																			
Ignitibility (mm/sec)	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (S.U.)	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide Reactivity (mg/kg)	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Extractable Petroleum																			
CT ETPH (mg/kg)	2500	500	2500	**68000**	**6300**	**1300**	**430**	12 U	**2000**	12 U	NA	NA	12 U	**54**	12 U	13 U	12 U	23 U	38 U

Table 3
Summary of Soil Analytical Results
Site Characterization Report
MacDermid Site
Waterbury, CT

Sample Name:				SB-59	SB-60	SB-61	SB/MW-62	SB-63	SB-64	SB-66	SB-67	SB-68	SB-69	SB-70	SB-71	Duplicate of: SB-71	SB-72	SB/MW-73	SB/MW-74	Duplicate of: SB/MW-74
Sample Interval (feet):				(1-2)	(1-2)	(9-10)	(2.5-3.5)	(1-5)	(1-3)	(5-7)	(2-3)	(2-5)	(2-5)	(2-5)	(12.5-14.5)	(12.5-14.5)	(12.5-14.5)	(1.5-2.5)	(1.5-3.5)	(1.5-3.5)
Sample Date:				4/29/2009	4/29/2009	4/30/2009	4/30/2009	5/1/2009	5/1/2009	5/1/2009	5/1/2009	5/1/2009	5/1/2009	5/1/2009	5/4/2009	5/4/2009	5/4/2009	5/5/2009	5/5/2009	5/5/2009
Area of Concern:	GB PMC	RES DEC	I/C DEC	AOC-H	AOC-H	AOC-L	AOC-L	AOC-K5	AOC-K5	AOC-K4	AOC-K6	AOC-K8	AOC-K8	AOC-K6	AOC-I/J	AOC-I/J	AOC-I/J	AOC-G	AOC-G	AOC-G
BTEX (mg/kg)																				
Benzene	0.2	21	200	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Toluene	67	500	1000	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Ethylbenzene	10.1	500	1000	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
VOCs -volatile organic compounds	NE	NE	NE	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Xylene, o-	NE	NE	NE	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Total Xylene	19.5	500	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (mg/kg)																				
Acetone	140	500	1000	0.02 U	0.02 U	0.027 U	0.021 U	0.022 U	0.024 U	0.025 U	0.028 U	0.027 U	0.03 U	0.04 U	0.022 U	0.021 U	0.02 U	0.017 U	0.017 U	0.021 U
Butanone, 2-	80	500	1000	0.01 U	0.01 U	0.014 U	0.011 U	0.011 U	0.012 U	0.012 U	0.014 U	0.013 U	0.015 U	0.02 U	0.011 U	0.01 U	0.0098 U	0.0087 U	0.0085 U	0.01 U
Butylbenzene, n-	14	500	1000	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Butylbenzene, tert-	14	500	1000	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Butylbenzene,sec-	14	500	1000	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Carbon disulfide	140	500	1000	0.005 UJ	0.0051 UJ	**0.0068 J**	0.0053 UJ	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 UJ	0.0043 UJ	0.0052 UJ
Chlorobenzene	20	500	1000	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Chloroform	1.2	100	940	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Dichlorobenzene,1,2-	3.1	500	1000	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Dichlorobenzene,1,3-	120	500	1000	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Dichlorobenzene,1,4-	15	26	240	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Dichloroethene, cis-1,2-	14	500	1000	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Isopropyl benzene	132	500	1000	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Isopropyltoluene,4-	41.8	500	1000	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Naphthalene	56	1000	2500	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Propylbenzene, n-	14	500	1000	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Tetrachloroethene	1	12	110	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	**0.014 J**	**0.024 J**
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Trichlorobenzene, 1,2,3-	NE	NE	NE	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Trichlorobenzene, 1,2,4-	14	680	2500	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Trichloroethane, 1,1,1-	40	500	1000	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Trichloroethene	1	56	520	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	**0.0081**	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Trichlorofluoromethane	260	500	1000	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Trimethylbenzene, 1,2,4-	70	500	1000	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Trimethylbenzene, 1,3,5-	70	500	1000	0.005 U	0.0051 U	0.0068 U	0.0053 U	0.0056 U	0.006 U	0.0062 U	0.0069 U	0.0067 U	0.0075 U	0.01 U	0.0055 U	0.0052 U	0.0049 U	0.0044 U	0.0043 U	0.0052 U
Non-carcinogenic PAHs (mg/kg)																				
Acenaphthylene	84	1000	2500	NA	NA	NA	NA	0.28 U	0.27 U	NA	NA	NA	NA	NA	0.28 U	0.28 U	NA	NA	NA	NA
Anthracene	400	1000	2500	NA	NA	NA	NA	0.28 U	0.27 U	NA	NA	NA	NA	NA	0.28 U	0.28 U	NA	NA	NA	NA
Benzo[g,h,i]perylene	42	1000	2500	NA	NA	NA	NA	0.28 U	0.27 U	NA	NA	NA	NA	NA	0.28 U	0.28 U	NA	NA	NA	NA
Fluoranthene	56	1000	2500	NA	NA	NA	NA	0.28 U	0.27 U	NA	NA	NA	NA	NA	0.28 U	0.28 U	NA	NA	NA	NA
Fluorene	56	1000	2500	NA	NA	NA	NA	0.28 U	0.27 U	NA	NA	NA	NA	NA	0.28 U	0.28 U	NA	NA	NA	NA
Phenanthrene	40	1000	2500	NA	NA	NA	NA	0.28 U	0.27 U	NA	NA	NA	NA	NA	0.28 U	0.28 U	NA	NA	NA	NA
Pyrene	40	1000	2500	NA	NA	NA	NA	0.28 U	0.27 U	NA	NA	NA	NA	NA	0.28 U	0.28 U	NA	NA	NA	NA
Carcinogenic PAHs (mg/kg)																				
Benz[a]anthracene	1	1	7.8	NA	NA	NA	NA	0.28 U	0.27 U	NA	NA	NA	NA	NA	0.28 U	0.28 U	NA	NA	NA	NA
Benzo[a]pyrene	1	1	1	NA	NA	NA	NA	0.28 U	0.27 U	NA	NA	NA	NA	NA	0.28 U	0.28 U	NA	NA	NA	NA
Benzo[b]fluoranthene	1	1	7.8	NA	NA	NA	NA	0.28 U	0.27 U	NA	NA	NA	NA	NA	0.28 U	0.28 U	NA	NA	NA	NA
Benzo[k]fluoranthene	1	8.4	78	NA	NA	NA	NA	0.28 U	0.27 U	NA	NA	NA	NA	NA	0.28 U	0.28 U	NA	NA	NA	NA
Chrysene	1	84	780	NA	NA	NA	NA	0.28 U	0.27 U	NA	NA	NA	NA	NA	0.28 U	0.28 U	NA	NA	NA	NA
Dibenz[a,h]anthracene	1	1	1	NA	NA	NA	NA	0.28 U	0.27 U	NA	NA	NA	NA	NA	0.28 U	0.28 U	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene	1	1	7.8	NA	NA	NA	NA	0.28 U	0.27 U	NA	NA	NA	NA	NA	0.28 U	0.28 U	NA	NA	NA	NA
PCBs (mg/kg)																				
Aroclor 1254	NE	NE	NE	NA	NA	0.02 U	0.021 U	NA	NA	NA	NA	NA	NA	NA	0.018 U	0.018 U	0.018 U	NA	NA	NA
Aroclor 1260	NE	NE	NE	NA	NA	0.02 U	0.021 U	NA	NA	NA	NA	NA	NA	NA	0.018 U	0.018 U	0.018 U	NA	NA	NA
Total PCBs	NE	1	10	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA

Table 3
Summary of Soil Analytical Results
Site Characterization Report
MacDermid Site
Waterbury, CT

Sample Name:				SB-59	SB-60	SB-61	SB/MW-62	SB-63	SB-64	SB-66	SB-67	SB-68	SB-69	SB-70	SB-71	Duplicate of: SB-71	SB-72	SB/MW-73	SB/MW-74	Duplicate of: SB/MW-74
Sample Interval (feet):				(1-2)	(1-2)	(9-10)	(2.5-3.5)	(1-5)	(1-3)	(5-7)	(2-3)	(2-5)	(2-5)	(2-5)	(12.5-14.5)	(12.5-14.5)	(12.5-14.5)	(1.5-2.5)	(1.5-3.5)	(1.5-3.5)
Sample Date:				4/29/2009	4/29/2009	4/30/2009	4/30/2009	5/1/2009	5/1/2009	5/1/2009	5/1/2009	5/1/2009	5/1/2009	5/1/2009	5/4/2009	5/4/2009	5/4/2009	5/5/2009	5/5/2009	5/5/2009
Area of Concern:	**GB PMC**	**RES DEC**	**I/C DEC**	AOC-H	AOC-H	AOC-L	AOC-L	AOC-K5	AOC-K5	AOC-K4	AOC-K6	AOC-K8	AOC-K8	AOC-K6	AOC-I/J	AOC-I/J	AOC-I/J	AOC-G	AOC-G	AOC-G
Total Metals (mg/kg)																				
Antimony	NE	27	8200	4.5 U	4.4 U	24.2 U	4.8 U	4.3 U	4 U	4.8 U	4.9 U	4.2 U	4.7 U	4.5 U	4.2 U	4.2 U	4.2 U	4.2 U	4.4 U	4.4 U
Arsenic	NE	10	10	5.7 U	5.6 U	30.8 U	**19.1 J**	5.5 U	5.1 U	6.1 U	6.3 U	5.3 U	6 U	5.7 U	5.4 U	5.3 U	5.4 U	5.3 U	5.6 U	5.6 U
Barium	NE	4700	140000	**23.2**	**20.4**	**80.4 J**	**26.1 J**	**45 J**	**43.7 J**	**45.7 J**	**49.1 J**	**51.7 J**	**37.7 J**	**45.6 J**	**65.1 J**	**51.3 J**	**39.9 J**	**32.8 J**	**53.4 J**	**47.4 J**
Beryllium	NE	2	2	1.4 U	1.3 U	7.3 U	1.5 U	1.3 U	1.2 U	1.5 U	1.5 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Cadmium	NE	34	1000	1.4 U	1.3 U	7.3 U	1.5 U	1.3 U	1.2 U	1.5 U	1.5 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chromium	NE	100/3900	100/51000	**14.4**	**13.7**	**2090 J**	**25.4 J**	**11.9 J**	**12.6 J**	**20.7 J**	**14.2 J**	**16.2 J**	**9 J**	**12.8 J**	**14.4 J**	**10.3 J**	**12 J**	**132 J**	**149 J**	**177 J**
Chromium (VI)	NE	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	70	NE	**3.7**	**3.3**	**26.4**	**2.2**	**4.3**	**6**	**4.8**	**4.9**	**5.6**	**4.1**	**4.9**	**5.3**	**4.1**	**4.6**	**4**	**5**	**7.3**
Copper	NE	2500	76000	**12.4**	**11.6**	**911 J**	**26.6 J**	**15.6 J**	**21 J**	**33.3 J**	**25.4 J**	**12.3 J**	**9.1 J**	**8.7 J**	**20.4 J**	**20.2 J**	**18.9 J**	**133 J**	**178 J**	**374 J**
Lead	NE	400	1000	**5.9**	**6.2**	**685**	**22**	**4.3**	**3.7**	**27.8**	**42.9**	3.8 U	**5**	**5.7**	3.9 U	5.4 U	**5.7 J**	**30.4**	**152 J**	**42.2 J**
Mercury	NE	20	610	0.052 U	0.051 U	0.058 U	0.056 U	0.052 U	0.05 U	0.054 U	0.056 U	0.049 U	0.055 U	0.055 U	0.049 U	0.051 U	0.051 U	**1.7**	**0.12**	**0.19**
Nickel	NE	1400	7500	**8.9**	**8.1**	**304**	**5.9**	**8.6**	**9.6**	**9.9**	**9.8**	**10.8**	**23.2**	**327**	**10.3**	**9.1**	**8.6**	**40.4**	**44.3**	**59.1**
Selenium	NE	340	10000	10.1 U	10 U	55.1 U	10.9 U	9.7 U	9.1 U	11 U	11.2 U	9.5 U	10.8 U	10.1 U	9.6 U	9.5 U	9.6 U	9.4 U	10 U	10 U
Silver	NE	340	10000	1.4 U	1.3 U	7.3 U	1.5 U	1.3 U	1.2 U	1.5 U	1.5 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Thallium	NE	5.4	160	4.1 U	4 U	22 U	4.4 U	3.9 U	3.6 U	4.4 U	4.5 U	3.8 U	4.3 U	4 U	3.8 U	3.8 U	3.8 U	3.8 U	4 U	4 U
Tin	NE	SS-1999	SS-2000	4.1 U	4 U	**53**	4.4 U	3.9 U	3.6 U	4.4 U	4.5 U	3.8 U	4.3 U	4 U	3.8 U	3.8 U	3.8 U	**9.4**	**15.7 J**	**27 J**
Vanadium	NE	470	14000	**14.7**	**13.5**	**26.9**	**11.6**	**15**	**20.7**	**17.8**	**23.8**	**23.1**	**12.4**	**19**	**18.1**	**12.1**	**13.8**	**12.2**	**14.7**	**22.2**
Zinc	NE	20000	610000	**16.7**	**14.7**	**292 J**	**14.9 J**	**31.9 J**	**33.7 J**	**114 J**	**69.5 J**	**27.5 J**	**25.9 J**	**28.3 J**	**27.6 J**	**24.8 J**	**26.2 J**	**47 J**	**67.7 J**	**102 J**
TCLP Metals (mg/L)																				
Arsenic	0.1	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	10	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.05	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.5	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.15	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.02	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.5	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	0.36	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP Metals (mg/L)																				
Antimony	0.06	NE	NE	0.004 U	NA	0.004 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.004 U	NA
Arsenic	0.1	NE	NE	0.0025 U	NA	0.0025 U	0.0025 U	NA	NA	NA	0.0025 U	NA	NA	NA	NA	NA	NA	0.0025 U	0.0025 U	0.0025 U
Barium	10	NE	NE	0.0025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	0.04	NE	NE	0.0025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.05	NE	NE	0.0025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.5	NE	NE	0.005 U	0.005 U	0.005 U	0.005 U	0.0059 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	**0.0197**	**0.0205**
Cobalt	0.1	NE	NE	0.0025 U	0.0025 U	**0.0332**	**0.0026**	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	**0.0047**	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Copper	13	NE	NE	0.005 U	0.005 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.0356**
Lead	0.15	NE	NE	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	**0.0028**	**0.0106**	**0.0068**
Mercury	0.02	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	R	NA	NA
Nickel	1	NE	NE	0.0025 U	NA	**0.312**	NA	NA	NA	NA	NA	NA	0.0025 U	**12.6**	NA	NA	NA	0.0027	0.0089	0.0071
Selenium	0.5	NE	NE	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	0.36	NE	NE	0.0025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.05	NE	NE	0.0035 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NE	NE	NE	0.015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	0.5	NE	NE	0.0025 U	0.0025 U	0.0025 U	0.0025 U	**0.0048**	0.0025 U	**0.003**	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	**0.0033**	**0.0034**	**0.0039**
Zinc	50	NE	NE	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Cyanide (mg/kg)																				
Cyanide, Total	2	1400	41000	0.54 U	0.51 U	0.58 U	0.59 U	0.5 U	0.5 U	0.57 U	0.6 U	0.51 U	0.59 U	0.55 U	0.53 U	0.53 U	0.53 U	0.53 U	0.54 U	0.55 U
Disposal																				
Ignitibility (mm/sec)	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (S.U.)	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide Reactivity (mg/kg)	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Extractable Petroleum																				
CT ETPH (mg/kg)	2500	500	2500	**34**	**41**	**2400**	**140**	NA	NA	**3000**	**41**	12 UJ	14 UJ	**95**	NA	NA	**190**	**190**	**1600 J**	**850 J**

Table 3
Summary of Soil Analytical Results
Site Characterization Report
MacDermid Site
Waterbury, CT

Notes:

mg/kg - milligrams per kilogram or parts per million (ppm)
mg/L - milligrams per liter or ppm
mm/sec - millimeters per second
S.U. - Standard Units
VOCs -volatile organic compounds
PAHs - polycyclic aromatic hydrocarbons
PCBs - polychlorinated biphenyls
SVOCs - semivolatile organic compounds
SPLP- Synthetic Precipitate Leaching Procedure
TCLP - Toxicity Characteristic Leaching Procedure
Total xylene is calculated using detects only

RES DEC - Residential direct exposure criteria means the concentrations identified as residential direct exposure criteria in Appendix A to sections 22a-133k-1 through 22a-133k-3 of the Regulations of Connecticut State Agencies.

I/C DEC - Industrial/commercial direct exposure criteria means the concentrations identified as industrial/commercial direct exposure criteria in Appendix A to sections 22a-133k-1 through 22a-133k-3 of the Regulations of Connecticut State Agencies.

GB - means an area where the ground-water classification is GB

PMC - Pollutant mobility criteria means the concentrations identified in Appendix B to sections 22a-133k-1through 22a-133k-3 of the Regulations of Connecticut State Agencies or any alternative pollutant mobility criteria approved by the Commissioner pursuant to subsection 22a-133k-2(d) of the Regulations of Connecticut State Agencies.

NA - not applicable
NE - not established
ND - not detected; total concentration is listed as ND because no compounds were detected in the group

Page 7 of 8

H:\WPROC\Project\MacDermid, Inc\Final SC Report09.09\Tabkes\
Table 3 - Summary of Soil Sampling
Notes

Table 3
Summary of Soil Analytical Results
Site Characterization Report
MacDermid Site
Waterbury, CT

Bolding indicates a detected result value
Shading and bolding indicates that the detected result value exceeds the Remediation Standard it was compared to
Grey shading indicates exceedance of groundwater pollutant mobility criteria
Yellow shading indicates exceedance of residential direct exposure criteria
Green shading indicates exceedance of industrial/commercial exposure criteria
Orange shading and bolding indicates a possible exceedance for hexavalent or trivalent where only total chromium values are available

Validation Qualifiers:
J - estimated value
U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis
UJ - not detected at or above the reporting limit shown and the reporting limit is estimated
R - rejected

Table 4
Summary of Analytical Results for Concrete Chip Results
Site Characterization Report
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Name:				CC-1	CC-2	CC-3	CC-4	CC-5	CC-6	CC-7	CC-8	CC-9	CC-10
Sample Date:				4/29/2009	4/29/2009	4/29/2009	4/29/2009	4/30/2009	5/1/2009	5/1/2009	5/1/2009	5/13/2009	5/13/2009
Area of Concern	GB PMC	RES DEC	I/C DEC	AOC - D2	AOC - D2	AOC - D2	AOC - D2	AOC-K8	AOC-K8	AOC-K8	AOC-K8	AOC-E5	AOC-E5
BTEX (mg/kg)													
Ethylbenzene	10.1	500	1000	0.0062 UJ	0.0062 UJ	0.005 UJ	R	R	0.0052 UJ	**2.8**	**24 J**	0.0064 UJ	0.0061 UJ
Xylene, m,p-	NE	NE	NE	0.0062 UJ	0.0062 UJ	0.005 UJ	0.0063 UJ	**0.0065 J**	0.0052 UJ	**16**	**150 J**	0.0064 UJ	0.0061 UJ
Xylene, o-	NE	NE	NE	0.0062 UJ	0.0062 UJ	0.005 UJ	0.0063 UJ	0.0063 UJ	0.0052 UJ	**4.2**	**43 J**	0.0064 UJ	0.0061 UJ
Total Xylene	19.5	500	1000	ND	ND	ND	ND	**0.0065**	ND	**20.2**	**193**	ND	ND
Other VOCs (mg/kg)													
Acetone	140	500	1000	0.025 UJ	0.025 UJ	0.02 UJ	0.025 UJ	0.025 UJ	0.021 UJ	0.022 UJ	0.050 UJ	**0.11 J**	**0.025 J**
Methyl Isobutyl ketone (MIBK)	14	500	1000	0.0062 UJ	0.0062 UJ	0.005 UJ	R	**0.1 J**	0.0052 UJ	0.005 U	0.005 UJ	0.0064 UJ	0.0061 UJ
Styrene	20	500	1000	0.0062 U	0.0062 UJ	**0.0067 J**	0.0063 UJ	R	0.0052 UJ	0.005 U	0.005 UJ	**0.26**	0.0061 UJ
Trimethylbenzene, 1,2,4-	70	500	1000	0.0062 UJ	0.0062 UJ	0.005 UJ	R	**0.017 J**	0.0052 UJ	0.005 U	0.005 UJ	0.0064 UJ	0.0061 UJ
Total Metals (mg/kg)													
Antimony	NE	27	8200	4.2 U	4.3 U	4.1 U	4.2 U	4.2 UJ	4.2 UJ	4 UJ	4.1 UJ	4.5 UJ	4.3 UJ
Arsenic	NE	10	10	5.4 U	5.4 U	5.2 U	5.4 U	5.3 U	5.4 U	5.1 U	5.2 U	5.7 U	5.5 U
Barium	NE	4700	140000	**129**	**113**	**107**	**102**	**233 J**	**95 J**	**118 J**	**240 J**	**68.4**	**49.8**
Beryllium	NE	2	2	1.3 U	1.3 U	1.2 U	1.3 U	1.3 U	1.3 U	1.2 U	1.2 U	1.4 U	1.3 U
Cadmium	NE	34	1000	1.3 UJ	1.3 UJ	1.2 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.2 UJ	1.2 UJ	1.4 UJ	1.3 UJ
Chromium	NE	100/3900	100/51000	**15.2**	**19**	**17.4**	**17.1**	**22.9 J**	**22.9 J**	**17.4 J**	**25 J**	**10.4 J**	**34 J**
Chromium (VI)	NE	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NE	70	NE	**4.3**	**5.2**	**4.7**	**4.7**	**5.9**	**5.3**	**5.3**	**6**	**3.8**	**3.2 J**
Copper	NE	2500	76000	**40.5**	**32.1**	**57.2**	1.5 UJ	**20.5 J**	**25.5**	**10.7 J**	**16.5 J**	**18.7 J**	**13.4 J**
Lead	NE	400	1000	3.8 UJ	**5.9**	3.7 U	3.8 U	**3.8**	**5.1**	**5.5**	**6.9**	4.1 U	**4.6 J**
Mercury	NE	20	610	0.05 U	0.05 U	0.049 U	0.052 U	0.047 U	0.048 U	0.047 U	0.05 U	0.055 U	0.051 U
Nickel	NE	1400	7500	**13**	**31.3**	**36.4**	**65.4**	**17.9**	**15.8**	**10.6**	**16.7**	**6.5**	**15.2**
Selenium	NE	340	10000	9.6 U	9.7 U	9.2 U	9.6 U	9.5 UJ	9.6 UJ	9.2 UJ	9.3 UJ	10.2 UJ	9.8 UJ
Silver	NE	340	10000	1.3 U	1.3 U	1.2 U	1.3 U	1.3 UJ	1.3 UJ	1.2 UJ	1.2 UJ	1.4 UJ	1.3 UJ
Thallium	NE	5.4	160	3.8 U	3.9 U	3.7 U	3.8 U	3.8 U	3.9 U	3.7 U	3.7 U	4.1 U	3.9 U
Tin	NE	SS-1999	SS-2000	3.8 U	3.9 U	3.7 U	3.8 U	3.8 UJ	3.9 UJ	3.7 UJ	3.7 UJ	4.1 U	3.9 U
Vanadium	NE	470	14000	**29.9**	**29.8**	**26.4**	**26.8**	**33.7**	**36.5**	**31**	**41.4**	**19.5**	**15.4**
Zinc	NE	20000	610000	**30.2**	**33.7**	**30.3**	**30.9**	**83.1 J**	**31.2 J**	**33.8 J**	**33.9 J**	**16.6 J**	**20.3 J**
SPLP Metals (mg/L)													
Antimony	0.06	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	0.1	NE	NE	0.0025 U	NA	NA	NA	NA	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Barium	10	NE	NE	NA	NA	NA	NA	**0.355**	NA	NA	**0.0441**	NA	NA
Beryllium	0.04	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.05	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.5	NE	NE	**0.0108**	0.0063 U	0.0067 U	0.005 U	**0.0219**	**0.0131**	**0.012**	**0.0335**	0.005 U	**0.0696**
Cobalt	0.1	NE	NE	**0.0039**	**0.0047**	**0.0141**	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Copper	13	NE	NE	NA	NA	NA	0.0051 U	NA	NA	NA	NA	NA	NA
Lead	0.15	NE	NE	0.0025 U	0.0025 U	0.0025 U	NA	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Mercury	0.02	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	1	NE	NE	NA	**0.0732**	**0.348**	**0.0134**	NA	NA	NA	NA	NA	NA
Selenium	0.5	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	0.36	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.05	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	0.5	NE	NE	0.0025 U	**0.0056**	**0.0266**	0.0025 U	0.0025 U	0.0025 U	**0.022**	**0.0202**	0.0025 U	0.0025 U
Zinc	50	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Cyanide (mg/kg)													
Cyanide, Total	2	1400	41000	0.49 U	0.52 U	0.51 U	0.5 U	0.51 U	0.49 U	0.48 U	0.49 U	0.544 U	0.527 U
Other													
CT ETPH (mg/kg)	2500	500	2500	**36**	**200**	**49**	**5700**	**76**	**47**	**1500**	**7700**	**18**	**13**

Table 4
Summary of Analytical Results for Concrete Chip Results
Site Characterization Report
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Notes:

mg/kg - milligrams per kilogram or parts per million (ppm)
mg/L - milligrams per liter or ppm
mm/sec - millimeters per second
S.U. - Standard Units
VOCs -volatile organic compounds
PAHs - polycyclic aromatic hydrocarbons
PCBs - polychlorinated biphenyls
SVOCs - semivolatile organic compounds
SPLP- Synthetic Precipitate Leaching Procedure
TCLP - Toxicity Characteristic Leaching Procedure
Total xylene is calculated using detects only

in

RES DEC - Residential direct exposure criteria means the concentrations identified as residential direct exposure criteria
Appendix A to sections 22a-133k-1 through 22a-133k-3 of the Regulations of Connecticut State Agencies.

t exposure criteria

I/C DEC - Industrial/commercial direct exposure criteria means the concentrations identified as industrial/commercial direc
in Appendix A to sections 22a-133k-1 through 22a-133k-3 of the Regulations of Connecticut State Agencies.

GB - means an area where the ground-water classification is GB

3 of the Regulations of

PMC - Pollutant mobility criteria means the concentrations identified in Appendix B to sections 22a-133k-1through 22a-133k-
subsection 22a-133k-2(d) of the Regulations of Connecticut
Connecticut State Agencies or any alternative pollutant mobility criteria approved by the Commissioner pursuant to
State Agencies.

NA - not applicable
NE - not established

ND - not detected; total concentration is listed as ND because no compounds were detected in the group

PBA - To be analyzed

Bolding indicates a detected result value

Shading and bolding indicates that the detected result value exceeds the Remediation Standard it was compared to
Grey shading indicates exceedance of groundwater pollutant mobility criteria
Yellow shading indicates exceedance of residential direct exposure criteria
Green shading indicates exceedance of industrial/commercial exposure criteria

Validation Qualifiers:

J - estimated value

is

U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analys

UJ - not detected at or above the reporting limit shown and the reporting limit is estimated

R - rejected

Table 5
Summary of Groundwater Monitoring Well Construction and Water Level Measurement
Site Characterization Report
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Well ID	Surveyed Elevations (Feet NAVD 88)	Northing	Easting	Well Screen Intervals				June-01		August-04		December-07		April-08		December-08		April-09	
				Top (feet below ground surface)	Top (Feet NAVD 88)	Bottom (feet below ground surface)	Bottom (Feet NAVD 88)	Depth to Groundwater (ft)	Elevation Groundwater (Feet NAVD 88)	Depth to Groundwater (ft)	Elevation Groundwater Aug-04 (Feet NAVD 88)	Depth to Groundwater (ft)	Elevation Groundwater Elevation (Feet NAVD 88)	Depth to Groundwater (ft)	Elevation Groundwater Elevation (Feet NAVD 88)	Depth to Groundwater (ft)	Elevation Groundwater Elevation (Feet NAVD 88)	Depth to Groundwater (ft)	Elevation Groundwater Elevation (Feet NAVD 88)
Monitoring Wells Screened in Shallow Sand Aquifer																			
MW-102	315.47	771692.61	916264.08	22	293	32	283	33.76	281.71	NM	NM	27.10	288.37	25.65	289.82	NM	NM	33.56	281.91
MW-105	297.15	771038.13	916293.14	27	270	37	260	25.75	271.40	NM	NM	32.20	264.95	30.55	266.60	30.38	266.77	31.64	265.51
MW-108 [a]	297.55	770938.71	916042.15	25	273	35	263	- - -	NM	3.70	293.85	34.55	263.00	29.60	267.95	30.70	266.85	31.70	265.85
MW-109	297.55	770952.26	916087.69	25	273	35	263	12.95	284.60	8.70	288.85	NM	NM	28.90	268.65	30.18	267.37	30.85	266.70
MW-111	295.85	770711.90	916143.74	25	271	35	261	12.90	282.95	8.80	287.05	31.80	264.05	30.50	265.35	30.34	265.51	30.35	265.50
MW-112	296.29	770709.10	915920.02	25	271	35	261	9.45	286.84	7.30	288.99	29.50	266.79	29.20	267.09	30.19	266.10	30.66	265.63
MW-113	297.75	770384.12	916079.81	30	268	40	258	10.89	286.86	8.30	289.45	NM	NM	33.40	264.35	32.32	265.43	33.25	264.50
MW-114	295.61	770739.60	916237.61	28	268	38	258	- - -	NM	5.00	290.61	31.80	263.81	29.90	265.71	30.28	265.33	30.87	264.74
MW-115	296.22	770884.30	916295.78	28	268	38	258	- - -	NM	7.35	288.87	32.20	264.02	30.00	266.22	30.62	265.60	31.31	264.91
MW-116S	296.18	770730.47	915878.81	24	272	34	262	NM	NM	8.80	287.38	NM	NM	28.40	267.78	29.68	266.50	30.07	266.11
MW-117S	296.25	770779.22	915848.03	28	268	38	258	- - -	NM	- - -	NM	NM	NM	27.50	268.75	28.95	267.30	29.90	266.35
MW-118S	295.92	770642.6	915899.86	28	268	38	258	- - -	NM	- - -	NM	NM	NM	29.30	266.62	29.98	265.94	30.52	265.40
MW-26 [a]	297.50	770880.60	916022.07	27	271	37	261	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	31.20	266.30	34.39	263.11
MW-32	299.49	770896.77	915935.75	28	271	38	261	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	31.00	268.49	33.39	266.10
MW-36	297.50	770983.58	916155.82	28	270	38	260	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	29.89	267.61	31.20	266.30
MW-44	294.00	770983.64	916155.48	28	266	38	256											27.82	266.18
MW-47	296.1	771164.39	916442.42	27	269	37	259	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	29.12	266.98
MW-48	296.24	770649.52	916141.06	27	269	37	259	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	31.68	264.56
MW-53	301.69	771081.7	916243.11	27	275	37	265	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	36.03	265.66
MW-62	298.27	770517.54	916121.9	27	271	37	261	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	33.83	264.44
MW-73	299.05	770856.41	916283.51	27	272	37	262	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	34.58	264.47
MW-74	298.97	770909.33	916204.47	27	272	37	262	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	35.23	263.74
Monitoring Wells Screened in Deeper Sand Aquifer																			
MW-116D	296.14	770730.47	915878.81	48	248	58	238	- - -	NM	- - -	NM	NM	NM	29.05	267.09	49.20	246.94	49.15	246.99
MW-117D	296.19	770771.82	915846.84	45	251	55	241	- - -	NM	- - -	NM	NM	NM	45.5	250.69	28.95	267.24	31.12	265.07
MW-118D	296.09	770640.47	915896.11	50	246	60	236	- - -	NM	- - -	NM	NM	NM	29.5	266.59	30.02	266.07	30.70	265.39
Monitoring Wells Screened in Bedrock																			
MW-101	318.14	771888.86	916152.18	26	292	36	282	3.85	314.29	3.20	314.94	3.90	314.24	1.90	316.24	NM	NM	2.46	315.68
Piezometers Screened in Shallow Sand Aquifer																			
PZ-01 [a]	294.29	770989.69	916364.12	29	265	39	255	- - -	NM	- - -	NM	NM	NM	NM	NM	27.8	266.49	28.84	265.45
PZ-04	296.57	770831.93	915983.11	29	268	39	258	- - -	NM	- - -	NM	NM	NM	NM	NM	30.01	266.56	33.84	262.73

ft = feet

NM = not measured

Monitoring Well ID in bold have been installed by GEI Consultants, Inc.

[a]- LNAPL encountered in well.

NS = Not surveyed

All elevations surveyed on October 30, 2002.

All elevations are referenced to North American Vertical Datum 1988 and based on differential Global Positioning System Differential Correction.

Table 6
Summary of Groundwater Final Stabilization Parameters - June 2009 Sampling
Site Characterization Report
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Monitoring Well	Date of Sample	Purge Time (minutes)	pH (standard units)	Dissolved Oxygen (mg/l)	Temperature (degrees Celsius)	ORP (eV)	Conductivity (microSiemens/cm)	Turbidity (NTU)
MW-26	6/18/2009	34	6.42	1.23	12.95	147	12	2.3
MW-32	6/17/2009	71	6.08	0.73	13.37	-22	624	0.3
MW-36	6/17/2009	39	5.97	1.56	13.97	151	306	1.0
MW-44	6/18/2009	59	6.16	0.98	13.84	157	194	1.1
MW-47	6/18/2009	60	6.21	0.74	13.21	-215	273	4.5
MW-48	6/17/2009	63	5.94	0.89	12.98	174	67	6.2
MW-53	6/18/2009	54	6.10	0.81	13.85	138	283	12.3
MW-62	6/17/2009	46	5.17	9.38	13.51	319	337	0.1
MW-73	6/18/2009	35	6.23	3.24	13.24	37	47	3.6
MW-74	6/18/2009	67	6.93	1.07	13.8	117	155	1.2
MW-101	6/16/2009	44	7.80	0.91	14.1	110	156	4.0
MW-102	6/16/2009	47	5.20	3.51	12	152	43	9.4
MW-103	6/16/2009	42	5.77	11.29	12.79	-146	74	2.8
MW-105	6/16/2009	52	5.38	8.95	14.61	142	147	7.9
MW-108	6/18/2009	40	5.98	4.25	13.65	101	330	4.3
MW-109	6/15/2009	35	5.78	4.12	14.02	-121	135	2.8
MW-112	6/15/2009	58	4.91	2.99	15.73	16	208	0.3
MW-113	6/16/2009	55	6.24	2.85	14.11	17	354	4.6
MW-114	6/16/2009	40	5.92	0.97	15.87	169	986	1.1
MW-115	6/16/2009	38	5.70	4.49	14.72	171	681	1.1
MW-116S	6/16/2009	70	6.16	3.65	14.25	116	285	0.8
MW-116D	6/15/2009	41	6.25	3.21	14.11	-91	466	1.2
MW-117S	6/15/2009	47	6.47	5.51	13.98	125	220	3.1
MW-117D	6/15/2009	35	6.35	3.25	13.94	185	91	2.0
MW-118S	6/16/2009	64	6.25	4.25	13.76	-101	470	2.6
MW-118D	6/16/2009	47	6.18	2.15	13.98	24	156	3.4

Notes:
mg/l - milligrams per liter
eV - electron volts
cm - centimeter
NTU - nephlometric turbidity units

Table 7
Summary of Groundwater Analytical Results - June 2009
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Name: / Sample Date:	Proposed RES GWVC	Proposed I/C GWVC	SWPC	MW-26 6/18/2009	MW-32 6/17/2009	MW-36 6/17/2009	MW-44 6/18/2009	MW-47 6/18/2009	MW-48 6/17/2009	MW-53 6/18/2009	MW-62 6/17/2009	MW-73 6/18/2009
BTEX (ug/L)												
Benzene	130	310	710	0.5 U	**6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	7100	41000	4000000	0.5 U	**2.5**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.87**
Ethylbenzene	2700	36000	580000	0.5 U	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	**1.1**	0.5 U	0.5 U
Xylene, m,p-	NE	NE	NE	1 U	**2.8**	1 U	1 U	1 U	1 U	**2.5**	1 U	1 U
Xylene, o-	NE	NE	NE	0.5 U	**1.9**	0.5 U	0.5 UJ	0.5 U	0.5 U	**1.5**	0.5 U	**1.5**
Total Xylene	8700	48000	NE	ND	**4.7**	ND	ND	ND	ND	**4**	ND	**1.5**
Other VOCs (ug/L)												
Acetone	50000	50000	NE	**9.7 J**	**17 J**	2 U	2 U	2.5 UJ	2 U	**9.6 J**	2 U	2 U
Butanone, 2-	50000	50000	NE	2 U	**3.4 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Butylbenzene, n-	1500	21000	NE	0.5 U	**0.97**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Butylbenzene, tert-	NE	NE	NE	1 U	**1**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Butylbenzene,sec-	1500	20000	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	1800	23000	420000	0.5 U	**3.1**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.52**
Chloroform	26	62	14100	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**14**
Dichlorobenzene,1,2-	5100	50000	170000	**1.1 J**	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U	**2.5**	0.5 U	**0.6**
Dichlorobenzene,1,3-	4300	50000	26000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.75**	0.5 U	0.5 U
Dichlorodifluoromethane	93	1200	NE	1 U	1 U	1 U	1 U	1 U	**3.5 J**	1 U	1 U	**1.1 J**
Dichloroethane,1,1-	3000	41000	NE	0.5 U	**2.1**	0.5 U	0.5 U	0.5 U	**1.1**	0.5 U	**5.3**	**0.91**
Dichloroethane,1,2-	6.5	68	2970	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.6**	**3.1**
Dichloroethene, cis-1,2-	830	11000	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.54**
Dichloroethene,1,1-	190	920	96	0.5 U	0.5 U	0.5 U	0.5 U	**0.54 J**	0.5 U	0.5 U	0.5 U	**49 J**
Isopropyltoluene,4-	1600	22000	NE	0.5 U	**1.6**	0.5 U	0.5 U	0.5 U	0.5 U	**1.6**	0.5 U	0.5 U
Methyl Isobutyl ketone (MIBK)	13000	50000	NE	2 U	2 U	2 U	2 UJ	2 U	2 U	**3.4**	2 U	2 U
Naphthalene	NE	NE	NE	0.5 U	**1.8**	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Propylbenzene, n-	NE	NE	NE	0.5 U	**1.1**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	340	810	88	**0.72 J**	0.5 U	**5.1**	**1.3 J**	**2.4**	**4.4**	**18**	**1.5**	**130**
Tetrahydrofuran	NE	NE	NE	2 U	**4.3**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	0.5 UJ	**0.77**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**6**
Trichlorobenzene, 1,2,3-	NE	NE	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.8**	0.5 U	0.5 U
Trichlorobenzene, 1,2,4-	NE	NE	NE	**1.6 J**	0.5 U	**1.3**	0.5 UJ	0.5 U	0.5 U	**5.1**	0.5 U	0.5 U
Trichloroethane, 1,1,1-	6500	16000	62000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**7.6**
Trichloroethene	27	67	2340	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.91**	**0.59**	**7.7**	**11**
Trichlorofluoromethane	1300	4200	NE	0.5 U	0.5 U	**1.3**	0.5 U	0.5 U	0.5 U	**6.6**	0.5 U	0.5 U
Trimethylbenzene, 1,2,4-	360	4800	NE	0.5 U	**1.8**	0.5 U	0.5 U	0.5 U	0.5 U	**1**	0.5 U	0.5 U
Trimethylbenzene, 1,3,5-	280	3900	NE	0.5 U	**1**	0.5 U	0.5 U	0.5 U	0.5 U	**0.68**	0.5 U	0.5 U
Vinyl chloride	1.6	52	15750	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 7
Summary of Groundwater Analytical Results - June 2009
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Name: / Sample Date:	Proposed RES GWVC	Proposed I/C GWVC	SWPC	MW-26 6/18/2009	MW-32 6/17/2009	MW-36 6/17/2009	MW-44 6/18/2009	MW-47 6/18/2009	MW-48 6/17/2009	MW-53 6/18/2009	MW-62 6/17/2009	MW-73 6/18/2009
Non-carcinogenic PAHs (ug/L)												
Acenaphthylene	NE	NE	0.3	NA	0.1 U	0.1 U	NA	NA	0.11 U	NA	NA	NA
Naphthalene	NE	NE	NE	NA	4 U	4.2 U	NA	NA	4.4 U	NA	NA	NA
Phenanthrene	NE	NE	0.077	NA	0.2 U	0.21 U	NA	NA	0.22 U	NA	NA	NA
Carcinogenic PAHs (ug/L)												
Benz[a]anthracene	NE	NE	0.3	NA	0.1 U	0.1 U	NA	NA	0.11 U	NA	NA	NA
Chrysene	NE	NE	NE	NA	0.1 U	0.1 U	NA	NA	0.11 U	NA	NA	NA
Other SVOCs (ug/L)												
Bis(2-ethylhexyl)phthalate	NE	NE	59	NA	0.5 U	0.52 U	NA	NA	0.56 U	NA	NA	NA
Trichlorobenzene, 1,2,4-	NE	NE	NE	NA	4 U	4.2 U	NA	NA	4.4 U	NA	NA	NA
PCBs (ug/L)												
Total PCBs	NE	NE	0.5	ND	NA	NA	NA	NA	NA	NA	ND	NA
Total Metals (ug/L)												
Arsenic	NE	NE	4	2.5 U	**2.6**	2.5 U	2.5 U	2.5 U	2.5 U	**78**	2.5 U	2.5 U
Barium	NE	NE	NE	**41**	**150**	**15**	**92**	**56**	**57**	**44**	**48**	**140**
Cadmium	NE	NE	6	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chromium	NE	NE	NE	**120**	5 U	5 U	**64**	**220**	5 U	**47**	5 U	**67**
Copper	NE	NE	48	**170**	5 U	**370**	**4000**	**18**	5 U	**820**	**5.9**	**20**
Lead	NE	NE	13	**11**	2.5 U	2.5 U	2.5 U	**4.5**	2.5 U	**4.3**	2.5 U	2.5 U
Nickel	NE	NE	880	**13**	**18**	**21**	**54**	**8.8**	**11**	**52**	**22**	**830**
Selenium	NE	NE	50	5 U	5 U	5 U	5 U	5 U	5 U	**5.1**	5 U	5 U
Vanadium	NE	NE	NE	**21**	2.5 U	2.5 U	2.5 U	**15**	2.5 U	**18**	2.5 U	**8.9**
Zinc	NE	NE	123	**77**	25 U	**56**	**110**	**30**	25 U	**40**	**79**	**32**
Other (ug/L)												
CT ETPH	NE	NE	NE	**80000**	**3500**	94 U	100 U	**110 J**	**630**	100 U	**190 J**	100 U

Table 7
Summary of Groundwater Analytical Results - June 2009
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Name: / Sample Date:	Proposed RES GWVC	Proposed I/C GWVC	SWPC	MW-74 6/18/2009	MW-101 6/16/2009	MW-102 6/16/2009	MW-103 6/16/2009	MW-105 6/16/2009	MW-108 6/18/2009	Duplicate of MW-108 6/18/2009	MW-109 6/15/2009	MW-112 6/15/2009
BTEX (ug/L)												
Benzene	130	310	710	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	7100	41000	4000000	0.5 U	0.5 U	**0.88**	**0.87**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	2700	36000	580000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene, m,p-	NE	NE	NE	1 U	1 U	1 U	**2.6**	1 U	1 U	1 U	1 U	1 U
Xylene, o-	NE	NE	NE	**1.5**	0.5 U	0.5 U	**1.6**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Xylene	8700	48000	NE	**1.5**	ND	ND	**4.2**	ND	ND	ND	ND	ND
Other VOCs (ug/L)												
Acetone	50000	50000	NE	2 U	2 U	2 U	2 U	2 U	**12 J**	**12 J**	2 U	2 U
Butanone, 2-	50000	50000	NE	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Butylbenzene, n-	1500	21000	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Butylbenzene, tert-	NE	NE	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Butylbenzene,sec-	1500	20000	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	1800	23000	420000	**0.52**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	26	62	14100	**14**	0.5 U	0.5 U	0.5 U	**0.6**	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobenzene,1,2-	5100	50000	170000	**0.62**	0.5 U	0.5 U	0.5 U	0.5 U	**1.4 J**	**1.3 J**	0.5 U	0.5 U
Dichlorobenzene,1,3-	4300	50000	26000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	93	1200	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Dichloroethane,1,1-	3000	41000	NE	**0.9**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichloroethane,1,2-	6.5	68	2970	**3.1**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichloroethene, cis-1,2-	830	11000	NE	**0.62**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichloroethene,1,1-	190	920	96	**50 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropyltoluene,4-	1600	22000	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Isobutyl ketone (MIBK)	13000	50000	NE	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Naphthalene	NE	NE	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Propylbenzene, n-	NE	NE	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	340	810	88	**130 J**	0.5 U	0.5 U	0.5 U	**7**	**0.68 J**	**0.58 J**	**2**	**4.2**
Tetrahydrofuran	NE	NE	NE	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	**6.2**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Trichlorobenzene, 1,2,3-	NE	NE	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorobenzene, 1,2,4-	NE	NE	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.7 J**	**1.6 J**	**1.2**	0.5 U
Trichloroethane, 1,1,1-	6500	16000	62000	**7.4**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Trichloroethene	27	67	2340	**11**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.1**
Trichlorofluoromethane	1300	4200	NE	0.5 U	0.5 U	0.5 U	0.5 U	**9.3**	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Trimethylbenzene, 1,2,4-	360	4800	NE	0.5 U	0.5 U	0.5 U	**1.2**	**1**	0.5 U	0.5 U	0.5 U	0.5 U
Trimethylbenzene, 1,3,5-	280	3900	NE	0.5 U	0.5 U	0.5 U	**0.75**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	1.6	52	15750	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 7
Summary of Groundwater Analytical Results - June 2009
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Name: Sample Date:	Proposed RES GWVC	Proposed I/C GWVC	SWPC	MW-74 6/18/2009	MW-101 6/16/2009	MW-102 6/16/2009	MW-103 6/16/2009	MW-105 6/16/2009	MW-108 6/18/2009	Duplicate of MW-108 6/18/2009	MW-109 6/15/2009	MW-112 6/15/2009
Non-carcinogenic PAHs (ug/L)												
Acenaphthylene	NE	NE	0.3	NA	NA	NA	NA	NA	**0.97**	**0.9**	0.1 U	0.1 U
Naphthalene	NE	NE	NE	NA	NA	NA	NA	NA	43 U	42 U	4 U	4 U
Phenanthrene	NE	NE	0.077	NA	NA	NA	NA	NA	**1.3**	**1.3**	0.2 U	0.2 U
Carcinogenic PAHs (ug/L)												
Benz[a]anthracene	NE	NE	0.3	NA	NA	NA	NA	NA	**1.5 J**	**1.1 J**	0.1 U	0.1 U
Chrysene	NE	NE	NE	NA	NA	NA	NA	NA	**25 J**	**21 J**	0.1 U	0.1 U
Other SVOCs (ug/L)												
Bis(2-ethylhexyl)phthalate	NE	NE	59	NA	NA	NA	NA	NA	**5.8 J**	**3.5 J**	0.5 U	0.5 U
Trichlorobenzene, 1,2,4-	NE	NE	NE	NA	NA	NA	NA	NA	43 U	42 U	4 U	4 U
PCBs (ug/L)												
Total PCBs	NE	NE	0.5	NA	NA	NA	ND	NA	NA	NA	NA	NA
Total Metals (ug/L)												
Arsenic	NE	NE	4	2.5 U	**7.9**	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Barium	NE	NE	NE	**69**	2.5 U	**8**	**43**	NA	**8.6**	**8**	**84**	**27**
Cadmium	NE	NE	6	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	2.5 U	2.5 U	2.5 U
Chromium	NE	NE	NE	**33**	5 U	5 U	5 U	NA	**19**	**19**	**27**	**11**
Copper	NE	NE	48	**11**	**10**	**6.6**	5 U	NA	**66**	**62**	**1600**	5 U
Lead	NE	NE	13	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U	**2.6**	2.5 U	2.5 U
Nickel	NE	NE	880	**460**	2.5 U	**18**	2.5 U	NA	**3.8**	**3.5**	**1400**	**3.9**
Selenium	NE	NE	50	5 U	5 U	5 U	5 U	NA	5 U	5 U	5 U	5 U
Vanadium	NE	NE	NE	**3**	2.5 U	2.5 U	2.5 U	NA	**6.7**	**6.4**	2.5 U	2.5 U
Zinc	NE	NE	123	25 U	**89**	25 U	25 U	NA	**28**	**26**	**2100**	25 U
Other (ug/L)												
CT ETPH	NE	NE	NE	100 U	94 U	**140 J**	94 U	100 U	**110000**	**100000**	NA	94 U

Table 7
Summary of Groundwater Analytical Results - June 2009
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Name: / Sample Date:	Proposed RES GWVC	Proposed I/C GWVC	SWPC	MW-113 6/16/2009	MW-114 6/16/2009	MW-115 6/16/2009	MW-116S 6/16/2009	MW-116D 6/15/2009	MW-117S 6/15/2009	MW-117D 6/15/2009	MW-118S 6/16/2009	MW-118D 6/16/2009
BTEX (ug/L)												
Benzene	130	310	710	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	7100	41000	4000000	0.5 U	0.5 U	0.5 U	**0.87**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	2700	36000	580000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylene, m,p-	NE	NE	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylene, o-	NE	NE	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total Xylene	8700	48000	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other VOCs (ug/L)												
Acetone	50000	50000	NE	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Butanone, 2-	50000	50000	NE	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Butylbenzene, n-	1500	21000	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Butylbenzene, tert-	NE	NE	NE	**1.1**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Butylbenzene,sec-	1500	20000	NE	**0.92**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	1800	23000	420000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	26	62	14100	0.5 U	0.5 U	**19 J**	0.5 U	**1.5**	0.5 U	0.5 U	**0.99 J**	**7.7**
Dichlorobenzene,1,2-	5100	50000	170000	0.5 U	0.5 U	**1.3 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorobenzene,1,3-	4300	50000	26000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	93	1200	NE	1 U	**3.9 J**	**3 J**	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 U
Dichloroethane,1,1-	3000	41000	NE	0.5 U	0.5 U	**1.2 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichloroethane,1,2-	6.5	68	2970	0.5 U	0.5 U	**6.4 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichloroethene, cis-1,2-	830	11000	NE	0.5 U	0.5 U	**0.75 J**	0.5 U	**2**	0.5 U	0.5 U	0.5 U	0.5 U
Dichloroethene,1,1-	190	920	96	0.5 U	0.5 U	**53 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropyltoluene,4-	1600	22000	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Isobutyl ketone (MIBK)	13000	50000	NE	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Naphthalene	NE	NE	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Propylbenzene, n-	NE	NE	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	340	810	88	0.5 U	**5.6**	180	**2.1**	0.5 U	0.5 U	0.5 U	**5.1 J**	0.5 U
Tetrahydrofuran	NE	NE	NE	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	0.5 U	0.5 U	**13 J**	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U
Trichlorobenzene, 1,2,3-	NE	NE	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorobenzene, 1,2,4-	NE	NE	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethane, 1,1,1-	6500	16000	62000	0.5 U	0.5 U	**11 J**	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U
Trichloroethene	27	67	2340	0.5 U	0.5 U	**14 J**	0.5 U	0.5 U	0.5 U	0.5 U	**1.1 J**	0.5 U
Trichlorofluoromethane	1300	4200	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U
Trimethylbenzene, 1,2,4-	360	4800	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trimethylbenzene, 1,3,5-	280	3900	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	1.6	52	15750	0.5 U	0.5 U	0.5 U	0.5 U	**3.1**	0.5 U	0.5 U	0.5 U	0.5 U

Table 7
Summary of Groundwater Analytical Results - June 2009
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Name: / Sample Date:	Proposed RES GWVC	Proposed I/C GWVC	SWPC	MW-113 6/16/2009	MW-114 6/16/2009	MW-115 6/16/2009	MW-116S 6/16/2009	MW-116D 6/15/2009	MW-117S 6/15/2009	MW-117D 6/15/2009	MW-118S 6/16/2009	MW-118D 6/16/2009
Non-carcinogenic PAHs (ug/L)												
Acenaphthylene	NE	NE	0.3	**0.17**	**0.13**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Naphthalene	NE	NE	NE	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Phenanthrene	NE	NE	0.077	**0.34**	**0.63**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.3**	0.2 U
Carcinogenic PAHs (ug/L)												
Benz[a]anthracene	NE	NE	0.3	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Chrysene	NE	NE	NE	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Other SVOCs (ug/L)												
Bis(2-ethylhexyl)phthalate	NE	NE	59	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorobenzene, 1,2,4-	NE	NE	NE	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
PCBs (ug/L)												
Total PCBs	NE	NE	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (ug/L)												
Arsenic	NE	NE	4	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Barium	NE	NE	NE	**26**	**110**	**96**	**45**	**71**	**74**	**80**	**180**	**25**
Cadmium	NE	NE	6	2.5 U	2.5 U	**5.4**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chromium	NE	NE	NE	5 U	5 U	**750**	5 U	5 U	5 U	5 U	5 U	5 U
Copper	NE	NE	48	5 U	5 U	5 U	5 U	**5.4**	5 U	5 U	5 U	5 U
Lead	NE	NE	13	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Nickel	NE	NE	880	2.5 U	**12**	**1400**	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Selenium	NE	NE	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vanadium	NE	NE	NE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Zinc	NE	NE	123	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Other (ug/L)												
CT ETPH	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 7
Summary of Groundwater Analytical Results
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Notes:

ug/L - micrograms per liter or part per billion (ppb)
BTEX - benzene, toluene, ethylbenzene, and xylenes
VOCs - volatile organic compounds
PAHs - polycyclic aromatic hydrocarbons
SVOCs - semivolatile organic compounds
PCBs - Polychlorinated Biphenyls
Total Xylene was calculated using detects only
Total PCBs was calculated using detects only

Res GWVC - Residential volatilization criteria means the concentrations identified as residential volatilization criteria in Appendices E and F to sections 22a-133k-1 through 22a-133k-3 of the Regulations of Connecticut State Agencies.

I/C GWVC - Industrial/Commercial groundwater volatilization criteria means the concentrations identified as industrial/commercial volatilization criteria in Appendices E and F to sections 22a-133k-1 through 22a-133k-3 of the Regulations of Connecticut State Agencies.

SWPC - Surface Water Protection Criteria means the concentrations identified in Appendix D to sections 22a-133k-1 through 22a-133k-3 of the Regulations of Connecticut State Agencies or any alternative surface-water protection criteria calculated or approved by the Commissioner in accordance with subdivision 22a-133k-3(b)(3) of the Regulations of Connecticut State Agencies.

NA - not applicable
NE - not established
ND - not detected; total concentration is listed as ND because no compounds were detected in the group

Bolding indicates a detected result value
Shading and bolding indicates that the detected result value exceeds the Remediation Standard it was compared to

Table 7
Summary of Groundwater Analytical Results
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Validation Qualifiers:

J - estimated value

U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis

UJ - not detected at or above the reporting limit shown and the reporting limit is estimated

Table 8
Summary of Historic Groundwater Analytical Results
MacDermid Incorporated.
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Location: Historical Location I.D.: Sample Date:	RES GVC	I/C GVC	SWPC	MW-101 (MAC-6) 2/12/2001	MW-101 8/13/2004	MW-101 7/27/2006	MW-101 10/30/2006	MW-101 2/16/2007	MW-101 05/25/2007	MW-101 12/26/2007	MW-101 4/18/2008	MW-102 (MAC-5) 2/12/2001	MW-102 8/13/2004	MW-102 7/27/2006	MW-102 10/30/2006	MW-102 2/16/2007	MW-102 05/25/2007	MW-102 4/18/2008	MW-103 (GZ-2) 2/08/2001	MW-103 8/16/2004	MW-103 7/27/2006	MW-103 10/30/2006	MW-103 2/15/2007	MW-103 05/23/2007	MW-103 4/18/2008	MW-104* 12/26/2007	MW-105 (GZ-7) 2/08/2001	MW-105 8/12/2004	MW-105 7/27/2006	MW-105 10/30/2006	MW-105 2/20/2007
VOCs (µg/l)																															
Acetone	50000	50000	NE	**11**	NA	<20.0	<10	<10.0	<10	5 U	**5**	**14**	< 10 U	<20.0	**39**	<10.0	<10	**5**	**9.4**	< 10 U	<20.0	<10	<10.0	<10	**5**	**0.82 J**	**7**	< 10 U	<20.0	<10	<10.0
Acrylonitrile	NE	NE	20	NA	NA	<0.5	<1	<1.0	<1	NA	NA	NA	< 0.5 U	<0.5	<1	<1.0	<1	NA	NA	< 0.5 U	<0.5	<1	<1.0	<0.5	NA	NA	NA	< 0.5 U	<0.5	<1	<1.0
Benzene	130	310	710	< 0.50	NA	<1.0	<1	<1.0	<1	0.5 U	**0.5 J**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**0.5 J**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**0.5 J**	0.5 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Bromobenzene	NE	NE	NE	< 0.50	NA	<1.0	<1	<1.0	<1	2 U	2 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**2 J**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	2 U	2 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Bromomethane	NE	NE	NE	< 0.50	NA	<2.0	<2	<2.0	<2	3 U	3 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	3 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	3 U	3 U	< 0.50	**1.7**	<2.0	<2	<2.0
Butanone, 2-	50000	50000	NE	< 0.50	NA	<1.0	<1	<1.0	<1	2 U	2 U	< 0.50	< 2.0 U	<1.0	<1	<1.0	<1	2 U	< 0.50	< 2.0 U	<1.0	<1	<1.0	<1	2 U	2 U	< 0.50	< 2.0 U	<1.0	<1	<1.0
Butyl alcohol, tert-	NE	NE	NE	NA	NA	<10.0	<10	<10.0	<10	NA	NA	NA	NA	<10.0	<10	<10.0	<10	NA	NA	NA	<10.0	<10	<10.0	<10	NA	NA	NA	NA	<10.0	<10	<10.0
Butylbenzene, tert-	NE	NE	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0
Butylbenzene,sec-	1500	20000	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0
Carbon disulfide	NE	NE	NE	NA	NA	<5.0	<5	<5.0	<5	1 U	**1**	NA	< 0.5 U	<5.0	<5	<5.0	<5	**1**	NA	< 0.5 U	<5.0	<5	<5.0	<5	**1**	1 U	NA	< 0.5 U	<5.0	<5	<5.0
Carbon tetrachloride	5.3	14	132	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Chlorobenzene	1800	23000	420000	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Chloroethane	12000	29000	NE	< 0.50	NA	<2.0	<2	<2.0	<2	3 U	3 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	3 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	3 U	3 U	< 0.50	< 0.5 U	<2.0	<2	<2.0
Chloroform	26	62	14100	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	0.26 U	1 U	**0.74**	**0.6 L**	<1.0	<1	<1.0
Chloromethane	390	5500	NE	< 0.50	NA	<2.0	<2	<2.0	<2	1 U	1 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	1 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	**1 J**	1 U	< 0.50	< 0.5 U	<2.0	<2	<2.0
Chlorotoluene,2-	NE	NE	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Dibromo-3-chloropropane,1,2-	NE	NE	NE	< 0.50	NA	<2.0	<2	<2.0	<2	1 U	1 U	< 0.50	NA	<2.0	<2	<2.0	<2	**1 J**	< 0.50	NA	<2.0	<2	<2.0	<2	**1 J**	1 U	< 0.50	NA	<2.0	<2	<2.0
Dibromoethane,1,2-	0.3	11	NE	< 0.50	NA	<0.5	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<0.5	<1	<1.0	<1	1 U	< 0.50	NA	<0.5	<1	<1.0	<0.5	1 U	1 U	< 0.50	NA	<0.5	<1	<1.0
Dichlorobenzene,1,2-	5100	50000	170000	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Dichlorobenzene,1,3-	4300	50000	26000	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Dichlorobenzene,1,4-	1400	3400	26000	< 0.50	NA	<2.0	<2	<2.0	<2	1 U	1 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	1 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	1 U	1 U	< 0.50	< 0.5 U	<2.0	<2	<2.0
Dichlorodifluoromethane	93	1200	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	NA	1 U	< 0.50	< 0.5 U	NA	NA	NA	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Dichloroethane,1,1-	3000	41000	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Dichloroethane,1,2-	6.5	68	2970	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Dichloroethene, cis-1,2-	830	11000	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Dichloroethene, trans-1,2-	NE	13000	NE	< 0.50	NA	<1.0	<1	<1.0	<1	NA	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	NA	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0
Dichloroethene,1,1-	190	920	96	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Dioxane, p-	NE	NE	NE	NA	NA	<20.0	<20	<20.0	<20	NA	NA	NA	NA	<20.0	<20	<20.0	<20	NA	NA	NA	<20.0	<20	<20.0	<20	NA	NA	NA	NA	<20.0	<20	<20.0
Hexachlorobutadiene	NE	NE	NE	< 0.50	NA	<0.5	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<0.5	<1	<1.0	<1	1 U	< 0.50	NA	<0.5	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<0.5	<1	<1.0
Isopropyl benzene	2800	6800	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	**1**	< 0.50	NA	<1.0	<1	<1.0	<1	**1**	< 0.50	NA	<1.0	<1	<1.0	<1	**1**	1 U	< 0.50	NA	<1.0	<1	<1.0
Isopropyltoluene,4-	1600	22000	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0
Methyl tert-butyl ether (MTBE)	21000	50000	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<10.0	<10	<10.0	<10	1 U	< 0.50	< 0.5 U	<10.0	<10	<10.0	<10	1 U	1 U	< 0.50	< 0.5 U	<10.0	<10	<10.0
Methyl-2-pentanone,4-	13000	50000	NE	< 5.0	NA	<5.0	<10	<10.0	<10	2 U	2 U	< 5.0	< 2.0 U	<5.0	<10	<10.0	<10	2 U	< 5.0	< 2.0 U	<5.0	<10	<10.0	<5	2 U	2 U	< 5.0	< 2.0 U	<5.0	<10	<10.0
Methylene chloride	160	2200	48000	< 0.50	NA	<1.0	<1	<1.0	<1	5 U	5 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	5 U	< 0.50	**0.8 L**	<1.0	<1	<1.0	<1	5 U	5 U	**1.5**	< 0.5 U	<1.0	<1	<1.0
Naphthalene	NE	NE	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	< 0.50	NA	<1.0	<1	<2.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0
Propylbenzene, n-	NE	NE	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	**1 J**	< 0.50	NA	<1.0	<1	<1.0	<1	**1 J**	< 0.50	NA	<1.0	<1	<1.0	<1	**1 J**	1 U	< 0.50	NA	<1.0	<1	<1.0
Styrene	3100	42000	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	**1 J**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**1 J**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**1 J**	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Tetrachloroethene	340	810	88	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1.1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**0.62 J**	**8.2**	**6.1**	**6.4**	**5.4**	**5.8**
Tetrahydrofuran	370	NE	NE	NA	NA	<10.0	<10	<10.0	<10	3 U	3 U	NA	NA	<10.0	<10	<10.0	<10	**3**	NA	NA	<10.0	<10	<10.0	>10	3 U	3 U	NA	NA	<10.0	<10	<10.0
Toluene	7100	41000	4000000	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Trans-1,2-dichloroethene	1000	13000	NE	NA	NA	NA	NA	NA	NA	2 U	2 U	NA	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA	NA	NA	2 U	2 U	NA	NA	NA	NA	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	NA	NA	<1.0	<1	<1.0	<1	2 U	2 U	NA	NA	<1.0	<1	<1.0	<1	2 U	NA	NA	<1.0	<1	<1.0	<1	2 U	2 U	NA	NA	<1.0	<1	<1.0
Trichlorobenzene, 1,2,3-	NE	NE	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0
Trichlorobenzene, 1,2,4-	NE	NE	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0
Trichloroethane, 1,1,1-	6500	16000	62000	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Trichloroethane, 1,1,2-	220	2900	1260	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Trichloroethene	27	67	2340	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**0.35 J**	< 0.50	< 0.5 U	<1.0	<1	<1.0
Trichlorofluoromethane	1300	4200	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**0.37 J**	**5.3**	**8.1**	6.6	8.5	6.4
Trichloropropane, 1,2,3-	NE	NE	NE	< 0.50	NA	<1.0	<1	<1.0	<1	2 U	2 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	2 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	2 U	2 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Trihalomethanes, Total (Calc)	NE	NE	NE	NA	NA	<1.0	<1	<1.0	<1	NA	NA	NA	NA	<1.0	<1	<1.0	<1	NA	NA	NA	<1.0	<1	<1.0	<1	NA	NA	NA	NA	<1.0	<1	<1.0
Trimethylbenzene, 1,2,4-	360	4800	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0
Vinyl chloride	1.6	52	15750	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**1 J**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**1 J**	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0
Xylene, m,p-	NE	NE	NE	< 0.50	NA	<2.0	<2	<2.0	<2	1 U	1 U	< 0.50	NA	<2.0	<2	<2.0	<2	1 U	< 0.50	NA	<2.0	<2	<2.0	<2	1 U	1 U	< 0.50	NA	<2.0	<2	<2.0
Xylene, o-	NE	NE	NE	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0
Xylenes, Total	8700	48000	NE	NA	NA	<1.0	<1	<1.0	<1	NA	NA	NA	< 1.0 U	<1.0	<1	<1.0	<1	NA	NA	< 1.0 U	<1.0	<1	<1.0	<1	NA	NA	NA	< 1.0 U	<1.0	<1	<1.0
SVOCs (ug/l)																															
Acenaphthene	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benz[a]anthracene	NE	NE	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz[a,h]anthracene	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorophenol,2,4-	NE	NE	15800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitroaniline,2-	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorophenol, 2,4,5-	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (ug/l)																															
Aluminum	NE	NE	NE	NA	NA	NA	NA	NA	NA	250 U	250 U	NA	NA	NA	NA	NA	NA	4200 U	NA	NA	NA	NA	NA	NA	210 U	**15900**	NA	NA	NA	NA	NA
Antimony	NE	NE	86000	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10 J**	25 U	NA	NA	NA	NA	NA
Arsenic	NE	NE	4	**6.2**	**8**	<4.0	**6.6**	**4.5**	**5.4**	**8.2 J**	5 U	< 5	< 4 U	<4.0	<4	**5.8**	<4	7.1 U	< 5	< 4 U	<4.0	<4	<4	<4	10 U	**6.1 J**	< 5	< 4 U	<4.0	<4	<4.0
Barium	NE	NE	NE	**180**	< 10 U	<5.0	**7.2**	<5.0	<5	**1.9 J**	**1.5 J**	**150**	< 10 U	**14.8**	<7.3	8.4	11.2	**33 J**	**260**	**25 L**	**42.8**	**29**	**28.8**	**68**	82 U	**190**	**200**	**27 L**	**24.4**	**13.6**	**17.4**
Beryllium	NE	NE	4	NA	NA	NA	NA	NA	NA	2.5 U	1.5 U	NA	NA	NA	NA	NA	NA	0.46 U	NA	NA	NA	NA	NA	NA	1.5 U	**1 J**	NA	NA	NA	NA	NA
Cadmium	NE	NE	6	< 5	< 2 U	<2.5	<2.5	<2.5	<2.5	5 U	2.5 U	< 5	< 2 U	**15.0**	<2.5	<2.5	<2.5	2.5 U	< 5	< 2 U	<2.5	<2.5	<2.5	<2.5	2.5 U	**1.6 J**	< 5	< 2 U	**2.6**	<2.5	<2.5
Calcium	NE	NE	NE	NA	NA	NA	NA	NA	NA	**25700**	28900 U	NA	NA	NA	NA	NA	NA	**8200 J**	NA	NA	NA	NA	NA	NA	10600 U	**4900**	NA	NA	NA	NA	NA
Chromium	NE	NE	NE	< 20	< 5 U	<5.0	<5	<5.0	<5	**1 J**	5 U	< 20	< 5 U	<5.0	<5	<5.0	<5	26 U	< 20	< 5 U	<5.0	<5	<5	<5	5 U	**420**	< 20	< 5 U	<5.0	<7.2	<5.0

Table 8
Summary of Historic Groundwater Analytical Results
MacDermid Incorporated.
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Location: Historical Location I.D.: Sample Date:	RES GVC	I/C GVC	SWPC	MW-101 (MAC-6) 2/12/2001	MW-101 8/13/2004	MW-101 7/27/2006	MW-101 10/30/2006	MW-101 2/16/2007	MW-101 05/25/2007	MW-101 12/26/2007	MW-101 4/18/2008	MW-102 (MAC-5) 2/12/2001	MW-102 8/13/2004	MW-102 7/27/2006	MW-102 10/30/2006	MW-102 2/16/2007	MW-102 05/25/2007	MW-102 4/18/2008	MW-103 (GZ-2) 2/08/2001	MW-103 8/16/2004	MW-103 7/27/2006	MW-103 10/30/2006	MW-103 2/15/2007	MW-103 05/23/2007	MW-103 4/18/2008	MW-104* 12/26/2007	MW-105 (GZ-7) 2/08/2001	MW-105 8/12/2004	MW-105 7/27/2006	MW-105 10/30/2006	MW-105 2/20/2007
Cobalt	NE	NE	NE	NA	NA	NA	NA	NA	NA	5 U	5 U	NA	NA	NA	NA	NA	NA	**26**	NA	NA	NA	NA	NA	NA	5 U	**14**	NA	NA	NA	NA	NA
Copper	NE	NE	48	**110**	< 5 U	<5.0	**142**	**21.7**	**6.1**	**11**	11 U	**10**	< 5 U	**11.2**	<5	12.1	<5	**140**	< 10	< 5 U	<5.0	<5	<5	<5	5 U	**69**	< 10	< 5 U	<5.0	<5	<5.0
Fluoride	NE	NE	NE	< 200	NA	NA	NA	NA	NA	NA	NA	< 200	NA	NA	NA	NA	NA	NA	< 200	NA	NA	NA	NA	NA	NA	NA	< 200	NA	NA	NA	NA
Iron	NE	NE	NE	NA	NA	NA	NA	NA	NA	**120**	83 U	NA	NA	NA	NA	NA	NA	18700 U	NA	NA	NA	NA	NA	NA	300 U	**36700**	NA	NA	NA	NA	NA
Lead	NE	NE	13	< 5	< 5.0 U	<7.5	<7.5	<7.5	<7.5	**24**	5 U	< 5	< 5.0 U	<7.5	<7.5	<7.5	<7.5	7.6 U	< 5	< 5.0 U	<7.5	<7.5	<7.5	<7.5	5 U	**25**	< 5	< 5.0 U	<7.5	<7.5	<7.5
Magnesium	NE	NE	NE	NA	NA	NA	NA	NA	NA	**1100**	1200 U	NA	NA	NA	NA	NA	NA	**3600**	NA	NA	NA	NA	NA	NA	1600 U	**5700**	NA	NA	NA	NA	NA
Manganese	NE	NE	NE	NA	NA	NA	NA	NA	NA	**11**	**14 J**	NA	NA	NA	NA	NA	NA	**960**	NA	NA	NA	NA	NA	NA	**75 J**	**1100**	NA	NA	NA	NA	NA
Mercury	NE	NE	NE	< 0.2	< 2 U	<0.20	<0.2	<0.20	<0.2	NA	NA	< 0.2	< 2 U	<0.20	<0.2	<0.20	<0.2	NA	< 0.2	< 2 U	<0.20	<0.2	<0.2	<0.2	NA	NA	< 0.2	< 2 U	<0.20	<0.2	<0.20
Nickel	NE	NE	880	< 20	< 10 U	<5.0	<5	<5.0	<5	5 U	5 U	< 20	**27 L**	**23.7**	**19.4**	**32.2**	**18.4**	48 U	< 20	< 10 U	<5.0	<5	<5	<5	5 U	**66**	< 20	**27 L**	<5.0	<5	<5.0
Potassium	NE	NE	NE	NA	NA	NA	NA	NA	NA	**520**	540 U	NA	NA	NA	NA	NA	NA	**1700**	NA	NA	NA	NA	NA	NA	1700 U	**4500**	NA	NA	NA	NA	NA
Selenium	NE	NE	50	< 5	< 5 U	<15.0	<15	<15.0	<15	15 U	15 U	< 5	< 5 U	<15.0	<15	<15.0	<15	15 U	< 5	< 5 U	<15.0	<15	<15	<15	15 U	15 U	< 5	< 5 U	<15.0	<15	<15.0
Silver	NE	NE	12	< 10	< 5 U	<5.0	<5	<5.0	<5	2.5 U	2.5 U	< 10	< 5 U	<5.0	<5	<5.0	<5	2.5 U	< 10	< 5 U	<5.0	<5	<5	<12.5	2.5 U	**0.84 J**	< 10	< 5 U	<5.0	<5	<10.0
Sodium	NE	NE	NE	NA	NA	NA	NA	NA	NA	**4000**	4100 U	NA	NA	NA	NA	NA	NA	2900 U	NA	NA	NA	NA	NA	NA	8000 U	**13200**	NA	NA	NA	NA	NA
Vanadium	NE	NE	NE	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	13 U	NA	NA	NA	NA	NA	NA	0.55 U	**38**	NA	NA	NA	NA	NA
Zinc	NE	NE	123	**110**	**145**	**123**	**1590**	**329**	**102**	**62**	81 U	**43**	**16**	**127**	<38	<55.5	**27**	100 U	**66**	**10 L**	**75**	<38	**6.8**	**42.5**	11 U	**93**	**59**	**10 L**	**91.0**	<38	**15.2**
Filtered Metals (ug/l)																															
Barium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.1	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NE	NE	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NE	NE	48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NE	NE	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.5	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.2	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NE	NE	880	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NE	NE	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NE	NE	123	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<123	NA	NA	NA	NA	NA	NA	NA	NA
Total Cyanide (ug/l)																															
Cyanide, Total	NE	NE	52	NA	NA	NA	NA	NA	NA	10 U	10 UJ	NA	< 5 U	NA	NA	NA	NA	**2.3**	NA	< 5 U	NA	NA	NA	NA	3.4 U	**2.9 J**	NA	< 5 U	NA	NA	NA
Cyanide, water	NE	NE	NE	> 10	NA	NA	NA	NA	NA	NA	NA	> 10	NA	NA	NA	NA	NA	NA	> 10	NA	NA	NA	NA	NA	NA	NA	> 10	NA	NA	NA	NA
Cyanide-Amenable, Water	NE	NE	NE	> 10	NA	NA	NA	NA	NA	NA	NA	> 10	NA	NA	NA	NA	NA	NA	> 10	NA	NA	NA	NA	NA	NA	NA	> 10	NA	NA	NA	NA

Table 8
Summary of Historic Groundwater Analytical Results
MacDermid Incorporated.
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Location:				MW-105	MW-105	MW-105	MW-107**	MW-108	MW-109	Duplicate of:	MW-109	MW-109	MW-109	Duplicate of:	MW-109	MW-109	MW-109	Duplicate of:	MW-110	Du[plicate of:	MW-110	MW-110	MW-110	MW-110	MW-110	MW-111	MW-111	MW-111
Historical Location I.D.:								(GZ-9)	(GZ-8)	MW-109				MW-109				MW-109	(MAC-1)	MW-110						(GZ-6)		
Sample Date:	RES GVC	I/C GVC	SWPC	05/23/2007	12/26/2007	4/16/2008	12/26/2007	2/08/2001	2/08/2001	(GZ-8A) 2/08/2001	8/13/2004	7/27/2006	10/30/2006	10/30/2006	2/15/2007	5/25/2007	4/18/2008	4/18/2008	2/08/2001	(MAC-1A) 2/08/2001	8/12/2004	7/28/2006	10/31/2006	2/16/2007	5/25/2007	2/08/2001	8/12/2004	7/27/2006
VOCs (ug/l)																												
Acetone	50000	50000	NE	<10	5 U	**5**	**0.69 J**	**7.9**	**230**	**210**	< 10 U	<20.0	<10	<10	<20.0	<10	5 U	**5**	**45**	**30**	< 10 U	<20.0	<10	<20.0	<10	**11**	< 10 U	<20.0
Acrylonitrile	NE	NE	20	<0.5	NA	NA	NA	NA	NA	NA	< 0.5 U	<0.5	<1	<1	<0.5	**180**	NA	NA	NA	NA	< 0.5 U	<0.5	<1	<0.5	<1	NA	< 0.5 U	<0.5
Benzene	130	310	710	<1	0.5 U	**0.5 J**	0.5 U	< 0.50	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1	<1.0	<1	0.5 U	**0.5**	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	< 0.50	< 0.5 U	<1.0
Bromobenzene	NE	NE	NE	<1	2 U	2 U	2 U	< 0.50	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1	<1.0	<1	2 U	2 U	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	< 0.50	< 0.5 U	<1.0
Bromomethane	NE	NE	NE	<2	3 U	3 U	3 U	< 0.50	< 0.50	< 0.50	< 0.5 U	<2.0	<2	<2	<2.0	<2	3 U	3 U	< 0.50	< 0.50	< 0.5 U	**4.2**	<2	<2.0	<2	< 0.50	< 0.5 U	<2.0
Butanone, 2-	50000	50000	NE	<1	2 U	2 U	2 U	< 0.50	< 0.50	< 0.50	< 2.0 U	<1.0	<1	<1.0	<1	<10	2 U	2 U	< 0.50	< 0.50	< 2.0 U	<1.0	<1	<1.0	<1	< 0.50	**3.5**	<1.0
Butyl alcohol, tert-	NE	NE	NE	<10	NA	NA	NA	NA	NA	NA	NA	<10.0	<10	<10	<10.0	**203**	NA	NA	NA	NA	NA	<10.0	<10	<10.0	<10	NA	NA	<10.0
Butylbenzene, tert-	NE	NE	NE	<1	1 U	1 U	1 U	< 0.50	< 0.50	< 0.50	NA	<1.0	<1	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.50	NA	<1.0	<1	<1.0	<1	< 0.50	NA	<1.0
Butylbenzene,sec-	1500	20000	NE	<1	1 U	1 U	1 U	< 0.50	< 0.50	< 0.50	NA	<1.0	<1	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.50	NA	<1.0	<1	<1.0	<1	< 0.50	NA	<1.0
Carbon disulfide	NE	NE	NE	<5	1 U	**1 J**	1 U	NA	NA	NA	< 0.5 U	<5.0	<5	<5	<5.0	<5	1 U	**1**	NA	NA	< 0.5 U	<5.0	<5	<5.0	<5	NA	< 0.5 U	<5.0
Carbon tetrachloride	5.3	14	132	<1	1 U	1 U	1 U	< 0.50	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	< 0.50	< 0.5 U	<1.0
Chlorobenzene	1800	23000	420000	<1	1 U	1 U	1 U	**8.3**	**0.59**	**0.70**	< 0.5 U	<1.0	<1	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	< 0.50	< 0.5 U	<1.0
Chloroethane	12000	29000	NE	<2	3 U	3 U	3 U	**1.0**	< 0.50	< 0.50	< 0.5 U	<2.0	<2	<2	<2.0	<2	3 U	3 U	< 0.50	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	**5.1**	< 0.5 U	<2.0
Chloroform	26	62	14100	<1	**0.22 J**	0.15 U	1 U	**0.74**	**0.92**	**1.0**	**0.6 L**	<1.0	<1	<1	<1.0	<1	1 U	1 U	**5.7**	**5.9**	< 0.5 U	<1.0	<1	<1.0	<1	< 0.50	**0.5 L**	<1.0
Chloromethane	390	5500	NE	<2	1 U	**1 J**	1 U	< 0.50	< 0.50	< 0.50	< 0.5 U	<2.0	<2	<2	<2.0	<2	1 U	1 U	**0.88**	**0.91**	< 0.5 U	<2.0	<2	<2.0	<2	< 0.50	< 0.5 U	<2.0
Chlorotoluene,2-	NE	NE	NE	<1	1 U	1 U	1 U	< 0.50	**0.74**	**0.80**	< 0.5 U	<1.0	<1	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	< 0.50	< 0.5 U	<1.0
Dibromo-3-chloropropane,1,2-	NE	NE	NE	<2	1 U	**1 J**	1 U	< 0.50	< 0.50	< 0.50	NA	<2.0	<2	<2	<2.0	<2	1 U	**1 J**	< 0.50	< 0.50	NA	<2.0	<2	<2.0	<2	< 0.50	NA	<2.0
Dibromoethane,1,2-	0.3	11	NE	<0.5	1 U	1 U	1 U	< 0.50	**5.7**	**5.7**	NA	<0.5	<1	<1	<0.5	<1	1 U	1 U	< 0.50	< 0.50	NA	<0.5	<1	<0.5	<1	**17**	NA	<0.5
Dichlorobenzene,1,2-	5100	50000	170000	<1	1 U	1 U	1 U	**12**	**5.5**	**5.8**	< 0.5 U	<1.0	<1	<1	<1.0	<1	1 U	1 U	**0.53**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	< 0.50	< 0.5 U	<1.0
Dichlorobenzene,1,3-	4300	50000	26000	<1	1 U	1 U	1 U	**0.98**	< 0.50	**1.0**	< 0.5 U	<1.0	<1	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	< 0.50	< 0.5 U	<1.0
Dichlorobenzene,1,4-	1400	3400	26000	<2	1 U	1 U	1 U	**2.0**	**0.91**	< 0.50	< 0.5 U	<2.0	<2	<2	<2.0	<2	1 U	1 U	< 0.50	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	< 0.50	< 0.5 U	<2.0
Dichlorodifluoromethane	93	1200	NE	<1	1 U	1 U	1 U	< 0.50	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1	<1.0	<1	0.44 U	0.57 U	< 0.50	**0.51**	< 0.5 U	<1.0	<1	<1.0	<1	**2.0**	< 0.5 U	**2.9**
Dichloroethane,1,1-	3000	41000	NE	<1	1 U	1 U	1 U	< 0.50	< 0.50	**1.0**	**1.1**	<1.0	<1	<1	<1.0	<1	**1 J**	**1**	< 0.50	< 0.50	**1.2**	<1.0	<1	<1.0	<1	**42**	< 0.5 U	<1.0
Dichloroethane,1,2-	6.5	68	2970	<1	1 U	1 U	1 U	< 0.50	< 0.50	**6.5**	< 0.5 U	<1.0	<1	<1	<1.0	<1	1 U	1 U	**1.4**	**1.3**	**2.5**	<1.0	<1	<1.0	<1	< 0.50	< 0.5 U	<1.0
Dichloroethene, cis-1,2-	830	11000	NE	<1	1 U	1 U	1 U	**3.7**	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**1.2**	< 0.5 U	<1.0
Dichloroethene, trans-1,2-	NE	13000	NE	<1	NA	NA	NA	< 0.50	**0.99**	< 0.50	< 0.5 U	<1.0	<1	<1	<1.0	<1	NA	NA	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	< 0.50	< 0.5 U	<1.0
Dichloroethene,1,1-	190	920	96	<1	1 U	1 U	1 U	**8.6**	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**0.50**	< 0.5 U	<1.0
Dioxane, p-	NE	NE	NE	<20	NA	NA	NA	NA	NA	NA	NA	<20.0	<20	<20.0	<20	<20	NA	NA	NA	NA	NA	<1.0	<1	<1.0	<1	NA	NA	<20.0
Hexachlorobutadiene	NE	NE	NE	<1	1 U	1 U	**1**	< 0.50	< 0.50	< 0.50	NA	<0.5	<1	<1.0	<1	<1	1 U	1 U	< 0.50	< 0.50	NA	<0.5	<1	<1.0	<1	< 0.50	NA	<0.5
Isopropyl benzene	2800	6800	NE	<1	1 U	**1**	1 U	< 0.50	< 0.50	< 0.50	NA	<1.0	<1	<1	<1.0	<1	1 U	**1**	< 0.50	< 0.50	NA	<1.0	<1	<1.0	<1	< 0.50	NA	<1.0
Isopropyltoluene,4-	1600	22000	NE	<1	1 U	1 U	1 U	**0.51**	< 0.50	< 0.50	NA	<1.0	<1	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.50	NA	<1.0	<1	<1.0	<1	< 0.50	NA	<1.0
Methyl tert-butyl ether (MTBE)	21000	50000	NE	<10	1 U	1 U	1 U	< 0.50	< 0.50	< 0.50	< 0.5 U	<10.0	<10	<10	<10.0	<10	1 U	1 U	< 0.50	< 0.50	< 0.5 U	<10.0	<10	<10.0	<10	< 0.50	< 0.5 U	<10.0
Methyl-2-pentanone,4-	13000	50000	NE	<5	2 U	2 U	2 U	< 5.0	**7.7**	**7.8**	< 2.0 U	<5.0	<10	<10	<5.0	<10	2 U	2 U	< 5.0	< 5.0	< 2.0 U	<5.0	<10	<5.0	<10	< 5.0	< 2.0 U	<5.0
Methylene chloride	160	2200	48000	<1	5 U	5 U	5 U	**0.54**	**0.99**	**1**	< 0.5 U	<1.0	<1	<1	<1.0	<1	5 U	5 U	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	< 0.50	< 0.5 U	<1.0
Naphthalene	NE	NE	NE	<1	1 U	1 U	1 U	**1.2**	**0.56**	**0.60**	NA	<1.0	<1	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.50	NA	<1.0	<1	<1.0	<1	< 0.50	NA	<1.0
Propylbenzene, n-	NE	NE	NE	<1	1 U	**1 J**	1 U	< 0.50	< 0.50	< 0.50	NA	<1.0	<1	<1	<1.0	<1	**1 J**	**1 J**	< 0.50	< 0.50	NA	<1.0	<1	<1.0	<1	< 0.50	NA	<1.0
Styrene	3100	42000	NE	<1	1 U	**1 J**	1 U	< 0.50	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1	<1.0	<1	**1 J**	**1 J**	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	< 0.50	< 0.5 U	<1.0
Tetrachloroethene	340	810	88	**6.9**	**6.2**	8.5 U	**4.6**	**16**	**4.7**	**4.6**	**5.1**	**1.7**	**4.2**	**4.4**	**4.2**	**1.7**	3.2 U	3.2 U	< 0.50	**94**	**20 H**	**6.3**	**38.5**	**46.9**	**17.8**	**9.4**	**2.3**	**2.5**
Tetrahydrofuran	370	NE	NE	<10	3 U	**3**	3 U	NA	NA	NA	NA	<10.0	<10	<10	<10.0	<10	**3**	**3**	NA	NA	NA	<10.0	<10	<10.0	<10	NA	NA	<10.0
Toluene	7100	41000	4000000	<1	1 U	1 U	1 U	< 0.50	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1	<1.0	<1	1 U	1 U	**93**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	< 0.50	< 0.5 U	<1.0
Trans-1,2-dichloroethene	1000	13000	NE	NA	2 U	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	<1	2 U	2 U	2 U	NA	NA	NA	NA	<1.0	<1	<1	<1.0	<1	2 U	2 U	NA	NA	NA	<1.0	<1	<1.0	<1	NA	NA	<1.0
Trichlorobenzene, 1,2,3-	NE	NE	NE	<1	1 U	1 U	**0.33 J**	< 0.50	< 0.50	< 0.50	NA	<1.0	<1	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.50	NA	<1.0	<1	<1.0	<1	< 0.50	NA	<1.0
Trichlorobenzene, 1,2,4-	NE	NE	NE	<1	1 U	1 U	**0.33 J**	**2.4**	**33**	**31**	NA	<1.0	**3.6**	**3.2**	**2.4**	<1	1 U	1 U	**5.0**	**1.7**	NA	<1.0	<1	<1.0	<1	< 0.50	NA	<1.0
Trichloroethane, 1,1,1-	6500	16000	62000	<1	1 U	1 U	1 U	**1.9**	**0.55**	**0.60**	**0.8 L**	<1.0	**1.2**	**1.2**	<1.0	<1	1 U	1 U	**0.69**	**0.69**	< 0.5 U	<1.0	<1	**1.5**	<1	**1.9**	< 0.5 U	<1.0
Trichloroethane, 1,1,2-	220	2900	1260	<1	1 U	1 U	1 U	< 0.50	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	< 0.50	< 0.5 U	<1.0
Trichloroethene	27	67	2340	<1	**0.13 J**	0.15 U	**0.26 J**	< 0.50	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**0.84**	< 0.5 U	<1.0
Trichlorofluoromethane	1300	4200	NE	6.3	**7.7**	**6.8 J**	**1.3**	**5.3**	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1	<1.0	<1	0.29 U	0.37 U	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	< 0.50	< 0.5 U	<1.0
Trichloropropane, 1,2,3-	NE	NE	NE	<1	2 U	**2**	2 U	< 0.50	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1	<1.0	<1	2 U	**2 J**	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	< 0.50	< 0.5 U	<1.0
Trihalomethanes, Total (Calc)	NE	NE	NE	<1	NA	NA	NA	NA	NA	NA	NA	<1.0	<1	<1	<1.0	<1	NA	NA	NA	NA	NA	<1.0	<1	<1.0	<1	NA	NA	<1.0
Trimethylbenzene, 1,2,4-	360	4800	NE	<1	1 U	1 U	1 U	**1.0**	< 0.50	< 0.50	NA	<1.0	<1	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.50	NA	<1.0	<1	<1.0	<1	< 0.50	NA	<1.0
Vinyl chloride	1.6	52	15750	<1	1 U	**1 J**	1 U	**2.7**	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1	<1.0	<1	**1 J**	**1 J**	< 0.50	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**0.75**	< 0.5 U	<1.0
Xylene, m,p-	NE	NE	NE	<2	1 U	1 U	1 U	< 0.50	< 0.50	< 0.50	NA	<2.0	<2	<2	<2.0	<2	1 U	1 U	< 0.50	< 0.50	NA	<2.0	<2	<2.0	<2	< 0.50	NA	<2.0
Xylene, o-	NE	NE	NE	<1	1 U	1 U	1 U	**2.4**	< 0.50	< 0.50	NA	<1.0	<1	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.50	NA	<1.0	<1	<1.0	<1	< 0.50	NA	<1.0
Xylenes, Total	8700	48000	NE	<1	NA	NA	NA	**2.4**	NA	NA	< 1.0 U	<1.0	<1	<1	<1.0	<1	NA	NA	NA	NA	< 1.0 U	<1.0	<1	<1.0	<1	NA	< 1.0 U	<1.0
SVOCs (ug/l)																												
Acenaphthene	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benz[a]anthracene	NE	NE	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.12 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz[a,h]anthracene	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.12 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorophenol,2,4-	NE	NE	15800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitroaniline,2-	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**60**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorophenol, 2,4,5-	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**60 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (ug/l)																												
Aluminum	NE	NE	NE	NA	**11500**	360 U	**104000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	500 U	700 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	NE	NE	86000	NA	25 U	**10**	**6.9 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	**10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NE	NE	4	<4	13 U	10 U	**42**	< 5	< 5	< 5	**7**	<4.0	<4	< 4	<4	<4	10 U	10 U	< 5	< 5	< 4 U	<4.0	<4	<4.0	<4	< 5	< 4 U	<4.0
Barium	NE	NE	NE	**58.1**	**230**	46 U	**650**	**160**	**160**	**200**	**24 L**	**58.7**	**43.3**	**43.8**	**111**	**75.4**	140 U	160 U	**150**	**170**	**18 L**	**11.3**	**20.4**	**40**	**171**	**420**	**42 L**	**62.3**
Beryllium	NE	NE	4	NA	**0.88 J**	1.5 U	**5.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5 U	1.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NE	NE	6	<2.5	**1.2 J**	2.5 U	**8.2**	< 5	< 5	< 5	< 2 U	<2.5	<2.5	< 2.5	<2.5	<2.5	7 U	7.8 U	**83**	**89**	< 2 U	<2.5	<2.5	<2.5	<2.5	< 5	< 2 U	<2.5
Calcium	NE	NE	NE	NA	**7200**	2400 U	**6800**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**49500**	**54700**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NE	NE	NE	25.6	**43**	20 U	**7200**	< 20	**26**	**26**	**32 L**	**14.2**	**7.4**	< 7.7	**7.6**	**3.72**	21 U	34 U	**86**	**36**	**11 L**	**8.6**	**5.9**	**11.6**	**10.4**	< 20	< 5 U	< 5.0

Table 8
Summary of Historic Groundwater Analytical Results
MacDermid Incorporated.
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Location: Historical Location I.D.: Sample Date:	RES GVC	I/C GVC	SWPC	MW-105 05/23/2007	MW-105 12/26/2007	MW-105 4/16/2008	MW-107** 12/26/2007	MW-108 (GZ-9) 2/08/2001	MW-109 (GZ-8) 2/08/2001	Duplicate of: MW-109 (GZ-8A) 2/08/2001	MW-109 8/13/2004	MW-109 7/27/2006	MW-109 10/30/2006	Duplicate of: MW-109 10/30/2006	MW-109 2/15/2007	MW-109 5/25/2007	MW-109 4/18/2008	Duplicate of: MW-109 4/18/2008	MW-110 (MAC-1) 2/08/2001	Du[plicate of: MW-110 (MAC-1A) 2/08/2001	MW-110 8/12/2004	MW-110 7/28/2006	MW-110 10/31/2006	MW-110 2/16/2007	MW-110 5/25/2007	MW-111 (GZ-6) 2/08/2001	MW-111 8/12/2004	MW-111 7/27/2006
Cobalt	NE	NE	NE	NA	**12**	**5**	**59**	NA	NA	NA	NA	NA	NA	NA	NA	NA	120 U	**130 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NE	NE	48	<5	**42**	2.1 U	**15900**	**380**	**4100**	**3700**	**291**	**390**	**286**	**284**	**702**	**1730**	**6500**	**7200**	**13000**	**12000**	**512**	**1250**	**606**	**516**	**2270**	**14**	< 5 U	< 5.0
Fluoride	NE	NE	NE	NA	NA	NA	NA	**2600**	**660**	**680**	NA	NA	NA	NA	NA	NA	NA	NA	**600**	**550**	NA	NA	NA	NA	NA	< 200	NA	NA
Iron	NE	NE	NE	NA	**20000**	610 U	**142000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	600 U	650 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NE	NE	13	<7.5	**12**	5 U	**360**	< 5	< 5	< 5	< 5.0 U	<7.5	<7.5	< 7.5	<7.5	<7.5	5 U	5 U	< 5	< 5	< 5.0 U	<7.5	<7.5	<7.5	<7.5	< 5	< 5.0 U	< 7.5
Magnesium	NE	NE	NE	NA	**5600**	640 U	**20900**	NA	NA	NA	NA	NA	NA	NA	NA	NA	8100 U	8800 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NE	NE	NE	NA	**1200**	**81 J**	**1200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4600**	**5000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NE	NE	NE	<0.2	NA	NA	NA	< 0.2	**8**	**8.1**	< 2 U	<0.20	<0.2	< 0.2	<0.2	<0.2	NA	NA	**1**	**9**	**0.3 L**	<0.20	<0.2	<0.25	<0.2	< 0.2	< 2 U	<0.20
Nickel	NE	NE	880	**7.3**	**35**	7.2 U	**480**	**240**	**850**	**740**	**77**	**410**	**362**	**358**	**1510**	**586**	1400 U	1500 U	**1500**	**1600**	**19 L**	**26.9**	**12.7**	**17.4**	**133**	< 20	< 10 U	**10.3**
Potassium	NE	NE	NE	NA	**4600**	**1800 J**	**19200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	7300 U	**8100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NE	NE	50	<15	15 U	15 U	**9.3 J**	< 5	< 5	< 5	< 5 U	<15.0	<15	< 15	<15.0	<15	15 UJ	15 U	< 5	< 5	< 5 U	<15.0	<15	<15.0	<15	< 5	< 5 U	<15.0
Silver	NE	NE	12	<12.5	2.5 U	2.5 U	**45**	< 10	< 10	< 10	< 5 U	<5.0	< 5	< 5.0	<5.0	< 5	1.2 U	1.4 U	**43**	**41**	< 5 U	<5.0	<5	<5.0	< 5	< 10	< 5 U	< 5.0
Sodium	NE	NE	NE	NA	**19100**	24200 U	**37900**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**90300 J**	**96100 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NE	NE	NE	NA	**25**	0.87 U	**140**	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.7 U	1.4 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NE	NE	123	<42.5	**72**	25 U	**690**	**98**	**64**	**82**	**15**	**105**	**79.7**	< 38	**96.8**	**70.6**	2200 U	2400 U	**2900**	**3000**	**63**	< 50.8	< 38	< 55.5	**200**	**150**	**65**	**69.8**
Filtered Metals (ug/l)																												
Barium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	**40**	**40**	**111**	**70.4**	NA	NA	**310**	NA	NA	NA	NA	**44.6**	**172**	NA	NA	NA
Cadmium	NE	NE	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.5	<2.5	<2.5	<2.5	NA	NA	**110**	NA	NA	NA	NA	<2.5	<2.5	NA	NA	NA
Chromium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	<5	<5	<5	NA	NA	**1400**	NA	NA	NA	NA	<5	**10.2**	NA	NA	NA
Copper	NE	NE	48	NA	NA	NA	NA	NA	NA	NA	NA	NA	**230**	**249**	**704**	**1660**	NA	NA	**36000**	NA	NA	NA	NA	**494**	**2260**	NA	NA	NA
Lead	NE	NE	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.5	<7.5	<7.5	<7.5	NA	NA	**6**	NA	NA	NA	NA	<7.5	<7.5	NA	NA	NA
Mercury	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.2	<0.2	<0.2	<0.2	NA	NA	**6**	NA	NA	NA	NA	<0.2	<0.2	NA	NA	NA
Nickel	NE	NE	880	NA	NA	NA	NA	NA	NA	NA	NA	NA	**340**	**352**	**1550**	**691**	NA	NA	**1600**	NA	NA	NA	NA	**18**	**138**	NA	NA	NA
Silver	NE	NE	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	<5	<5	<5	NA	NA	**160**	NA	NA	NA	NA	<5	<5	NA	NA	NA
Zinc	NE	NE	123	NA	NA	NA	NA	NA	NA	NA	NA	NA	<45	<45	<38	**718**	NA	NA	**4900**	NA	NA	NA	NA	**39.9**	**188**	NA	NA	NA
Total Cyanide (ug/l)																												
Cyanide, Total	NE	NE	52	NA	**2.3 J**	2.3 UJ	**28**	NA	NA	NA	< 5 U	NA	NA	NA	NA	NA	**5.3**	**4.8**	NA	NA	< 5 U	NA	NA	NA	NA	NA	< 5 U	NA
Cyanide, water	NE	NE	NE	NA	NA	NA	NA	> 10	**64**	**63**	NA	NA	NA	NA	NA	NA	NA	NA	**12**	**86**	NA	NA	NA	NA	NA	> 10	NA	NA
Cyanide-Amenable, Water	NE	NE	NE	NA	NA	NA	NA	> 10	**12**	>10	NA	NA	NA	NA	NA	NA	NA	NA	> 10	**12**	NA	NA	NA	NA	NA	> 10	NA	NA

Table 8
Summary of Historic Groundwater Analytical Results
MacDermid Incorporated.
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Location: / Historical Location I.D.: / Sample Date:	RES GVC	I/C GVC	SWPC	MW-111 10/30/2006	MW-111 2/15/2007	MW-111 5/23/2007	MW-111 12/26/2007	MW-111 4/16/2008	MW-112 (GZ-3) 2/08/2001	MW-112 8/13/2004	MW-112 7/28/2006	MW-112 10/31/2006	MW-112 2/13/2007	MW-112 5/23/2007	MW-112 12/26/2007	MW-112 4/17/2008	MW-113 (GZ-5) 2/08/2001	MW-113 8/13/2004	MW-113 7/28/2006	MW-113 10/31/2006	MW-113 2/16/2007	MW-113 5/23/2007	MW-113 4/16/2008	MW-114 8/13/2004	MW-114 7/27/2006	MW-114 10/30/2006	MW-114 2/15/2007	Duplicate of: MW-114 2/15/2007	MW-114 5/23/2007	MW-114 4/16/2008	MW-115 8/12/2004
VOCs (ug/l)																															
Acetone	50000	50000	NE	<10	<10.0	<10	**0.71 J**	5 U	< 5.0	< 10 U	<20.0	<10	<10.0	<10	**0.84 J**	5 U	**14**	< 10 U	<20.0	<10	<10.0	<10	5 U	< 10 U	<20.0	<10	<10.0	<10.0	<10	5 U	< 10 U
Acrylonitrile	NE	NE	20	<1	<0.5	<1	NA	NA	NA	< 0.5 U	<0.5	<1	<0.5	<1	NA	NA	NA	< 0.5 U	<0.5	<1	<0.5	<1	NA	< 0.5 U	<0.5	<1	<0.5	<0.5	<1	NA	< 0.5 U
Benzene	130	310	710	<1	<1.0	<1	0.5 U	0.5 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	0.5 U	0.5 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	0.5 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	0.5 U	< 0.5 U
Bromobenzene	NE	NE	NE	<1	<1.0	<1	2 U	2 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	2 U	2 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	2 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	2 U	< 0.5 U
Bromomethane	NE	NE	NE	<2	<2.0	<2	3 U	3 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	3 U	3 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	3 U	< 0.5 U	<2.0	<2	<2.0	<2.0	<2	3 U	< 0.5 U
Butanone, 2-	50000	50000	NE	<1	<1.0	<1	2 U	2 U	< 0.50	< 2.0 U	<1.0	<1	<1.0	<1	2 U	2 U	< 0.50	< 2.0 U	<1.0	<1	<1.0	<1	2 U	< 2.0 U	<1.0	<1	<1.0	<1.0	<1	2 U	< 2.0 U
Butyl alcohol, tert-	NE	NE	NE	<10	<10.0	<10	NA	NA	NA	NA	<10.0	<10	<10.0	<10	NA	NA	NA	NA	<10.0	<10	<10.0	<10	NA	NA	<10.0	<10	<10.0	<10.0	<10	NA	NA
Butylbenzene, tert-	NE	NE	NE	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	**0.70**	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	1 U	NA
Butylbenzene,sec-	1500	20000	NE	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	**1.6**	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	1 U	NA
Carbon disulfide	NE	NE	NE	<5	<5.0	<5	1 U	1 U	NA	< 0.5 U	<5.0	<5	<5.0	<5	1 U	1 U	NA	< 0.5 U	<5.0	<5	<5.0	<5	1 U	< 0.5 U	<5.0	<5	<5.0	<5.0	<5	1 U	< 0.5 U
Carbon tetrachloride	5.3	14	132	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	< 0.5 U
Chlorobenzene	1800	23000	420000	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	**1 L**
Chloroethane	12000	29000	NE	<2	<2.0	<2	3 U	3 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	3 U	3 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	3 U	< 0.5 U	<2.0	<2	<2.0	<2.0	<2	3 U	< 0.5 U
Chloroform	26	62	14100	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**0.5 L**	<1.0	<1	<1.0	<1.0	<1	0.18 U	**26**
Chloromethane	390	5500	NE	<2	<2.0	<2	1 U	1 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	1 U	1 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	1 U	< 0.5 U	<2.0	<2	<2.0	<2.0	<2	**1 J**	< 0.5 U
Chlorotoluene,2-	NE	NE	NE	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	< 0.5 U
Dibromo-3-chloropropane,1,2-	NE	NE	NE	<2	<2.0	<2	1 U	1 U	< 0.50	NA	<2.0	<2	<2.0	<2	1 U	1 U	< 0.50	NA	<2.0	<2	<2.0	<2	1 U	NA	<2.0	<2	<2.0	<2.0	<2	1 U	NA
Dibromoethane,1,2-	0.3	11	NE	<1	<0.5	<1	1 U	1 U	< 0.50	NA	<0.5	<1	<0.5	<1	1 U	1 U	< 0.50	NA	<0.5	<1	<0.5	<1	1 U	NA	<0.5	<1	<0.5	<0.5	<1	1 U	NA
Dichlorobenzene,1,2-	5100	50000	170000	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	< 0.5 U
Dichlorobenzene,1,3-	4300	50000	26000	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	< 0.5 U
Dichlorobenzene,1,4-	1400	3400	26000	<2	<2.0	<2	1 U	1 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	1 U	1 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	1 U	< 0.5 U	<2.0	<2	<2.0	<2.0	<2	1 U	**0.5 L**
Dichlorodifluoromethane	93	1200	NE	**2.6**	**2.4**	**2**	**3**	0.36 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	1 U	1 U	< 0.50	< 0.5 U	<2.0	<2	<2.0	<2	1 U	**2.1**	**2.0**	<2	**2.0**	**2.1**	**2.1**	0.65 U	**2.6**
Dichloroethane,1,1-	3000	41000	NE	<1	<1.0	**1.7**	1 U	**1.1 J**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	**1**	**1.0**
Dichloroethane,1,2-	6.5	68	2970	<1	<1.0	<1	1 U	**1**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	**12**
Dichloroethene, cis-1,2-	830	11000	NE	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	0.2 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	**1.6**
Dichloroethene, trans-1,2-	NE	13000	NE	<1	<1.0	<1	NA	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	NA	NA	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	NA	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	NA	< 0.5 U
Dichloroethene,1,1-	190	920	96	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**1 J**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	**60**
Dioxane, p-	NE	NE	NE	<20	<20.0	<20	NA	NA	NA	NA	<20.0	<20	<20.0	<20	NA	NA	NA	NA	<20.0	<20	<20.0	<20	NA	NA	<20.0	<20	<20.0	<20.0	<20	NA	NA
Hexachlorobutadiene	NE	NE	NE	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<0.5	<1	<1.0	<1	**1**	1 U	< 0.50	NA	<0.5	<1	<1.0	<1	1 U	NA	<0.5	<1	<1.0	<1	<1	1 U	NA
Isopropyl benzene	2800	6800	NE	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	**0.56**	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	1 U	NA
Isopropyltoluene,4-	1600	22000	NE	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	**0.91**	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	1 U	NA
Methyl tert-butyl ether (MTBE)	21000	50000	NE	<10	<10.0	<10	1 U	1 U	< 0.50	< 0.5 U	<10.0	<10	<10.0	<10	1 U	1 U	< 0.50	< 0.5 U	<10.0	<10	<10.0	<10	1 U	< 0.5 U	<10.0	<10	<10.0	<10.0	<10	1 U	< 0.5 U
Methyl-2-pentanone,4-	13000	50000	NE	<10	<5.0	<10	2 U	2 U	< 5.0	< 2.0 U	<5.0	<10	<5.0	<10	2 U	2 U	< 5.0	< 2.0 U	<5.0	<10	<5.0	<10	2 U	< 2.0 U	<5.0	<10	<5.0	<5.0	<10	2 U	< 2.0 U
Methylene chloride	160	2200	48000	<1	<1.0	<1	5 U	5 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	5 U	5 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	5 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	5 U	**6.2**
Naphthalene	NE	NE	NE	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	1 U	NA
Propylbenzene, n-	NE	NE	NE	<1	<1.0	<1	1 U	**1 J**	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	**1 J**	< 0.50	NA	<1.0	<1	<1.0	<1	**1 J**	NA	<1.0	<1	<1.0	<1.0	<1	**1 J**	NA
Styrene	3100	42000	NE	<1	<1.0	<1	1 U	**1 J**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**1 J**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**1 J**	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	**1 J**	< 0.5 U
Tetrachloroethene	340	810	88	**1.9**	**3.0**	**3.6**	**2.8**	1.7 U	**3.0**	**4.9**	**3.9**	**2.9**	**3.5**	**7.2**	**2.2**	7.2 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	0.17 U	**4.1**	**2.8**	**1**	**5.4**	**5.5**	**5.1**	2.5 U	**280**
Tetrahydrofuran	370	NE	NE	<10	<10.0	<10	3 U	**3**	NA	NA	<10.0	<10	<10.0	<10	3 U	**3**	NA	NA	<10.0	<10	<10.0	<10	**3 J**	NA	<10.0	<10	<10.0	<10.0	<10	**3**	NA
Toluene	7100	41000	4000000	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	0.11 U	< 0.5 U
Trans-1,2-dichloroethene	1000	13000	NE	NA	NA	NA	2 U	2 U	NA	NA	NA	NA	NA	NA	2 U	2 U	NA	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA	NA	NA	**2 J**	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	<1	<1.0	<1	2 U	2 U	NA	NA	<1.0	<1	<1.0	<1	2 U	2 U	NA	NA	<1.0	<1	<1.0	<1	2 U	NA	<1.0	<1	<1.0	<1.0	<1	2 U	NA
Trichlorobenzene, 1,2,3-	NE	NE	NE	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	1 U	NA
Trichlorobenzene, 1,2,4-	NE	NE	NE	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	1 U	NA
Trichloroethane, 1,1,1-	6500	16000	62000	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	**25**
Trichloroethane, 1,1,2-	220	2900	1260	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	< 0.5 U
Trichloroethene	27	67	2340	<1	<1.0	<1	**0.13 J**	0.11 U	**0.81**	**0.9 L**	<1.0	<1	<1.0	**1.7**	**0.58 J**	2.6 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	**20**
Trichlorofluoromethane	1300	4200	NE	<1	<1.0	<1	1 U	**1 J**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**1**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	0.13 U	< 0.5 U
Trichloropropane, 1,2,3-	NE	NE	NE	<1	<1.0	<1	2 U	2 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	2 U	2 U	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	2 U	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	2 U	< 0.5 U
Trihalomethanes, Total (Calc)	NE	NE	NE	<1	<1.0	<1	NA	NA	NA	NA	<1.0	<1	<1.0	<1	NA	NA	NA	NA	<1.0	<1	<1.0	<1	NA	NA	<1.0	<1	<1.0	<1.0	<1	NA	NA
Trimethylbenzene, 1,2,4-	360	4800	NE	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	1 U	NA
Vinyl chloride	1.6	52	15750	<1	<1.0	<1	1 U	**1 J**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	1 U	**1**	< 0.50	< 0.5 U	<1.0	<1	<1.0	<1	**1**	< 0.5 U	<1.0	<1	<1.0	<1.0	<1	1 U	< 0.5 U
Xylene, m,p-	NE	NE	NE	<2	<2.0	<2	1 U	0.12 U	< 0.50	NA	<2.0	<2	<2.0	<2	1 U	1 U	< 0.50	NA	<2.0	<2	<2.0	<2	1 U	NA	<2.0	<2	<2.0	<2.0	<2	0.18 U	NA
Xylene, o-	NE	NE	NE	<1	<1.0	<1	1 U	**1 J**	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	1 U	< 0.50	NA	<1.0	<1	<1.0	<1	1 U	NA	<1.0	<1	<1.0	<1.0	<1	**1 J**	NA
Xylenes, Total	8700	48000	NE	<1	<1.0	<1	NA	**1 J**	NA	< 1.0 U	<1.0	<1	<1.0	<1	NA	NA	NA	< 1.0 U	<1.0	<1	<1.0	<1	NA	< 1.0 U	<1.0	<1	<1.0	<1.0	<1	**1 J**	**1.2 J**
SVOCs (ug/l)																															
Acenaphthene	NE	NE	NE	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	**10 J**	NA	NA	NA	NA	NA	NA	**10 J**	NA	NA	NA	NA	NA	NA	**10**	NA
Benz[a]anthracene	NE	NE	0.3	NA	NA	NA	NA	**0.1**	NA	NA	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	**0.1**	NA	NA	NA	NA	NA	NA	**0.1**	NA
Bis(2-chloroethoxy)methane	NE	NE	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	**10 J**	NA	NA	NA	NA	NA	NA	10 U	NA
Carbazole	NE	NE	NE	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10**	NA
Chrysene	NE	NE	NE	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	NA	**0.1**	NA	NA	NA	NA	NA	NA	**0.1**	NA	NA	NA	NA	NA	NA	0.1 U	NA
Dibenz[a,h]anthracene	NE	NE	NE	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	**0.1 J**	NA
Dichlorophenol,2,4-	NE	NE	15800	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U	NA
Isophorone	NE	NE	NE	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10**	NA
Nitroaniline,2-	NE	NE	NE	NA	NA	NA	NA	**50 J**	NA	NA	NA	NA	NA	NA	NA	**50**	NA	NA	NA	NA	NA	NA	**50**	NA	NA	NA	NA	NA	NA	**50 J**	NA
Trichlorophenol, 2,4,5-	NE	NE	NE	NA	NA	NA	NA	50 U	NA	NA	NA	NA	NA	NA	NA	50 U	NA	NA	NA	NA	NA	NA	50 U	NA	NA	NA	NA	NA	NA	**50 J**	NA
Total Metals (ug/l)																															
Aluminum	NE	NE	NE	NA	NA	NA	**4300**	2000 U	NA	NA	NA	NA	NA	NA	**6000**	1600 U	NA	NA	NA	NA	NA	NA	18500 U	NA	NA	NA	NA	NA	NA	60 U	NA
Antimony	NE	NE	86000	NA	NA	NA	25 U	10 U	NA	NA	NA	NA	NA	NA	25 U	10 U	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U	NA
Arsenic	NE	NE	4	<4	<4.0	<4	13 U	10 U	< 5	< 4 U	<4.0	< 4	< 4	< 4	**3 J**	10 U	< 5	< 4 U	<4.0	< 4	< 4	< 4	10 U	< 4 U	<4.0	< 4	< 4	< 4	**4.4**	10 U	< 4 U
Barium	NE	NE	NE	**21.6**	**40.8**	**77**	**82**	120 U	**270**	**27 L**	**23.8**	**15.1**	**14.8**	**19.4**	**82**	59 U	**440**	**32 L**	**19.0**	**22.2**	**31.8**	**30.2**	190 U	**146**	**75.4**	**24**	**158**	**149**	**210**	130 U	**60**
Beryllium	NE	NE	4	NA	NA	NA	2.5 U	1.5 U	NA	NA	NA	NA	NA	NA	**0.35 J**	1.5 U	NA	NA	NA	NA	NA	NA	0.72 U	NA	NA	NA	NA	NA	NA	1.5 U	NA
Cadmium	NE	NE	6	<2.5	<2.5	<2.5	**1.2 J**	0.91 U	< 5	< 2 U	<2.5	<2.5	<2.5	<2.5	**2.4 J**	0.59 U	< 5	< 2 U	<2.5	<2.5	<2.5	<2.5	1.1 U	< 2 U	<2.5	<2.5	<2.5	<2.5	<2.5	0.74 U	< 2 U
Calcium	NE	NE	NE	NA	NA	NA	**24300**	**37000 J**	NA	NA	NA	NA	NA	NA	**13500**	**28100 J**	NA	NA	NA	NA	NA	NA	**21700 J**	NA	NA	NA	NA	NA	NA	**33500 J**	NA
Chromium	NE	NE	NE	< 5	< 5.0	< 5	**13**	4.2 U	< 20	**27 L**	**9.4**	**10**	< 5	**8**	**35**	17 U	< 20	< 5 U	< 5.0	< 5	**6.8**	< 5	30 U	< 5 U	< 5.0	< 5	< 5.0	< 5.0	**7**	5 U	**526**

Table 8
Summary of Historic Groundwater Analytical Results
MacDermid Incorporated.
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Location:				MW-111	MW-111	MW-111	MW-111	MW-111	MW-112 (GZ-3)	MW-112	MW-112	MW-112	MW-112	MW-112	MW-112	MW-112	MW-113 (GZ-5)	MW-113	MW-113	MW-113	MW-113	MW-113	MW-113	MW-114	MW-114	MW-114	MW-114	Duplicate of: MW-114	MW-114	MW-114	MW-115
Historical Location I.D.:																															
Sample Date:	RES GVC	I/C GVC	SWPC	10/30/2006	2/15/2007	5/23/2007	12/26/2007	4/16/2008	2/08/2001	8/13/2004	7/28/2006	10/31/2006	2/13/2007	5/23/2007	12/26/2007	4/17/2008	2/08/2001	8/13/2004	7/28/2006	10/31/2006	2/16/2007	5/23/2007	4/16/2008	8/13/2004	7/27/2006	10/30/2006	2/15/2007	2/15/2007	5/23/2007	4/16/2008	8/12/2004
Cobalt	NE	NE	NE	NA	NA	NA	**5.6**	3.9 U	NA	NA	NA	NA	NA	NA	**7.1**	1.3 U	NA	NA	NA	NA	NA	NA	23 U	NA	NA	NA	NA	NA	NA	6.2 U	NA
Copper	NE	NE	48	< 5	< 5.0	**8.6**	**64**	**16 J**	< 10	< 5 U	< 5.0	< 5	< 5	< 5	**110**	**31 J**	< 10	< 5 U	**5.9**	< 5	< 5.0	< 5	**42 J**	< 5 U	< 5.0	< 5	< 5.0	< 5.0	**8.8**	**3.3 J**	**7 L**
Fluoride	NE	NE	NE	NA	NA	NA	NA	NA	< 200	NA	NA	NA	NA	NA	NA	NA	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NE	NE	NE	NA	NA	NA	**8800**	3500 U	NA	NA	NA	NA	NA	NA	**13400**	3200 U	NA	NA	NA	NA	NA	NA	34300 U	NA	NA	NA	NA	NA	NA	170 U	NA
Lead	NE	NE	13	<7.5	<7.5	<7.5	**26**	4.9 U	< 5	< 5.0 U	< 7.5	<7.5	< 15	< 7.5	**65**	14 U	< 5	< 5.0 U	< 7.5	<7.5	**1.02**	< 7.5	11 U	< 5.0 U	< 7.5	<7.5	< 7.5	< 7.5	< 7.5	5 U	< 5.0 U
Magnesium	NE	NE	NE	NA	NA	NA	**9500**	**11200 J**	NA	NA	NA	NA	NA	NA	**5400**	**7600**	NA	NA	NA	NA	NA	NA	**10300**	NA	NA	NA	NA	NA	NA	10900 U	NA
Manganese	NE	NE	NE	NA	NA	NA	**2000**	**1800**	NA	NA	NA	NA	NA	NA	**2700**	**260**	NA	NA	NA	NA	NA	NA	**860**	NA	NA	NA	NA	NA	NA	**1100**	NA
Mercury	NE	NE	NE	<0.2	<0.25	<0.2	NA	NA	< 0.2	< 2 U	<0.20	<0.2	< 0.2	<0.2	NA	NA	< 0.2	< 2 U	<0.20	<0.2	< 0.20	< 0.2	NA	< 2 U	<0.20	<0.2	< 0.20	< 0.20	< 0.2	NA	< 2 U
Nickel	NE	NE	880	< 5	**17.4**	**11**	**18**	9.3 U	< 20	< 10 U	**14.2**	< 5	< 5	**5.6**	**61**	31 U	< 20	< 10 U	< 5.0	< 5	< 5.0	< 5	27 U	< 10 U	**5.8**	< 5	**5.4**	**5.6**	**8.7**	4.2 U	**382**
Potassium	NE	NE	NE	NA	NA	NA	**9300**	12400 U	NA	NA	NA	NA	NA	NA	**3800**	4300 U	NA	NA	NA	NA	NA	NA	12200 U	NA	NA	NA	NA	NA	NA	13000 U	NA
Selenium	NE	NE	50	<15	<15.0	<12.5	15 U	15 UJ	< 5	< 5 U	<15.0	<15	<15	<15	15 U	15 UJ	< 5	< 5 U	<15.0	<15	<15.0	< 15	15 UJ	< 5 U	<15.0	<15	<15.0	<15.0	< 15	15 UJ	< 5 U
Silver	NE	NE	12	< 5	<5.0	< 5	2.5 U	2.5 U	< 10	< 5 U	< 5.0	< 5	< 5	< 5	**1.2 J**	2.5 U	< 10	< 5 U	< 5.0	< 5	< 5.0	< 12.5	2.5 U	< 5 U	< 5.0	< 5	< 5.0	< 5.0	< 12.5	2.5 U	< 5 U
Sodium	NE	NE	NE	NA	NA	NA	**30100**	33200 U	NA	NA	NA	NA	NA	NA	**8400**	14400 U	NA	NA	NA	NA	NA	NA	71000 U	NA	NA	NA	NA	NA	NA	113000 U	NA
Vanadium	NE	NE	NE	NA	NA	NA	**14**	5.4 U	NA	NA	NA	NA	NA	NA	**17**	4.4 U	NA	NA	NA	NA	NA	NA	44 U	NA	NA	NA	NA	NA	NA	2.5 U	NA
Zinc	NE	NE	123	< 38	< 35.0	< 42.5	**97**	27 U	**160**	**12**	< 50.8	< 38	< 30	**56.4**	**140**	51 U	**160**	**14 L**	< 50.8	< 38	< 55.5	< 42.5	85 U	**14 L**	**91.6**	< 38	< 35.0	< 35.0	< 42.5	25 U	< 10 U
Filtered Metals (ug/l)																															
Barium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**184**	NA	NA
Cadmium	NE	NE	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.5	NA	NA
Chromium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NA	NA
Copper	NE	NE	48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NA	NA
Lead	NE	NE	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.5	NA	NA
Mercury	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.2	NA	NA
Nickel	NE	NE	880	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NA	NA
Silver	NE	NE	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NA	NA
Zinc	NE	NE	123	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5**	NA	NA
Total Cyanide (ug/l)																															
Cyanide, Total	NE	NE	52	NA	NA	NA	**4.6 J**	**3.3**	NA	< 5 U	NA	NA	NA	NA	**8.2 J**	**10**	NA	< 5 U	NA	NA	NA	NA	**10**	< 5 U	NA	NA	NA	NA	NA	**2.2 J**	< 5 U
Cyanide, water	NE	NE	NE	NA	NA	NA	NA	NA	> 10	NA	NA	NA	NA	NA	NA	NA	> 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide-Amenable, Water	NE	NE	NE	NA	NA	NA	NA	NA	> 10	NA	NA	NA	NA	NA	NA	NA	> 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 8
Summary of Historic Groundwater Analytical Results
MacDermid Incorporated.
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Location:				MW-115	MW-115	MW-115	MW-115	MW-115	MW-115	MW-116D	MW-116D	MW-116D	MW-116D	MW-116D	MW-116D	MW-116S	MW-116S	Duplicate of: MW-116S	MW-116S	MW-116S	MW-116S	Duplicate of: MW-116S	MW-116S	MW-117D	MW-117D	MW-117D	MW-117D	MW-117D	MW-117D	MW-117S
Historical Location I.D.:																														
Sample Date:	RES GVC	I/C GVC	SWPC	7/27/2006	10/30/2006	2/16/2007	5/23/2007	12/26/2007	4/16/2008	8/12/2004	7/28/2006	10/31/2006	2/13/2007	5/24/2007	4/17/2008	8/12/2004	7/28/2006	7/28/2006	10/31/2006	2/13/2007	5/24/2007	5/24/2007	4/17/2008	8/16/2004	7/28/2006	10/31/2006	2/13/2007	5/24/2007	4/17/2008	8/16/2004
VOCs (ug/l)																														
Acetone	50000	50000	NE	<20.0	< 25	<10.0	<10	**7.6 J**	5 U	< 10 U	< 20.0	< 10	< 10.0	< 10	5 U	< 10 U	< 20.0	< 20.0	**30.6**	< 10.0	< 10	< 10	5 U	< 10 U	< 20.0	< 10	< 10.0	< 10	5 U	< 10 U
Acrylonitrile	NE	NE	20	<0.5	<2.5	<0.5	<1	NA	NA	< 0.5 U	< 0.5	< 1	< 0.5	< 0.5	NA	< 0.5 U	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5	NA	< 0.5 U	< 0.5	< 1	< 0.5	< 0.5	NA	< 0.5 U
Benzene	130	310	710	<1.0	<2.5	<1.0	<1	2 U	0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	0.5 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	0.5 U	< 0.5 U
Bromobenzene	NE	NE	NE	<1.0	<2.5	<1.0	<1	2 U	2 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	2 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U	< 0.5 U
Bromomethane	NE	NE	NE	<2.0	<2	<2.0	<2	12 U	3 U	< 0.5 U	< 2.0	< 2	< 2.0	< 2	3 U	**1.7**	< 2.0	< 2.0	< 2	< 2.0	< 2	< 2	3 U	< 0.5 U	< 2.0	< 2	< 2.0	< 2	3 U	< 0.5 U
Butanone, 2-	50000	50000	NE	<1.0	<2.5	<1.0	<1	8 U	2 U	< 2.0 U	< 1.00	< 10	< 1.00	< 10	2 U	< 2.0 U	< 1.00	< 1.00	< 10	< 1.00	< 10	< 10	2 U	< 2.0 U	< 1.00	< 10	< 1.00	< 10	2 U	< 2.0 U
Butyl alcohol, tert-	NE	NE	NE	<10.0	<25	<10.0	<10	NA	NA	NA	< 1.00	< 10	< 1.00	< 10	NA	NA	< 1.00	< 1.00	< 10	< 1.00	< 10	< 10	NA	NA	< 1.00	< 10	< 1.00	< 10	NA	NA
Butylbenzene, tert-	NE	NE	NE	<1.0	<2.5	<1.0	<1	4 U	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA
Butylbenzene,sec-	1500	20000	NE	<1.0	<2.5	<1.0	<1	1 U	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA
Carbon disulfide	NE	NE	NE	<5.0	<5	<5.0	<5	4 U	1 U	< 0.5 U	< 5.0	< 5	< 5.0	< 5	1 U	< 0.5 U	< 5.0	< 5.0	< 5	< 5.0	< 5	< 5	1 U	< 0.5 U	< 5.0	< 5	< 5.0	< 5	1 U	< 0.5 U
Carbon tetrachloride	5.3	14	132	<1.0	<2.5	<1.0	<1	**0.16 J**	1 U	< 0.5 U	NA	NA	NA	NA	1 U	< 0.5 U	NA	NA	NA	NA	NA	NA	1 U	< 0.5 U	NA	NA	NA	NA	1 U	< 0.5 U
Chlorobenzene	1800	23000	420000	<1.0	<2.5	<1.0	<1	**1.3**	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Chloroethane	12000	29000	NE	<2.0	<2	<2.0	<2	12 U	3 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	3 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	3 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	3 U	< 0.5 U
Chloroform	26	62	14100	**5.2**	**14.4**	**8.5**	**6.6**	**29**	6.8 U	< 0.5 U	**1.6**	**1.9**	**1.9**	**1.6**	1.3 U	< 0.5 U	<1.0	<1.0	<1	<1.0	<1	<1	1 U	**2.3**	<1.0	**1.2**	**1**	<1	0.49 U	**0.6 L**
Chloromethane	390	5500	NE	<2.0	<2	<2.0	<2	4 U	**1**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1**	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**	< 0.5 U
Chlorotoluene,2-	NE	NE	NE	<1.0	<2.5	<1.0	<1	4 U	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Dibromo-3-chloropropane,1,2-	NE	NE	NE	<2.0	<2	<2.0	<2	4 U	1 U	NA	< 2	< 2	< 2	< 2	1 U	NA	< 2	< 2	< 2	< 2	< 2	< 2	1 U	NA	< 2	< 2	< 2	< 2	1 U	NA
Dibromoethane,1,2-	0.3	11	NE	<0.5	<2.5	<0.5	<1	1 U	1 U	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA
Dichlorobenzene,1,2-	5100	50000	170000	<1.0	**2.5**	<1.0	<1	**4.7**	0.47 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Dichlorobenzene,1,3-	4300	50000	26000	<1.0	<2.5	<1.0	<1	1 U	**1 J**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Dichlorobenzene,1,4-	1400	3400	26000	<2.0	<2	<2.0	<2	**1.3**	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Dichlorodifluoromethane	93	1200	NE	<2.0	<2	**2.0**	**2.1**	4 U	0.6 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Dichloroethane,1,1-	3000	41000	NE	<1.0	<2.5	<1.0	<1	**1.6 J**	**0.44**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	0.13 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Dichloroethane,1,2-	6.5	68	2970	**1.7**	**8.1**	**3.5**	**2.3**	**19**	**2.4 J**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Dichloroethene, cis-1,2-	830	11000	NE	<1.0	<2.5	<1.0	<1	**1.8**	**0.35**	< 0.5 U	**6.9**	**7.7**	**7.3**	**5.1**	2.7 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Dichloroethene, trans-1,2-	NE	13000	NE	<1.0	<2.5	<1.0	<1	NA	NA	< 0.5 U	< 1.0	< 1	< 1.0	< 1	NA	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	NA	< 0.5 U	< 1.0	< 1	< 1.0	< 1	NA	< 0.5 U
Dichloroethene,1,1-	190	920	96	**10.9**	**41.1**	**16.8**	**12.6**	**72**	**15 J**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1**	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Dioxane, p-	NE	NE	NE	<20.0	< 50	**34.6**	<20	NA	NA	NA	< 20.0	< 20	< 20.0	< 20	NA	NA	< 20.0	< 20.0	< 20	< 20.0	< 20	< 20	NA	NA	< 20.0	< 20	< 20.0	< 20	NA	NA
Hexachlorobutadiene	NE	NE	NE	<0.5	<1	<1.0	<1	4 U	1 U	NA	< 0.5	< 1	< 1.0	< 1	1 U	NA	< 0.5	< 0.5	< 1	< 1.0	< 1	< 1	1 U	NA	< 0.5	< 1	< 1.0	< 1	1 U	NA
Isopropyl benzene	2800	6800	NE	<1.0	<2.5	<1.0	<1	4 U	1 U	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA
Isopropyltoluene,4-	1600	22000	NE	<1.0	<2.5	<1.0	<1	4 U	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA
Methyl tert-butyl ether (MTBE)	21000	50000	NE	<10.0	<25	<10.0	<10	1 U	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Methyl-2-pentanone,4-	13000	50000	NE	<5.0	<25	<5.0	<10	2 U	2 U	< 2.0 U	< 1.0	< 10	< 1.0	< 10	2 U	< 2.0 U	< 1.0	< 1.0	< 10	< 1.0	< 10	< 10	2 U	< 2.0 U	< 1.0	< 10	< 1.0	< 10	2 U	< 2.0 U
Methylene chloride	160	2200	48000	<1.0	<2.5	<1.0	<1	**25**	5 U	< 0.5 U	< 5.0	< 10	< 5.0	< 5	5 U	< 0.5 U	< 5.0	< 5.0	< 10	< 5.0	< 5	< 5	5 U	**0.8 L**	< 5.0	< 10	< 5.0	< 5	5 U	< 0.5 U
Naphthalene	NE	NE	NE	<1.0	<2.5	<1.0	<1	4 U	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA
Propylbenzene, n-	NE	NE	NE	<1.0	<2.5	<1.0	<1	1 U	**1 J**	NA	< 1.0	< 1	< 1.0	< 1	**1 J**	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	**1 J**	NA	< 1.0	< 1	< 1.0	< 1	**1 J**	NA
Styrene	3100	42000	NE	<1.0	<2.5	<1.0	<1	1 U	**1 J**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	**1 J**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**	< 0.5 U
Tetrachloroethene	340	810	88	**51.5**	**154**	**89.6**	**71.5**	**370 E**	80 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	0.1 U	**1.6**	**2.0**	**1.8**	**1.7**	**2.5**	**2.3**	**2.4**	2.3 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Tetrahydrofuran	370	NE	NE	<10.0	<25	<10.0	<10	3 U	**3 J**	NA	< 1.0	< 10	< 1.0	< 10	**3 J**	NA	< 1.0	< 1.0	< 10	< 1.0	< 10	< 10	**3**	NA	< 1.0	< 10	< 1.0	< 10	3 U	NA
Toluene	7100	41000	4000000	<1.0	<2.5	<1.0	<1	**0.18 J**	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Trans-1,2-dichloroethene	1000	13000	NE	NA	NA	NA	NA	2 U	2 U	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA	NA	2 U	NA
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	**2.5**	**10.2**	**6.1**	<1	**16**	3.6 U	NA	< 1.0	< 1	< 1.0	< 1	2 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	2 U	NA	< 1.0	< 1	< 1.0	< 1	2 U	NA
Trichlorobenzene, 1,2,3-	NE	NE	NE	<1.0	<2.5	<1.0	<1	4 U	**1**	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA
Trichlorobenzene, 1,2,4-	NE	NE	NE	<1.0	<2.5	<1.0	<1	1 U	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA
Trichloroethane, 1,1,1-	6500	16000	62000	**4.1**	**34.4**	**6.3**	**5.6**	**17**	5.6 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Trichloroethane, 1,1,2-	220	2900	1260	<1.0	<2.5	<1.0	<1	4 U	**1**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Trichloroethene	27	67	2340	**4.1**	**16.6**	**6.9**	**5.7**	**27**	5.9 U	< 0.5 U	**1.2**	**1.2**	**1.2**	< 1	0.47 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	0.34 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Trichlorofluoromethane	1300	4200	NE	<1.0	<2.5	<1.0	<1	4 U	**0.13**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	**1 J**	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U
Trichloropropane, 1,2,3-	NE	NE	NE	<1.0	<2.5	<1.0	<1	8 U	2 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U	< 0.5 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	2 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U	< 0.5 U
Trihalomethanes, Total (Calc)	NE	NE	NE	**5.2**	**14.4**	**8.5**	**6.6**	NA	NA	NA	**1.6**	**1.9**	**1.9**	**1.6**	NA	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	NA	NA	< 1.0	**1.2**	**1.0**	< 1	NA	NA
Trimethylbenzene, 1,2,4-	360	4800	NE	<1.0	<2.5	<1.0	<1	4 U	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA
Vinyl chloride	1.6	52	15750	<1.0	<2.5	<1.0	<1	4 U	1 U	< 0.5 U	**7.2**	**8.3**	**7.3**	**4.8**	**2.1 J**	< 0.5 U	<1.0	<1.0	<2.5	<1.0	<1	<1	**1 J**	**0.6 L**	<1.0	<2.5	<1.0	<1	**1 J**	< 0.5 U
Xylene, m,p-	NE	NE	NE	<2.0	<2	<2.0	<2	**0.18 J**	1 U	NA	< 2.0	< 2	< 2.0	< 2	**1**	NA	< 2.0	< 2.0	< 2	< 2.0	< 2	< 2	1 U	NA	< 2.0	< 2	< 2.0	< 2	1 U	NA
Xylene, o-	NE	NE	NE	<1.0	<2.5	<1.0	<1	**0.92 J**	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	1 U	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA
Xylenes, Total	8700	48000	NE	<1.0	<2.5	<1.0	<1	**1.1 J**	NA	< 1.0 U	< 1.0	< 1	< 1.0	< 1	**1**	< 1.0 U	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	NA	< 1.0 U	< 1.0	< 1	< 1.0	< 1	NA	< 1.0 U
SVOCs (ug/l)																														
Acenaphthene	NE	NE	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	**10 J**	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	10 U	NA
Benz[a]anthracene	NE	NE	0.3	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	**0.1**	NA
Bis(2-chloroethoxy)methane	NE	NE	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	10 U	NA
Carbazole	NE	NE	NE	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	**10**	NA
Chrysene	NE	NE	NE	NA	NA	NA	NA	NA	**0.1**	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	**0.1**	NA	NA	NA	NA	NA	0.1 U	NA
Dibenz[a,h]anthracene	NE	NE	NE	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	**0.1 J**	NA
Dichlorophenol,2,4-	NE	NE	15800	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	10 U	NA
Isophorone	NE	NE	NE	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	**10**	NA
Nitroaniline,2-	NE	NE	NE	NA	NA	NA	NA	NA	**50**	NA	NA	NA	NA	NA	**50 J**	NA	NA	NA	NA	NA	NA	NA	**50 J**	NA	NA	NA	NA	NA	**50 J**	NA
Trichlorophenol, 2,4,5-	NE	NE	NE	NA	NA	NA	NA	NA	**50 J**	NA	NA	NA	NA	NA	50 U	NA	NA	NA	NA	NA	NA	NA	50 U	NA	NA	NA	NA	NA	50 U	NA
Total Metals (ug/l)																														
Aluminum	NE	NE	NE	NA	NA	NA	NA	**2800**	110 U	NA	NA	NA	NA	NA	330 U	NA	NA	NA	NA	NA	NA	NA	570 U	NA	NA	NA	NA	NA	240 U	NA
Antimony	NE	NE	86000	NA	NA	NA	NA	25 U	10 U	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	10 U	NA
Arsenic	NE	NE	4	<4.0	< 4	< 4	< 4	**3.3 J**	10 U	< 4 U	< 4.0	< 4	< 4.0	< 4	10 U	< 4 U	< 4.0	< 4.0	< 4	< 4.0	< 4	< 4	10 U	< 4 U	< 4.0	< 4	< 4	< 4	10 U	< 4 U
Barium	NE	NE	NE	**68.2**	**75.1**	**105**	**88**	**98**	70 U	< 10 U	**60.7**	**78.9**	**61.6**	**60.4**	60 U	**31 L**	**31**	**28.2**	**33.1**	**30.5**	**33.8**	**33.6**	49 U	**85**	**122**	**123**	**122**	**108**	130 U	**60**
Beryllium	NE	NE	4	NA	NA	NA	NA	2.5 U	1.5 U	NA	NA	NA	NA	NA	1.5 U	NA	NA	NA	NA	NA	NA	NA	1.5 U	NA	NA	NA	NA	NA	1.5 U	NA
Cadmium	NE	NE	6	**4.2**	<2.5	**5.4**	**4**	**2.5 J**	3.9 U	< 2 U	< 2.5	< 2.5	< 2.5	< 2.5	2.5 U	< 2 U	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	2.5 U	**2 L**	< 2.5	< 2.5	< 2.5	< 2.5	2.5 U	< 2 U
Calcium	NE	NE	NE	NA	NA	NA	NA	**26600**	**23900**	NA	NA	NA	NA	NA	29700 U	NA	NA	NA	NA	NA	NA	NA	30500 U	NA	NA	NA	NA	NA	51700 U	NA
Chromium	NE	NE	NE	**622**	**298**	**774**	**610**	**280**	600 U	< 5 U	< 5.0	< 5	< 5	< 5	5 U	< 5 U	**5.2**	**5.2**	**5.2**	< 5.0	**6**	**6**	5.8 U	< 5 U	< 5.0	**5.2**	< 5	< 5	5 U	< 5 U

Table 8
Summary of Historic Groundwater Analytical Results
MacDermid Incorporated.
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Location:				MW-115	MW-115	MW-115	MW-115	MW-115	MW-115	MW-116D	MW-116D	MW-116D	MW-116D	MW-116D	MW-116D	MW-116S	MW-116S	Duplicate of: MW-116S	MW-116S	MW-116S	MW-116S	Duplicate of: MW-116S	MW-116S	MW-117D	MW-117D	MW-117D	MW-117D	MW-117D	MW-117D	MW-117S
Historical Location I.D.:																														
Sample Date:	RES GVC	I/C GVC	SWPC	7/27/2006	10/30/2006	2/16/2007	5/23/2007	12/26/2007	4/16/2008	8/12/2004	7/28/2006	10/31/2006	2/13/2007	5/24/2007	4/17/2008	8/12/2004	7/28/2006	7/28/2006	10/31/2006	2/13/2007	5/24/2007	5/24/2007	4/17/2008	8/16/2004	7/28/2006	10/31/2006	2/13/2007	5/24/2007	4/17/2008	8/16/2004
Cobalt	NE	NE	NE	NA	NA	NA	NA	**5.4**	2 U	NA	NA	NA	NA	NA	1.3 U	NA	NA	NA	NA	NA	NA	NA	5 U	NA	NA	NA	NA	NA	5 U	NA
Copper	NE	NE	48	< 5.0	< 5	< 5.0	< 5	**20**	**3.3 J**	< 5 U	< 5.0	< 5	< 5	< 5	**5.5 J**	< 5 U	< 5.0	< 5.0	< 5	< 5.0	**5.1**	**5**	2.9 U	< 5 U	< 5.0	< 5	< 5	**5.4**	4 U	< 5 U
Fluoride	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NE	NE	NE	NA	NA	NA	NA	**4700**	100 U	NA	NA	NA	NA	NA	650 U	NA	NA	NA	NA	NA	NA	NA	950 U	NA	NA	NA	NA	NA	430 U	NA
Lead	NE	NE	13	< 7.5	<7.5	< 7.5	< 7.5	**4.2 J**	5 U	< 5.0 U	< 7.50	< 7.5	< 15	< 7.5	5 U	< 5.0 U	< 7.50	< 7.50	< 7.5	< 7.5	< 7.5	< 7.5	5 U	< 5.0 U	< 7.50	< 7.5	< 15	< 7.5	5 U	< 5.0 U
Magnesium	NE	NE	NE	NA	NA	NA	NA	**4800**	3300 U	NA	NA	NA	NA	NA	7000 U	NA	NA	NA	NA	NA	NA	NA	6900 U	NA	NA	NA	NA	NA	10100 U	NA
Manganese	NE	NE	NE	NA	NA	NA	NA	**380**	**960**	NA	NA	NA	NA	NA	**2300**	NA	NA	NA	NA	NA	NA	NA	**20**	NA	NA	NA	NA	NA	**190**	NA
Mercury	NE	NE	NE	<0.20	<0.2	< 0.20	< 0.2	NA	NA	< 2 U	< 0.20	< 0.5	< 0.2	< 0.5	NA	< 2 U	< 0.20	< 0.20	< 0.5	< 0.20	< 0.5	< 0.5	NA	< 2 U	< 0.20	< 0.5	< 0.2	< 0.5	NA	< 2 U
Nickel	NE	NE	880	**660**	**802**	**1250**	**774**	**580**	760 U	< 10 U	< 5.0	< 5	< 5	< 5	2.9 U	< 10 U	< 5.0	< 5.0	< 5	< 5.0	< 5	< 5	6.1 U	**22 L**	< 5.0	< 5	< 5	< 5	1.2 U	< 10 U
Potassium	NE	NE	NE	NA	NA	NA	NA	**14800**	7800 U	NA	NA	NA	NA	NA	2300 U	NA	NA	NA	NA	NA	NA	NA	3200 U	NA	NA	NA	NA	NA	4000 U	NA
Selenium	NE	NE	50	<15.0	<15	<15.0	< 15	15 U	15 UJ	< 5 U	< 15.0	< 15	< 15	< 15	15 UJ	< 5 U	< 15.0	< 15.0	< 15	< 15.0	< 15	< 15	15 UJ	< 5 U	< 15.0	< 15	< 15	< 15	15 UJ	< 5 U
Silver	NE	NE	12	< 5.0	< 5	< 5.0	< 12.5	2.5 U	2.5 U	< 5 U	< 5.0	< 5	< 5	< 5	2.5 U	< 5 U	< 5.0	< 5.0	< 5	< 5.0	< 5	< 5	2.5 U	< 5 U	< 5.0	< 5	< 5	< 5	2.5 U	< 5 U
Sodium	NE	NE	NE	NA	NA	NA	NA	**108000**	72800 U	NA	NA	NA	NA	NA	34700 U	NA	NA	NA	NA	NA	NA	NA	15800 U	NA	NA	NA	NA	NA	54900 U	NA
Vanadium	NE	NE	NE	NA	NA	NA	NA	**5.9**	2.5 U	NA	NA	NA	NA	NA	0.73 U	NA	NA	NA	NA	NA	NA	NA	1.8 U	NA	NA	NA	NA	NA	0.59 U	NA
Zinc	NE	NE	123	**72.6**	< 38	< 55.5	< 42.5	**17 J**	7.1 U	**26**	< 50.8	< 38	< 30	**6.8**	15 U	**12**	< 50.8	< 50.8	< 38	< 35.0	< 5	**31.6**	6.9 U	**11 L**	< 50.8	< 38	< 30	**7**	25 U	**10 L**
Filtered Metals (ug/l)																														
Barium	NE	NE	NE	NA	NA	**112**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NE	NE	6	NA	NA	**5.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NE	NE	NE	NA	NA	**792**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NE	NE	48	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NE	NE	13	NA	NA	<7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NE	NE	NE	NA	NA	<0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NE	NE	880	NA	NA	**1.21**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NE	NE	12	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NE	NE	123	NA	NA	**17.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Cyanide (ug/l)																														
Cyanide, Total	NE	NE	52	NA	NA	NA	NA	**3.5 J**	**3.9 J**	< 5 U	NA	NA	NA	NA	**2.9 J**	< 5 U	NA	NA	NA	NA	NA	NA	**10 J**	< 5 U	NA	NA	NA	NA	**1.4 J**	< 5 U
Cyanide, water	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide-Amenable, Water	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 8
Summary of Historic Groundwater Analytical Results
MacDermid Incorporated.
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Location: Historical Location I.D.: Sample Date:	RES GVC	I/C GVC	SWPC	MW-117S 7/28/2006	MW-117S 10/31/2006	MW-117S 2/13/2007	MW-117S 5/24/2007	MW-117S 4/16/2008	MW-118D 8/13/2004	Duplicate of: MW-118D 8/13/2004	MW-118D 7/28/2006	MW-118D 10/31/2006	MW-118D 2/16/2007	MW-118D 5/24/2007	MW-118D 4/17/2008	MW-118S 8/16/2004	Duplicate of: MW-118S 8/16/2004	MW-118S 7/28/2006	MW-118S 10/31/2006	MW-118S 2/16/2007	MW-118S 5/24/2007	MW-118S 4/17/2008
VOCs (µg/l)																						
Acetone	50000	50000	NE	< 20.0	< 10	< 10.0	< 10	5 U	< 10 U	< 10 U	< 20.0	< 10	< 10.0	< 10	5 U	< 10 U	< 10 U	< 20.0	< 10	< 10.0	< 10	5 U
Acrylonitrile	NE	NE	20	< 0.5	< 1	< 0.5	< 0.5	NA	< 0.5 U	< 0.5 U	< 0.5	< 1	< 0.5	< 0.5	NA	< 0.5 U	< 0.5 U	< 0.5	< 1	< 0.5	< 0.5	NA
Benzene	130	310	710	< 1.0	< 1	< 1.0	< 1	0.5 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	0.5 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	0.5 U
Bromobenzene	NE	NE	NE	< 1.0	< 1	< 1.0	< 1	2 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U
Bromomethane	NE	NE	NE	< 2.0	< 2	< 2.0	< 2	3 U	< 0.5 U	< 0.5 U	< 2.0	< 2	< 2.0	< 2	3 U	< 0.5 U	**1.9**	< 2.0	< 2	< 2.0	< 2	3 U
Butanone, 2-	50000	50000	NE	< 1.00	< 10	< 1.00	< 10	2 U	< 2.0 U	< 2.0 U	< 1.00	< 10	< 1.00	< 10	2 U	< 2.0 U	< 2.0 U	< 1.00	< 10	< 1.00	< 10	2 U
Butyl alcohol, tert-	NE	NE	NE	< 1.00	< 10	< 1.00	< 10	NA	NA	NA	< 1.00	< 10	< 1.00	< 10	NA	NA	NA	< 1.00	< 10	< 1.00	< 10	NA
Butylbenzene, tert-	NE	NE	NE	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U
Butylbenzene,sec-	1500	20000	NE	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U
Carbon disulfide	NE	NE	NE	< 5.0	< 5	< 5.0	< 5	1 U	< 0.5 U	< 0.5 U	< 5.0	< 5	< 5.0	< 5	1 U	< 0.5 U	< 0.5 U	< 5.0	< 5	< 5.0	< 5	1 U
Carbon tetrachloride	5.3	14	132	NA	NA	NA	NA	1 U	< 0.5 U	< 0.5 U	NA	NA	NA	NA	1 U	**0.7 L**	**0.5 L**	NA	NA	NA	NA	1 U
Chlorobenzene	1800	23000	420000	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Chloroethane	12000	29000	NE	< 1.0	< 1	< 1.0	< 1	3 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	3 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	3 U
Chloroform	26	62	14100	<1.0	< 1	< 1.0	< 1	1 U	**2.0**	**2.0**	< 1.0	< 1	< 1.0	< 1	2.2 U	**0.8 L**	**0.8 L**	< 1.0	< 1	< 1.0	< 1	0.27 U
Chloromethane	390	5500	NE	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1**	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**
Chlorotoluene,2-	NE	NE	NE	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dibromo-3-chloropropane,1,2-	NE	NE	NE	< 2	< 2	< 2	< 2	1 U	NA	NA	< 2	< 2	< 2	< 2	1 U	NA	NA	< 2	< 2	< 2	< 2	1 U
Dibromoethane,1,2-	0.3	11	NE	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U
Dichlorobenzene,1,2-	5100	50000	170000	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichlorobenzene,1,3-	4300	50000	26000	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichlorobenzene,1,4-	1400	3400	26000	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichlorodifluoromethane	93	1200	NE	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichloroethane,1,1-	3000	41000	NE	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichloroethane,1,2-	6.5	68	2970	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Dichloroethene, cis-1,2-	830	11000	NE	< 1.0	< 1	< 1.0	**2.8**	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	**2.8**	0.43 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	0.21 U
Dichloroethene, trans-1,2-	NE	13000	NE	< 1.0	< 1	< 1.0	< 1	NA	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	NA	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	NA
Dichloroethene,1,1-	190	920	96	< 1.0	< 1	< 1.0	< 1	1 U	**1.9**	**1.8**	< 1.0	< 1	< 1.0	< 1	**1 J**	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**
Dioxane, p-	NE	NE	NE	< 20.0	< 20	< 20.0	< 20	NA	NA	NA	< 20.0	< 20	< 20.0	< 20	NA	NA	NA	< 20.0	< 20	< 20.0	< 20	NA
Hexachlorobutadiene	NE	NE	NE	< 0.5	< 1	< 1.0	< 1	1 U	NA	NA	< 0.5	< 1	< 1.0	< 1	1 U	NA	NA	< 0.5	< 1	< 1.0	< 1	1 U
Isopropyl benzene	2800	6800	NE	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U	NA	NA	< 0.5	< 0.5	< 0.5	< 0.5	1 U
Isopropyltoluene,4-	1600	22000	NE	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U
Methyl tert-butyl ether (MTBE)	21000	50000	NE	< 1.0	< 1	< 1.0	< 1	1 U	**6.2**	**5.6**	< 1.0	< 1	< 1.0	< 1	1 U	**2.8**	**2.9**	< 1.0	< 1	< 1.0	< 1	1 U
Methyl-2-pentanone,4-	13000	50000	NE	< 1.0	< 10	< 1.0	< 10	2 U	< 2.0 U	< 2.0 U	< 1.0	< 10	< 1.0	< 10	2 U	< 2.0 U	< 2.0 U	< 1.0	< 10	< 1.0	< 10	2 U
Methylene chloride	160	2200	48000	< 5.0	< 10	< 5.0	< 5	5 U	**0.6 L**	< 0.5 U	< 5.0	< 10	< 5.0	< 5	5 U	**0.9 L**	**0.8 L**	< 5.0	< 10	< 5.0	< 5	5 U
Naphthalene	NE	NE	NE	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U
Propylbenzene, n-	NE	NE	NE	< 1.0	< 1	< 1.0	< 1	**1 J**	NA	NA	< 1.0	< 1	< 1.0	< 1	**1 J**	NA	NA	< 1.0	< 1	< 1.0	< 1	**1 J**
Styrene	3100	42000	NE	< 1.0	< 1	< 1.0	< 1	**1 J**	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**
Tetrachloroethene	340	810	88	< 1.0	**2.3**	< 1.0	< 1	0.29 U	< 0.5 U	< 0.5 U	**6.8**	< 1	< 1.0	< 1	1 U	**14**	**15**	**6.8**	**7.2**	**10.4**	**8.5**	8.4 U
Tetrahydrofuran	370	NE	NE	< 1.0	< 10	< 1.0	< 10	**3 J**	NA	NA	< 1.0	< 10	< 1.0	< 10	3 U	NA	NA	< 1.0	< 10	< 1.0	< 10	**3**
Toluene	7100	41000	4000000	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Trans-1,2-dichloroethene	1000	13000	NE	NA	NA	NA	NA	2 U	NA	NA	NA	NA	NA	NA	2 U	NA	NA	NA	NA	NA	NA	2 U
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NE	NE	NE	< 1.0	< 1	< 1.0	< 1	2 U	NA	NA	< 1.0	< 1	< 1.0	< 1	2 U	NA	NA	< 1.0	< 1	< 1.0	< 1	2 U
Trichlorobenzene, 1,2,3-	NE	NE	NE	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U
Trichlorobenzene, 1,2,4-	NE	NE	NE	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U
Trichloroethane, 1,1,1-	6500	16000	62000	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Trichloroethane, 1,1,2-	220	2900	1260	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	1 U
Trichloroethene	27	67	2340	< 1.0	< 1	< 1.0	< 1	1 U	**0.6 L**	**0.6 L**	**2.3**	< 1	< 1.0	< 1	0.21 U	**2.8**	**3.0**	**2.3**	**2**	**3.4**	**2.5**	2.8 U
Trichlorofluoromethane	1300	4200	NE	< 1.0	< 1	< 1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1**
Trichloropropane, 1,2,3-	NE	NE	NE	< 1.0	< 1	< 1.0	< 1	2 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	2 U
Trihalomethanes, Total (Calc)	NE	NE	NE	< 1.0	< 1	< 1.0	< 1	NA	NA	NA	< 1.0	< 1	< 1.0	< 1	NA	NA	NA	< 1.0	< 1	< 1.0	< 1	NA
Trimethylbenzene, 1,2,4-	360	4800	NE	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U
Vinyl chloride	1.6	52	15750	<1.0	<2.5	<1.0	< 1	1 U	< 0.5 U	< 0.5 U	< 1.0	< 1	< 1.0	< 1	**1 J**	**0.5 L**		< 1.0	< 1	< 1.0	< 1	**1 J**
Xylene, m,p-	NE	NE	NE	< 2.0	< 2	< 2.0	< 2	1 U	NA	NA	< 2.0	< 2	< 2.0	< 2	1 U	NA	NA	< 2.0	< 2	< 2.0	< 2	1 U
Xylene, o-	NE	NE	NE	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U	NA	NA	< 1.0	< 1	< 1.0	< 1	1 U
Xylenes, Total	8700	48000	NE	< 1.0	< 1	< 1.0	< 1	NA	< 1.0 U	< 1.0 U	< 1.0	< 1	< 1.0	< 1	NA	< 1.0 U	< 1.0 U	< 1.0	< 1	< 1.0	< 1	NA
SVOCs (ug/l)																						
Acenaphthene	NE	NE	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10**
Benz[a]anthracene	NE	NE	0.3	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	**0.1**
Bis(2-chloroethoxy)methane	NE	NE	NE	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U
Carbazole	NE	NE	NE	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10**
Chrysene	NE	NE	NE	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	**0.1**
Dibenz[a,h]anthracene	NE	NE	NE	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	**0.1 J**	NA	NA	NA	NA	NA	NA	**0.1 J**
Dichlorophenol,2,4-	NE	NE	15800	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U
Isophorone	NE	NE	NE	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	**10**
Nitroaniline,2-	NE	NE	NE	NA	NA	NA	NA	**50 J**	NA	NA	NA	NA	NA	NA	**50 J**	NA	NA	NA	NA	NA	NA	**50 J**
Trichlorophenol, 2,4,5-	NE	NE	NE	NA	NA	NA	NA	50 U	NA	NA	NA	NA	NA	NA	50 U	NA	NA	NA	NA	NA	NA	50 U
Total Metals (ug/l)																						
Aluminum	NE	NE	NE	NA	NA	NA	NA	56 U	NA	NA	NA	NA	NA	NA	110 U	NA	NA	NA	NA	NA	NA	5500 U
Antimony	NE	NE	86000	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA	10 U
Arsenic	NE	NE	4	< 4.0	< 4	< 4	< 4	10 U	< 4 U	< 4 U	< 4.0	< 4	< 4.0	< 4	10 U	< 4 U	< 4 U	< 4.0	< 4	< 4.0	< 4	10 U
Barium	NE	NE	NE	**42.4**	**33.6**	**40.7**	**50.3**	40 U	**51**	**52**	**28.3**	**23.9**	**25.0**	**35**	29 U	**37 L**	**36 L**	**457**	**190**	**179**	**215**	710 U
Beryllium	NE	NE	4	NA	NA	NA	NA	1.5 U	NA	NA	NA	NA	NA	NA	1.5 U	NA	NA	NA	NA	NA	NA	1.5 U
Cadmium	NE	NE	6	< 2.5	< 2.5	< 2.5	< 2.5	2.5 U	< 2 U	< 2 U	< 2.5	< 2.5	< 2.5	< 2.5	2.5 U	< 2 U	< 2 U	< 2.5	< 2.5	< 2.5	< 2.5	0.98 U
Calcium	NE	NE	NE	NA	NA	NA	NA	15300 U	NA	NA	NA	NA	NA	NA	19400 U	NA	NA	NA	NA	NA	NA	**104000 J**
Chromium	NE	NE	NE	< 5.0	< 5	< 5	< 5	5 U	< 5 U	< 5 U	< 5.0	< 5	< 5.0	< 5	0.95 U	< 5 U	< 5 U	< 5.0	< 5	< 5.0	< 5	8.8 U

Table 8
Summary of Historic Groundwater Analytical Results
MacDermid Incorporated.
526 Huntingdon Avenue
Waterbury, Connecticut

Sample Location:				MW-117S	MW-117S	MW-117S	MW-117S	MW-117S	MW-118D	Duplicate of: MW-118D	MW-118D	MW-118D	MW-118D	MW-118D	MW-118D	MW-118S	Duplicate of: MW-118S	MW-118S	MW-118S	MW-118S	MW-118S	MW-118S
Historical Location I.D.:																						
Sample Date:	RES GVC	I/C GVC	SWPC	7/28/2006	10/31/2006	2/13/2007	5/24/2007	4/16/2008	8/13/2004	8/13/2004	7/28/2006	10/31/2006	2/16/2007	5/24/2007	4/17/2008	8/16/2004	8/16/2004	7/28/2006	10/31/2006	2/16/2007	5/24/2007	4/17/2008
Cobalt	NE	NE	NE	NA	NA	NA	NA	5 U	NA	NA	NA	NA	NA	NA	5 U	NA	NA	NA	NA	NA	NA	4.4 U
Copper	NE	NE	48	< 5.0	< 5	< 5	**5.8**	5 U	< 5 U	< 5 U	< 5.0	< 5	**6.0**	**8.2**	6.1 U	< 5 U	< 5 U	< 5.0	< 5	**6.0**	**6**	**15 J**
Fluoride	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NE	NE	NE	NA	NA	NA	NA	170 U	NA	NA	NA	NA	NA	NA	240 U	NA	NA	NA	NA	NA	NA	8500 U
Lead	NE	NE	13	< 7.50	< 7.5	< 15	< 7.5	5 U	< 5.0 U	< 5.0 U	< 7.5	< 7.5	< 7.50	< 7.5	5 U	< 5.0 U	< 5.0 U	< 7.50	< 7.5	< 7.50	< 7.5	8.5 U
Magnesium	NE	NE	NE	NA	NA	NA	NA	3000 U	NA	NA	NA	NA	NA	NA	2900 U	NA	NA	NA	NA	NA	NA	**14900**
Manganese	NE	NE	NE	NA	NA	NA	NA	**200**	NA	NA	NA	NA	NA	NA	**18**	NA	NA	NA	NA	NA	NA	**300**
Mercury	NE	NE	NE	< 0.20	< 0.5	< 0.2	< 0.5	NA	< 2 U	< 2 U	< 0.20	< 0.5	< 0.20	< 0.5	NA	< 2 U	< 2 U	< 0.20	< 0.5	< 0.20	< 0.5	NA
Nickel	NE	NE	880	< 5.0	< 5	< 5	< 5	1.4 U	< 10 U	< 10 U	< 5.0	< 5	< 5.0	< 5	1.1 U	< 10 U	< 10 U	< 5.0	< 5	< 5.0	< 5	7.5 U
Potassium	NE	NE	NE	NA	NA	NA	NA	2800 U	NA	NA	NA	NA	NA	NA	3900 U	NA	NA	NA	NA	NA	NA	17700 U
Selenium	NE	NE	50	< 15.0	< 15	< 15	< 15	15 U	< 5 U	< 5 U	< 15.0	< 15	< 15.0	< 15	15 UJ	< 5 U	< 5 U	< 15.0	< 15	< 15.0	< 15	15 UJ
Silver	NE	NE	12	< 5.0	< 5	< 5	< 5	2.5 U	< 5 U	< 5 U	< 5.0	< 5	< 5.0	< 5	2.5 U	< 5 U	< 5 U	< 5.0	< 5	< 5.0	< 5	4.8 U
Sodium	NE	NE	NE	NA	NA	NA	NA	5200 U	NA	NA	NA	NA	NA	NA	21700 U	NA	NA	NA	NA	NA	NA	**149000 J**
Vanadium	NE	NE	NE	NA	NA	NA	NA	2.5 U	NA	NA	NA	NA	NA	NA	0.77 U	NA	NA	NA	NA	NA	NA	13 U
Zinc	NE	NE	123	< 50.8	< 38	< 30	**11.6**	25 U	< 10 U	**21**	< 5.08	< 38	< 5.55	**10.4**	32 U	**37**	< 10 U	< 5.0	< 5	< 5.0	< 5	30 U
Filtered Metals (ug/l)																						
Barium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NE	NE	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NE	NE	48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NE	NE	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NE	NE	880	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NE	NE	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NE	NE	123	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Cyanide (ug/l)																						
Cyanide, Total	NE	NE	52	NA	NA	NA	NA	10 U	< 5 U	< 5 U	NA	NA	NA	NA	**2.3 J**	< 5 U	< 5 U	NA	NA	NA	NA	**2.6**
Cyanide, water	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide-Amenable, Water	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 8
Summary of Historic Groundwater Analytical Results
MacDermid Incorporated.
526 Huntingdon Avenue
Waterbury, Connecticut

Notes:

*sample from MW-104 was from a piezometer

* *Samples taken from MW-107 in April 2008 were mislabeled as MW-100

2001 Data from " RCRA Corrective Action Stabilization Report" (HRP, May 21, 2001). All non-detect values are based on Detection Limits

2004 Data from " Document of Environmental Indicator Determination (CA725) Current Human Exposures Under Control" (LEA, 2005)

7/2006 - 5/2007 Data from "Annual Groundwater Monitoring Report" (LEA, August 2007).

RES GVC - Residential Gas Vaporization Criteria according to Connecticut Remedial Standard Regulations (CT RSRs).
I/C GVC - Industrial/ Commercial Groundwater Volatilization Criteria according to CT RSRs.
SWPC - Surface Water Protection Criteria according to CT RSRs.

NE- not established

ND - not detected; total concentration is listed as ND because no compounds were detected in the group
NA - not analyzed

J - estimated value
U - indicates not detected to the reporting limit for organic analysis and the method detection limit for inorganic analysis
UJ - Not detected at or above the reporting limit shown and the reporting limit is estimated
E - Value above quantitation range
L - Spectral evidence confirms the presence of this compound at a concentration below the calibration limit but above the method detection limit

Bolding indicates a detected result value
Shading and bolding indicates that the detected result value exceeds the CT RSR objective it was compared to
ug/L - micrograms per liter or parts per billion (ppb)
VOCs - volatile organic compounds
SVOCs - semivolatile organic compounds
PCBs - Polychlorinated Biphenyls

Table 9
Summary of Data Quality Objectives and Results
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Areas of Concern	Description of AOC	Sampling Objectives	No documented release, data gaps addressed	Data suggests a release, remedial activity recommended	Other	Notes
AOC-A	Soil Disposal Area	Assess the nature and extent of soil piles in the vicinity of the asphalt cap.			X	Soil piles contain exceedances of lead and arsenic above residential and industrial/commercial direct exposure criteria.
	North Parcel	Assess the condition of the asphalt cap and cover materials.		X		Cap contains minor cracks likely due to differential settlement of underlying material. Cracks are not extensive. Asphalt layer is uniformly four inches with no aggregate material observed.
		Assess the type and volume of material stored under the cap.		X		Contaminated material appear to be contained within the cap with the exception of the southern limit of the cap. Constituents above state regulations include cyanide, ETPH, tetrachloroethylene, and cadmium.
		Evaluate the need for securing the area of AOC-A from potential trespassers.			X	Remedial activities to remove soil piles is recommended and will remove complete exposure pathway.
		Assess the effectiveness of the current groundwater monitoring system.			X	Spatial extent of AOC is well defined and therefore two wells, one up gradient, one downgradient is sufficient.
		Assess the presence of total petroleum hydrocarbons in the groundwater.		X		No petroleum was detected in either wells. We recommend continual monitoring of ETPH given the detections in soil.
AOC-B	4,000-Gallon No. 2 Fuel Underground Storage Tank	Review tank condition and operation records.			X	No additional tank operation records reviewed.
		Assess the condition of the soil surrounding the UST depending upon the outcome of the operating assessment.	X			No soil boring warranted based on operational records.
AOC-C	Dry Chemical Silos	Observe condition of the soil beneath the silos if platform indicates possible transmission through concrete.	X			No cracks or conduits observed on secondary containment structure.
		Site-wide groundwater monitoring will be assessed for anomalies in pH.	X			Analysis of pH during groundwater sampling was consistent throughout the site and slightly acidic due to natural conditions.
AOC-D	AOC-D1 Pilot Plant	Observe condition of the concrete with penetrations to the subsoil which would allow contamination by constituents of concern.	X			Floor is competent with only seams providing potential migration pathway. The subbasement below QA/QC labs is also competent. Soil samples below slab do not indicate a release.
	AOC-D2 Main Mixing Area	Establish if there has been any release through the concrete floor within this building if the concrete has been compromised.	X			The concrete is competent with no cracks greater than 0.5 inches in width. Soil sampling along concrete seams and cracks did not indicate any migration of release through the concrete.
		Extent of contamination to concrete by constituents of concern.	X			Extractable total petroleum hydrocarbons detected in chip samples. Extent of petroleum staining throughout interior floors. Soil samples SB-49 -55 collected immediately below the subslab indicate the concrete effectively prevented migration to soil.

Table 9
Summary of Data Quality Objectives and Results
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Areas of Concern	Description of AOC	Sampling Objectives	No documented release, data gaps addressed	Data suggests a release, remedial activity recommended	Other	Notes
AOC-E	AOC E1 - Former Waste Lagoons and LNAPL	Assess the degree and extent of the LNAPL at MW-108.		X		LNAPL was measured using a interface probe. A sheen (non-measureable quantity) was observed in MW-108. MW-26 contained 1.5 feet of LNAPL. MW-108 contains variable LNAPL thickness.
		Assess options for the interim remediation of the LNAPL.			X	Interim remediation recommended. Multiple strategies including physical removal and chemical oxidation should be considered.
		Assess if any residual waste or contaminated soils remain in the buried lagoons.		X		Location of the lagoons or residual contaminated soil was not confirmed. Petroleum-impacted soil was detected at and to the west of the former lagoon locations. The presence of ball bearings, petroleum and lead suggest the release occurred during former ball bearing operations. This area is the most likely source of LNAPL in MW-108 and MW-26.
		Assess the horizontal and vertical extent of the former lagoons.		X		
		Characterize any contaminated soil or waste remaining in the former lagoons.		X		
	AOC E-2 Wastewater Treatment System (WWTS)	Assess the status of closure of the RCRA regulated portion of this AOC and implement RCRA closure activities as needed.			X	Closure report and Certification, Hazardous Waste Storage Area E, Prepared by Charter Oak Environmental Services.
		Assess residual impacts to the concrete floor.	X			
		Assess the potential for this area to be a source of the surrounding groundwater impacts.	X			MW-109 contained elevated, concentrations of copper, nickel, and zinc. Results are consistent with nearby wells that all indicate elevated metals in the groundwater.
	AOC E-3 Spent Copper Etchant Storage Area	Assess the status of closure of the RCRA regulated portion of this AOC and implement RCRA closure activities as needed.		X		Closure report and Certification, Hazardous Waste Storage Area C, Prepared by Charter Oak Environmental Services. Residual contamination remains containing chromium and chlorinated VOCs.
		Assess the potential for this area to be a source of the surrounding groundwater impacts.		X		PCE and elevated copper concentrations detected which correspond with nearby soil samples..
	AOC E-4 Spent Copper Etchant Recycling Area	Assess the tank contents and characterize any residuals that may remain.			X	Contents of the tanks were inspected and no residuals remain.
		Assess the status of closure of the RCRA regulated portion of this AOC and implement RCRA closure activities as needed.			X	RCRA closure of this area has been initiated. The concrete floors were cleaned with subsequent chip sampling. Additional polluting substances were found and additional closure activities are planned.
		Assess residual impacts to the concrete floor in the RCRA area and assess for cracks or impacted concrete in the non RCRA areas.			X	Residual impacts to the concrete floor are being addressed and will be removed.
		Assess the potential for this area to be a source of the surrounding groundwater impacts.			X	Copper was found exceeding the SWPC. Copper was also detected above SWPC in wells up gradient and side gradient of the AOC. No release is considered to have occurred.

Table 9
Summary of Data Quality Objectives and Results
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Areas of Concern	Description of AOC	Sampling Objectives	No documented release, data gaps addressed	Data suggests a release, remedial activity recommended	Other	Notes
	AOC-E5 Acid Tank Farm	Assess the potential for this area to be a source of the surrounding groundwater impacts.	X			MW-109 and MW-36 are downgradient and did not indicate any anomalies in pH during groundwater sampling.
		Assess the integrity of the concrete floor.	X			Concrete chip samples did not indicate a release to the concrete platform. Concrete platform is competent.
	AOC E-6	Previous DEP closure reporting will be compared to current ecological risk screening guidance.			X	Sediment results collected by HRP in November 1994 are not technically suitable to compare to current ecological screening values. The 1994 spill remediation was acceptable to the DEP.
AOC-F	Former 6,000 Gallon UST (East Aurora Street Building)	Assess if there has been a release from the UST		X		ETPH and PAHs indicate a potential release of heating oil to the shallow soil. Groundwater sampling results at MW-105 did not indicate impacts to groundwater. Remediation of the impacted soil is recommended.
AOC-G	East Aurora Street Warehouse	Review and implement the RCRA closure plans for the two storage areas.	X			AOC was addressed under the RCRA Closure Report, Main Container Storage Area (Area A), Quality Control (Area B), prepared by GEI and dated November 25, 2008. Concentrations of COCs in soil within the footprint of the storage areas met the Closure Plan Criteria. As a result, no further investigations or remediation are recommended.
		Extent of contamination of concrete by constituents of concern. Some concrete chip sampling was conducted by LEA, but the sample results have not been thoroughly evaluated.	X			
		Presence of any cracks in the concrete with penetrations to the subsoil which would allow contamination by constituents of concern.	X			
		Evaluate site-wide groundwater system to better assess if there has been a release to groundwater.	X			PCE was detected in concentrations above SWPC. This compound is not considered a constituent of concern for this area. Any further action will be addressed in the site-wide corrective action groundwater monitoring program.
AOC-H	Flammable Material Rack Storage Area	Evaluate potential releases to soil under or around the former storage area.	X			Soil sampling directly below concrete pad did not indicate a release had occurred.
		Presence of any cracks in the concrete with penetrations to the subsoil which would allow contamination by constituents of concern.	X			Soil sampling directly below concrete pad did not indicate a release had occurred.
		Evaluate site-wide groundwater system to better assess if there has been a release to groundwater.	X			PCE and TCE were detected in MW-112 downgradient of the AOC. These constituents were not part of the flammable material storage and do not indicate a release.

Table 9
Summary of Data Quality Objectives and Results
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

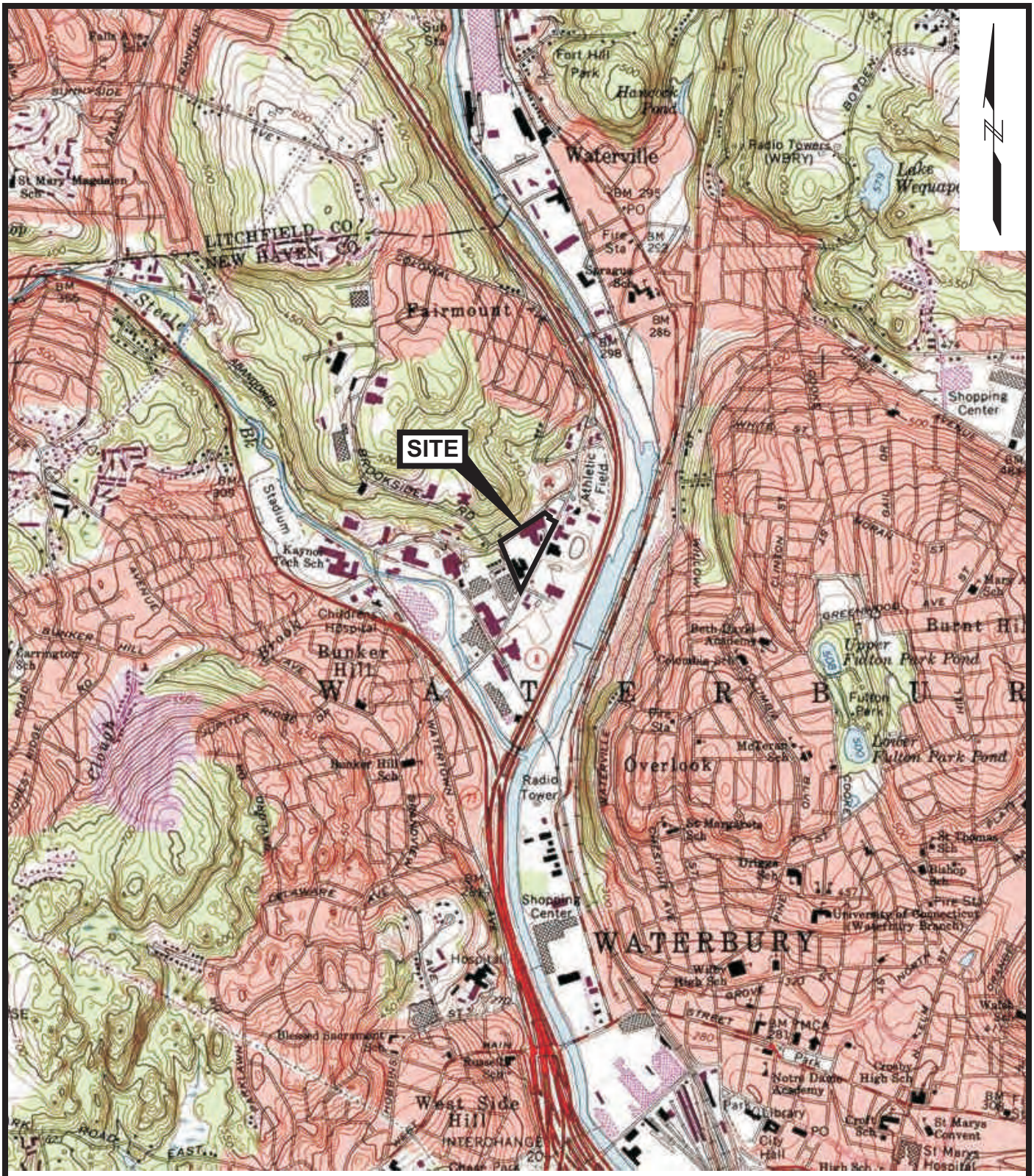
Areas of Concern	Description of AOC	Sampling Objectives	No documented release, data gaps addressed	Data suggests a release, remedial activity recommended	Other	Notes
AOC-I	Ink Spill Area	The residual from the historic spill and remediation needs to be compared to current soil and groundwater RSRs.	X			SB-71 collected in the location of the former spill showed no indication of residual spill material.
		Evaluate site-wide groundwater system to better assess if there has been a release to groundwater.	X			Nearest groundwater well is MW-62 which does not indicate residual contamination from the former ink spill.
AOC-J	10,000 Gallon UST (Gear Street Building)	Assess if the groundwater in the area of the UST has been impacted	X			Sample SB-71 collected adjacent to tank did not indicate a release had occurred. Two wells, downgradient of the AOC, MW-48 and MW-62 contained low concentrations of ETPH. Groundwater downgradient of the well does not indicate a release from the UST.
AOC-K	AOC-K1 Former Flammable Storage Area	Assess if the groundwater in the area of the UST has been impacted	X			None. This area has been closed per an approved RCRA closure plan and certified by a PE.
	AOC-K2 Former NMP Recycling Area	The site closure information will be compared to current RSRs to confirm conformance.	X			Closure documentation meet current RSR guidance.
	AOC-K3 Former Solder Stripper Recycling Area	None, this area has been closed per an approved RCRA closure plan and certified by a PE.	X			None. This area has been closed per an approved RCRA closure plan and certified by a PE.
	AOC-K4 Gear Street Industrial Wastewater Sump Release	The residual from the historical spill and remediation needs to be compared to current soil and groundwater RSRs.			X	A report documenting the remediation and testing after the spill was not available. SB-66 was installed and indicated ETPH impacts at five feet below grade. The depth and location of the sample suggests the impacts may be related to the release which occurred to the northwest. Further evaluation of this area should be performed under that remedial investigation.
		Continued evaluation of the site-wide groundwater system will better assess if there has been any residual impact to groundwater.	X			Contaminants found in the nearby well, MW-113, do not indicate a release of contaminants of concern.
	AOC-K5 Ink Manufacturing Area	Presence of any cracks in the concrete with penetrations to the subsoil which would allow contamination by constituents of concern need to be assessed.	X			SB-64 collected in the former location of the ink manufacturing area did not indicate a release had occurred. Based on a visual inspection of the concrete floor, no cracks larger than 0.5 inches were observed and the concrete floor was competent.
		Continued evaluation of the site-wide groundwater system will better assess if there has been any residual impact to groundwater.	X			The nearest downgradient well, MW-113, did not indicate a release.
	AOC-K6 Electroless Nickel Area	Assess if there has been a release to in the Electroless Nickel Area		X		Soil samples SB-67 and SB-68 were analyzed in the area of the electroless nickel and did not indicate a release. SB-70 however, indicates leachable concentrations of nickel in the soil. Further evaluation is needed.
		Evaluate site-wide groundwater system will better assess if there has been any residual impact to groundwater.		X		The nearest downgradient well, MW-113, did not indicate a release of nickel or other constituent of concern.

Table 9
Summary of Data Quality Objectives and Results
MacDermid Incorporated
526 Huntingdon Avenue
Waterbury, Connecticut

Areas of Concern	Description of AOC	Sampling Objectives	No documented release, data gaps addressed	Data suggests a release, remedial activity recommended	Other	Notes
	AOC-K7 Satellite Storage Areas	Assess if there has been a release to in the three satellite storage areas.	X			Soil samples SB-67 and SB-68 were analyzed for COCs in the area of the electroless nickel area and did not indicate a release.
		Evaluate site-wide groundwater system will better assess if there has been any residual impact to groundwater.				The nearest downgradient well, MW-113, did not indicate a release.
	AOC-K8 Chemical Storage Area	The documentation for the closure of the former combustible storage area under RCRA is not clear. The past closure means and methods need to be compared against current guidance.	X			The results indicate the chip samples in the bermed containment area were impacted. The soils below the concrete indicate that the secondary containment prevented a release to the environment.
AOC-L	Transformer Vault	Assess the presence of any cracks in the concrete and asphalt with penetrations to the subsoil which would allow contamination by constituents of concern.		X		Soil samples SB-61 and SB-62 indicate the presence of petroleum, lead, and arsenic above state regulatory guidance. No PCBs were detected in the soils. Source of release may be the result of road runoff instead of transformer release.
		Evaluate the soil quality around the transformers to assess for the potential of a historical release.		X		

Notes:
AOC - Area of Concern
COC - Constituent of Concern
VOC - Volatile Organic Compound
ETPH - Extractable Total Petroleum Hydrocarbons
CTDEP - Connecticut Department of Environmental Protection
RCRA - Resource Conservation and Recovery Act

Figures



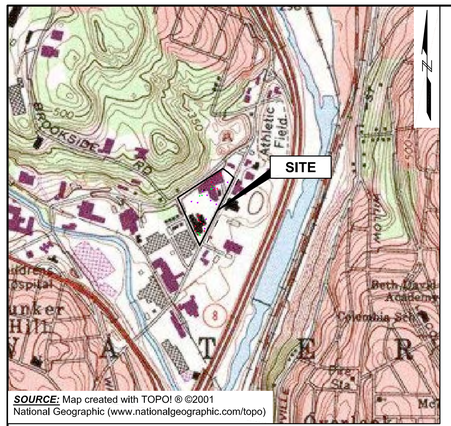
SOURCE: Map created with TOPO! ® ©2001 National Geographic (www.nationalgeographic.com/topo)

0 2000 4000

SCALE, FEET

MacDERMID, INC. 526 HUNTINGDON AVENUE WATERBURY, CONNECTICUT	GEI Consultants	**SITE LOCATION MAP**
MacDERMID, INC. WATERBURY, CONNECTICUT	Project 073290-1000	September 2009 Figure 1

GEI\MacDERMID\MacDermid Location Map.cdr



SOURCE: Map created with TOPO! ® ©2001 National Geographic (www.nationalgeographic.com/topo)

SITE LOCUS

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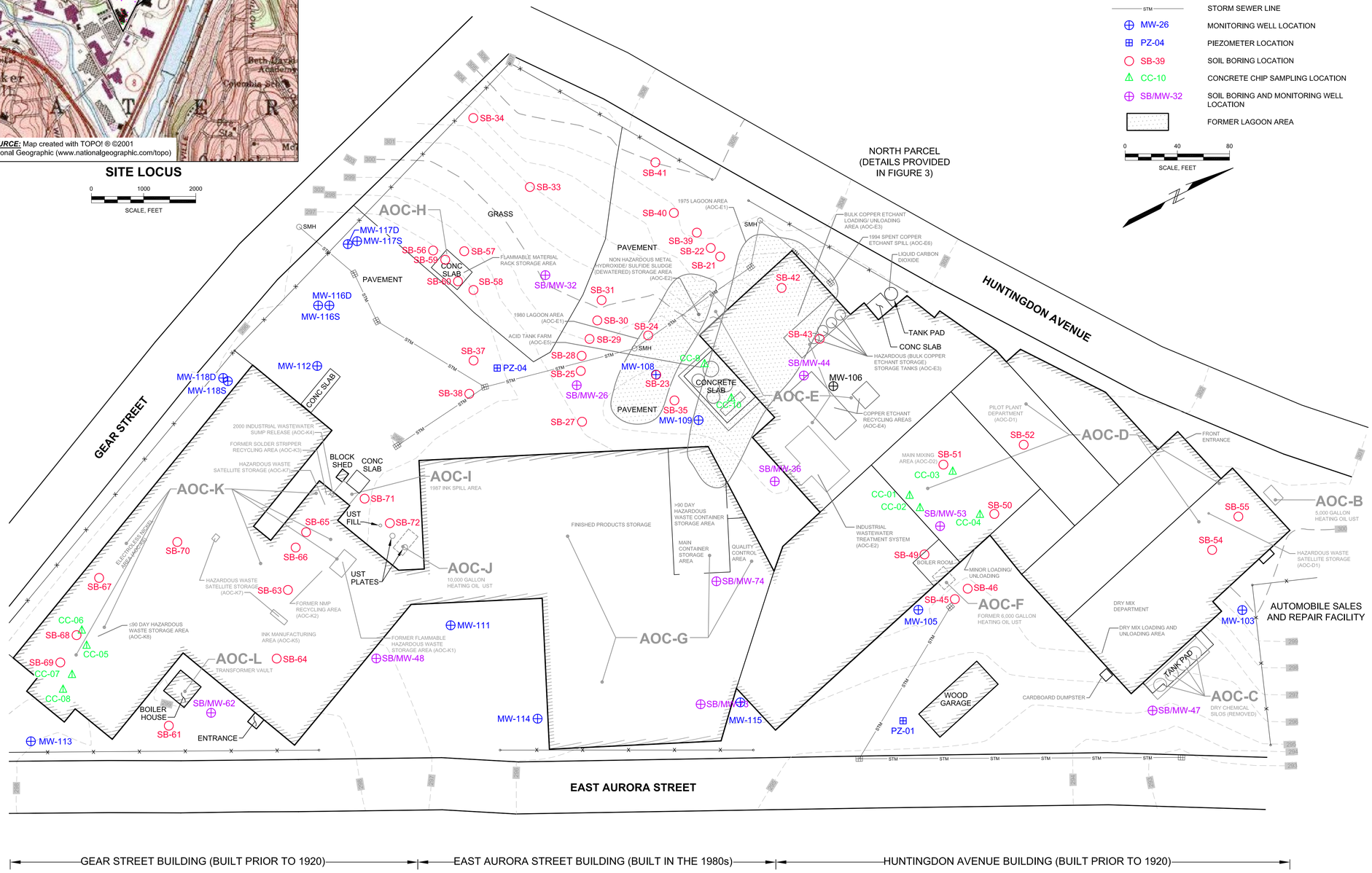
SCALE, FEET



GEAR STREET BUILDING (BUILT PRIOR TO 1920) | EAST AURORA STREET BUILDING (BUILT IN THE 1980s) | HUNTINGDON AVENUE BUILDING (BUILT PRIOR TO 1920)

LEGEND

- 294 — GROUND SURFACE CONTOUR (FT NAVD88)
- CHAIN-LINK FENCE
- BUILDING
- SMH — SEWER MANHOLE
- CATCH BASIN
- STM — STORM SEWER LINE
- MW-26 — MONITORING WELL LOCATION
- PZ-04 — PIEZOMETER LOCATION
- SB-39 — SOIL BORING LOCATION
- CC-10 — CONCRETE CHIP SAMPLING LOCATION
- SB/MW-32 — SOIL BORING AND MONITORING WELL LOCATION
- FORMER LAGOON AREA

0 40 80
SCALE, FEET

Areas of Concern	Description of AOC	Concrete Chip Sampled	Borings Sampled	Monitoring Wells Sampled
AOC-A	Soil Disposal Area	NA	SB-1, SB-2, SB-3, and SB-5	NA
	North Parcel	NA	SB-6, SB-7, SB-10, SB-12, SB-15, SB-17, and SB-19	MW-101, MW-102
AOC-B	4,000-Gallon No. 2 Fuel Underground Storage Tank	NA	NA	MW-103
AOC-C	Dry Chemical Silos	NA	SB-47	MW-47
AOC-D	AOC-D1 Pilot Plant	CC-1, CC-2, CC-3, and CC-4	SB-49, SB-50, SB-51, SB-52, and SB-53	MW-53 and MW-105
	AOC-D2 Main Mixing Area			
AOC-E	AOC-E1 Former Waste Lagoons and LNAPL	CC-9 and CC-10	SB-22, SB-23, SB-24 SB-25, SB-26, SB-27, SB-28, SB-29, SB-30, SB-31, SB-32, SB-33, SB-34, SB-35, SB-36,	MW-108, MW-109, MW-110, MW-26, MW-32, and MW-36, MW-116S, 116D, and MW-117D
	AOC-E2 Wastewater Treatment System (WWTS)			
	AOC-E3 Spent Copper Etchant Storage Area			
	AOC-E4 Spent Copper Etchant Recycling Area			
	AOC-E5 Acid Tank Farm			
	AOC-E6 1994 Spent Copper Etchant Spill			
AOC-F	Former 6,000 Gallon UST (East Aurora Street Building)	NA	SB-45 and SB-46	MW-105
AOC-G	East Aurora Street Warehouse	NA	SB-73 and SB-74	MW-111, MW-113, MW-114, MW-115, MW-73, MW-74
AOC-H	Flammable Material Rack Storage Area	NA	SB-59 and SB-60	MW-32, MW-26, and MW-117S
AOC-I	Ink Spill Area	NA	SB-71 and SB-72	MW-48 and MW-111
AOC-J	4,000 Gallon UST (Gear Street Building)	NA	SB-71 and SB-72	MW-48 and MW-111
AOC-K	AOC-K1 Former Flammable Storage Area	NA	SB-63,SB-64, and SB-66	MW-48 and MW-111
	AOC-K2 Former NMP Recycling Area	NA	SB-63 and SB-66	MW-48 and MW-111
	AOC-K3 Former Solder Stripper Recycling Area	NA	SB-66	MW-48 and MW-111
	AOC-K4 Gear Street Industrial Wastewater Sump Release	NA	SB-66, SB-71 and SB-72	MW-48 and MW-111
	AOC-K5 Ink Manufacturing Area	NA	SB-64	MW-48 and MW-111
	AOC-K6 Electroless Nickel Area	NA	SB-45, SB-46	MW-48 and MW-111
	AOC-K7 Satellite Storage Areas	NA	SB-47, SB-48, SB-49	MW-48 and MW-111
	AOC-K8 Chemical Storage Area	CC-5, CC-6, CC-7, and CC-8	SB-68 and SB-69	MW-48 and MW-111
AOC-L	Transformer Vault	NA	SB-61, SB-62	MW-62

MacDERMID, INC.
526 HUNTINGDON AVENUE
WATERBURY, CONNECTICUT

MacDERMID, INC.
WATERBURY, CONNECTICUT

PROJECT 073290

GEI Consultants
455 WINDING BROOK DRIVE
SUITE 201
GLASTONBURY, CONNECTICUT 06033

SITE LAYOUT MAP

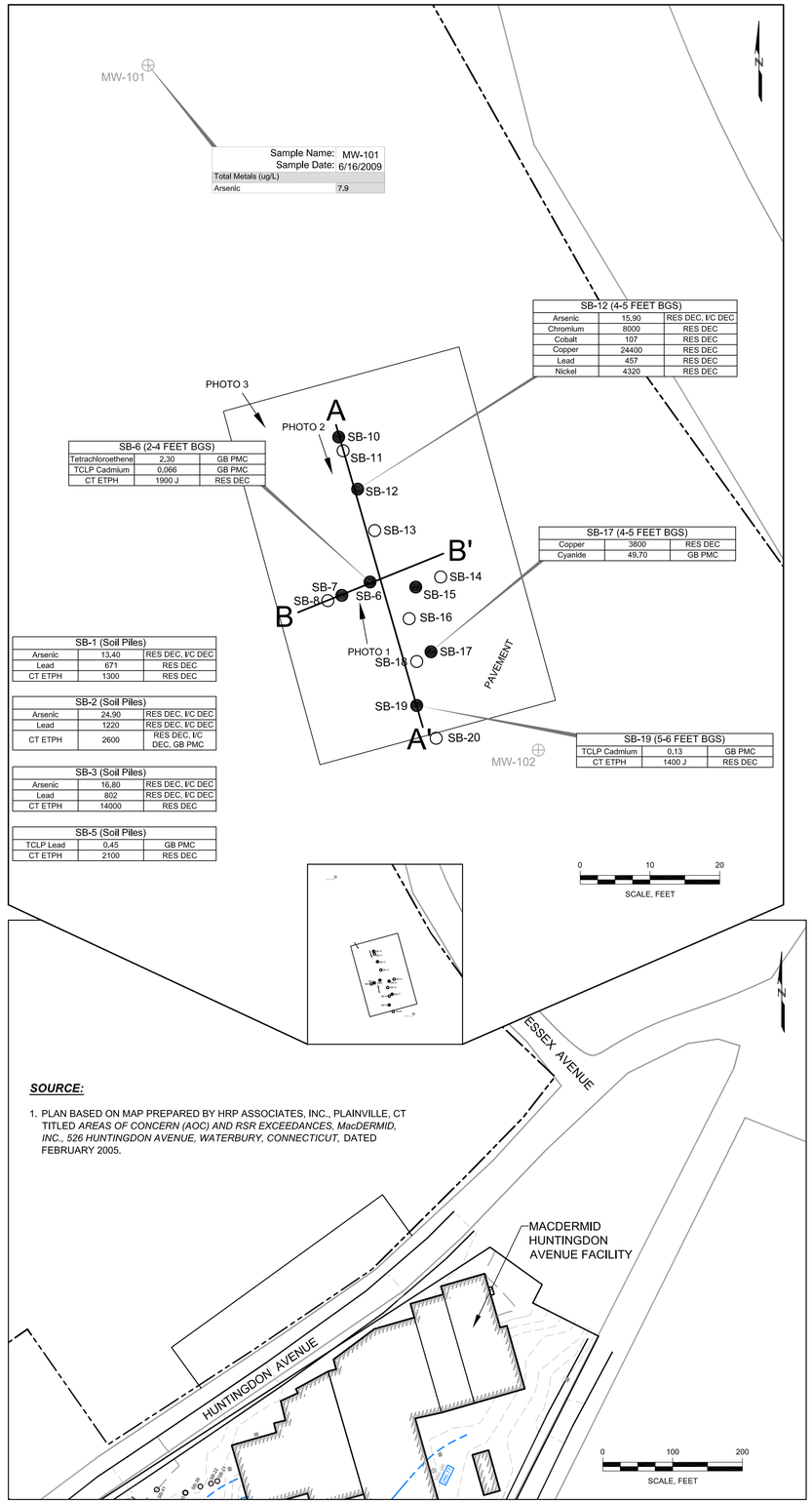
September 2009 | Figure 2

I:\GEI\MacDERMID\ FIG 2 - SITE LAYOUT.dwg \Sep 11, 2009

PHOTO 1

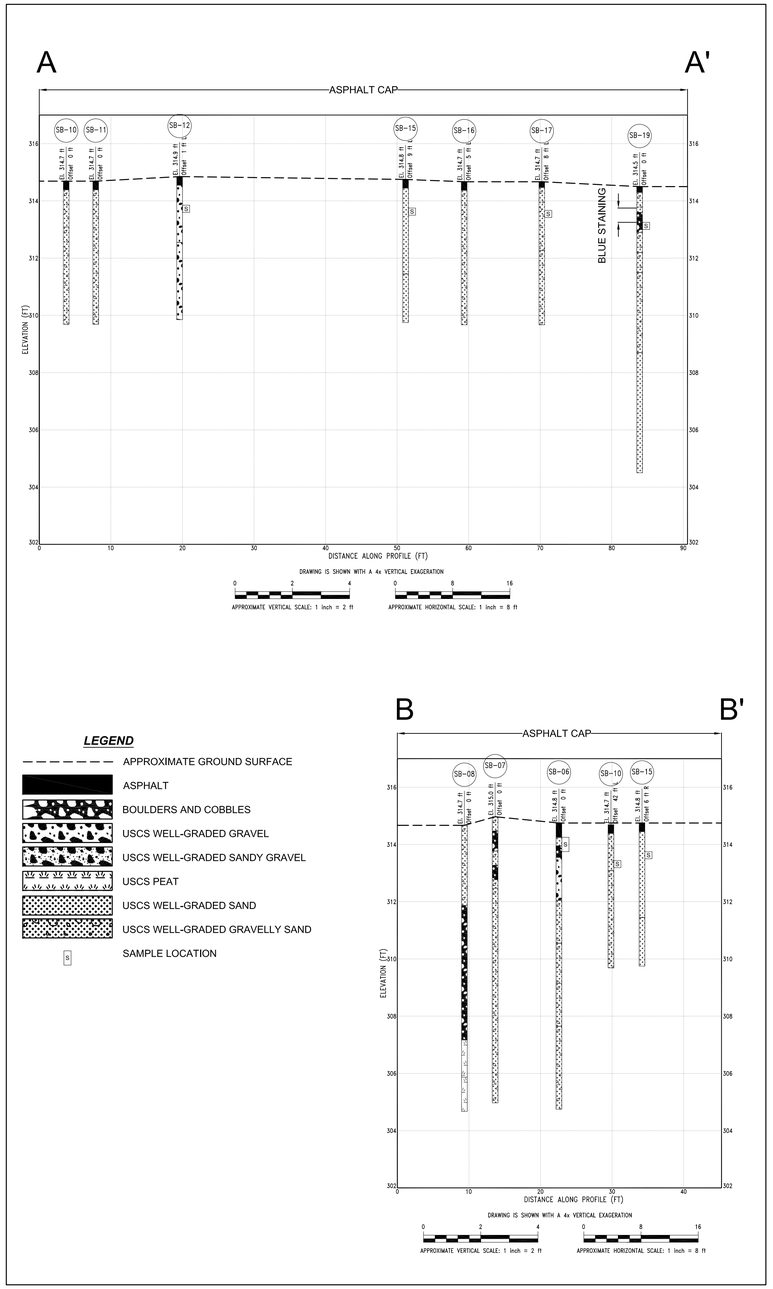
PHOTO 2

PHOTO 3



SOURCE:

1. PLAN BASED ON MAP PREPARED BY HRP ASSOCIATES, INC., PLAINVILLE, CT TITLED *AREAS OF CONCERN (AOC) AND RSR EXCEEDANCES, MacDERMID, INC., 526 HUNTINGDON AVENUE, WATERBURY, CONNECTICUT,* DATED FEBRUARY 2005.



LEGEND

- APPROXIMATE GROUND SURFACE
- ASPHALT
- BOULDERS AND COBBLES
- USCS WELL-GRADED GRAVEL
- USCS WELL-GRADED SANDY GRAVEL
- USCS PEAT
- USCS WELL-GRADED SAND
- USCS WELL-GRADED GRAVELLY SAND
- SAMPLE LOCATION

LEGEND

- SB-10 — SOIL BORING WITH SAMPLE COLLECTED
- SB-11 — SOIL BORING NO SAMPLE COLLECTED
- MW-101 — MONITORING WELL

MacDERMID, INC.
526 HUNTINGDON AVENUE
WATERBURY, CONNECTICUT

MacDERMID, INC.
WATERBURY, CONNECTICUT

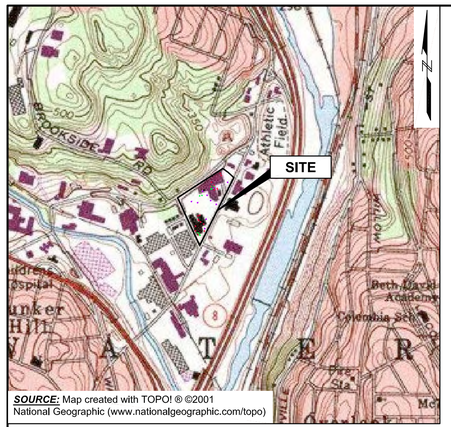
PROJECT 073290-1000

GEI Consultants
455 WINDING BROOK DRIVE
SUITE 201
GLASTONBURY, CONNECTICUT 06033

SITE LAYOUT AND SAMPLE LOCATIONS AOC-A

September 2009 — Figure 3

I:\GEI\MacDERMID\ FIG 3 - PHOTOS.dwg \Sep 11, 2009



SITE LOCUS

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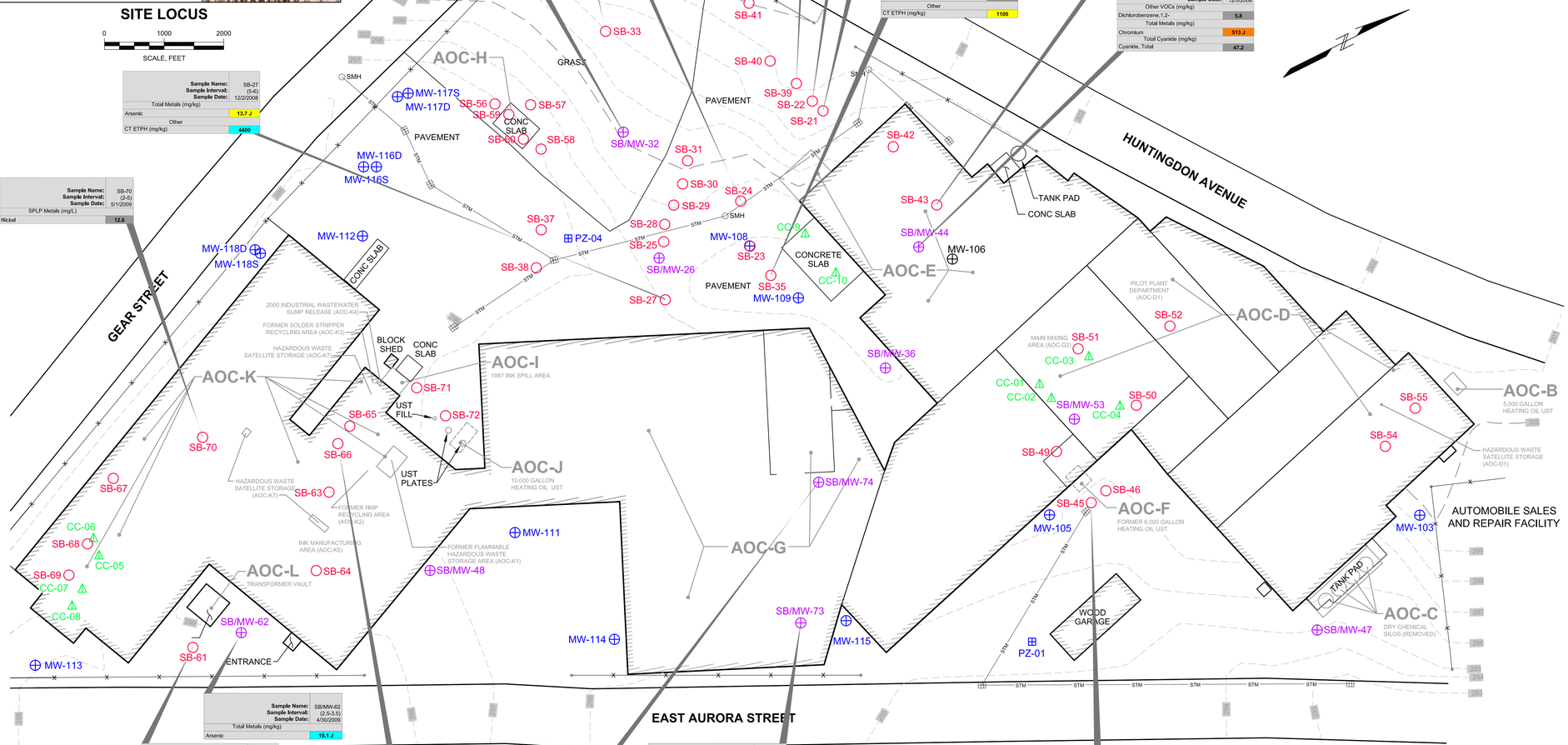
SCALE, FEET



LEGEND

- 294 — GROUND SURFACE CONTOUR (FT NAVD88)
- CHAIN-LINK FENCE
- BUILDING
- SMH — SEWER MANHOLE
- CATCH BASIN
- STM — STORM SEWER LINE
- MW-26 — MONITORING WELL LOCATION
- PZ-04 — PIEZOMETER LOCATION
- SB-39 — SOIL BORING LOCATION
- CC-10 — CONCRETE CHIP SAMPLING LOCATION
- SB/MW-32 — SOIL BORING AND MONITORING WELL LOCATION

0 40 80
SCALE, FEET

RSR CRITERIA	GB PMC	RES DEC	I/C DEC
BTEX (mg/kg)			
Benzene	0.2	21	200
Toluene	67	500	1000
Ethylbenzene	10.1	500	1000
Xylene, m,p-	NE	NE	NE
Xylene, o-	NE	NE	NE
Total Xylene	19.5	500	1000
Other VOCs (mg/kg)			
Dichlorobenzene,1,2-	3.1	500	1000
Non-carcinogenic PAHs (mg/kg)			
Acenaphthene	84	1000	2500
Carcinogenic PAHs (mg/kg)			
Benz[a]anthracene	1	1	7.8
Benzo[a]pyrene	1	1	1
Benzo[b]fluoranthene	1	1	7.8
Benzo[k]fluoranthene	1	8.4	78
Chrysene	1	84	780
Dibenz[a,h]anthracene	1	1	1
Indeno[1,2,3-cd]pyrene	1	1	7.8
Total Metals (mg/kg)			
Arsenic	NE	10	10
Beryllium	NE	2	2
Cadmium	NE	34	1000
Chromium	NE	100/3900	100/51000
Cobalt	NE	70	NE
Copper	NE	2500	76000
Lead	NE	400	1000
Nickel	NE	1400	7500
SPLP Metals (mg/L)			
Nickel	1	NE	NE
Total Cyanide (mg/kg)			
Cyanide, Total	2	1400	41000
Other			
CT ETPH (mg/kg)	2500	500	2500

Notes:

mg/L - milligrams per liter or ppm
mg/kg - milligrams per kilogram or parts per million (ppm)
BTEX - benzene, toluene, ethylbenzene, and xylenes
VOCs - volatile organic compounds
PAHs - polycyclic aromatic hydrocarbons
PCBs - Polychlorinated Biphenyls
SVOCs - semivolatile organic compounds
SPLP- Synthetic Precipitate Leaching Procedure
TCLP - Toxicity Characteristic Leaching Procedure

Res DEC - Residential direct exposure criteria means the concentrations identified as residential direct exposure criteria in Appendix A to sections 22a-133k-1 through 22a-133k-3 of the Regulations of Connecticut State Agencies.

I/C DEC - Industrial/commercial direct exposure criteria means the concentrations identified as industrial/commercial direct exposure criteria in Appendix A to sections 22a-133k-1 through 22a-133k-3 of the Regulations of Connecticut State Agencies.

GB - means an area where the ground-water classification is GB

PMC - Pollutant mobility criteria means the concentrations identified in Appendix B to sections 22a-133k-1through 22a-133k-3 of the Regulations of Connecticut State Agencies or any alternative pollutant mobility criteria approved by the Commissioner pursuant to subsection 22a-133k-2(d) of the Regulations of Connecticut State Agencies.

Bolding indicates a detected result value Shading and bolding indicates that the detected result value exceeds the Remediation Standard it was compared to

500 J — Orange shading and bolding indicates a possible exceedance for hexavalent or trivalent where only total chromium values are available

Validation Qualifiers:

J - estimated value

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SUMMARY OF SOIL EXCEEDANCES

September 2009 — Figure 4

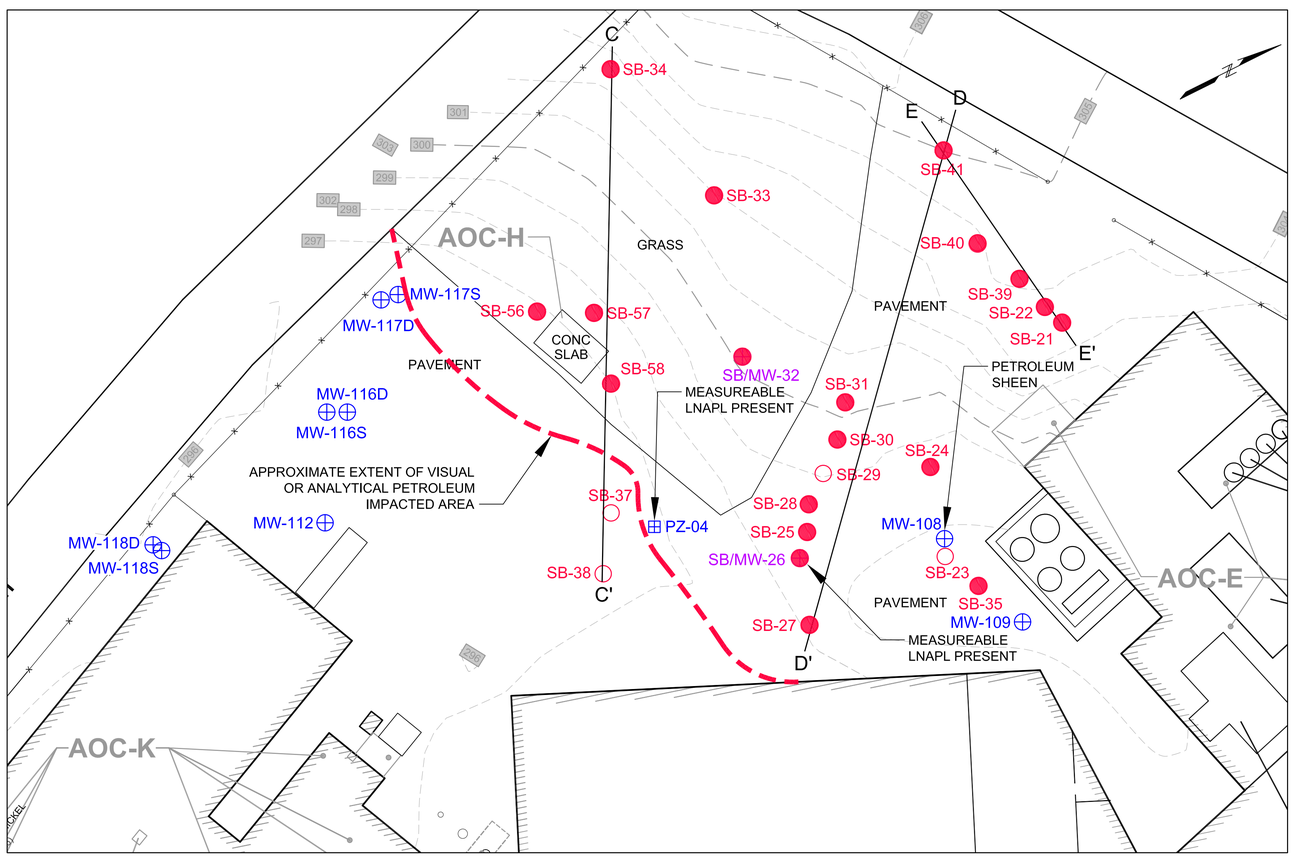
I:\GEI\MacDERMID\ FIG 4 - SOIL EXCEEDANCES.dwg \Sep 11, 2009

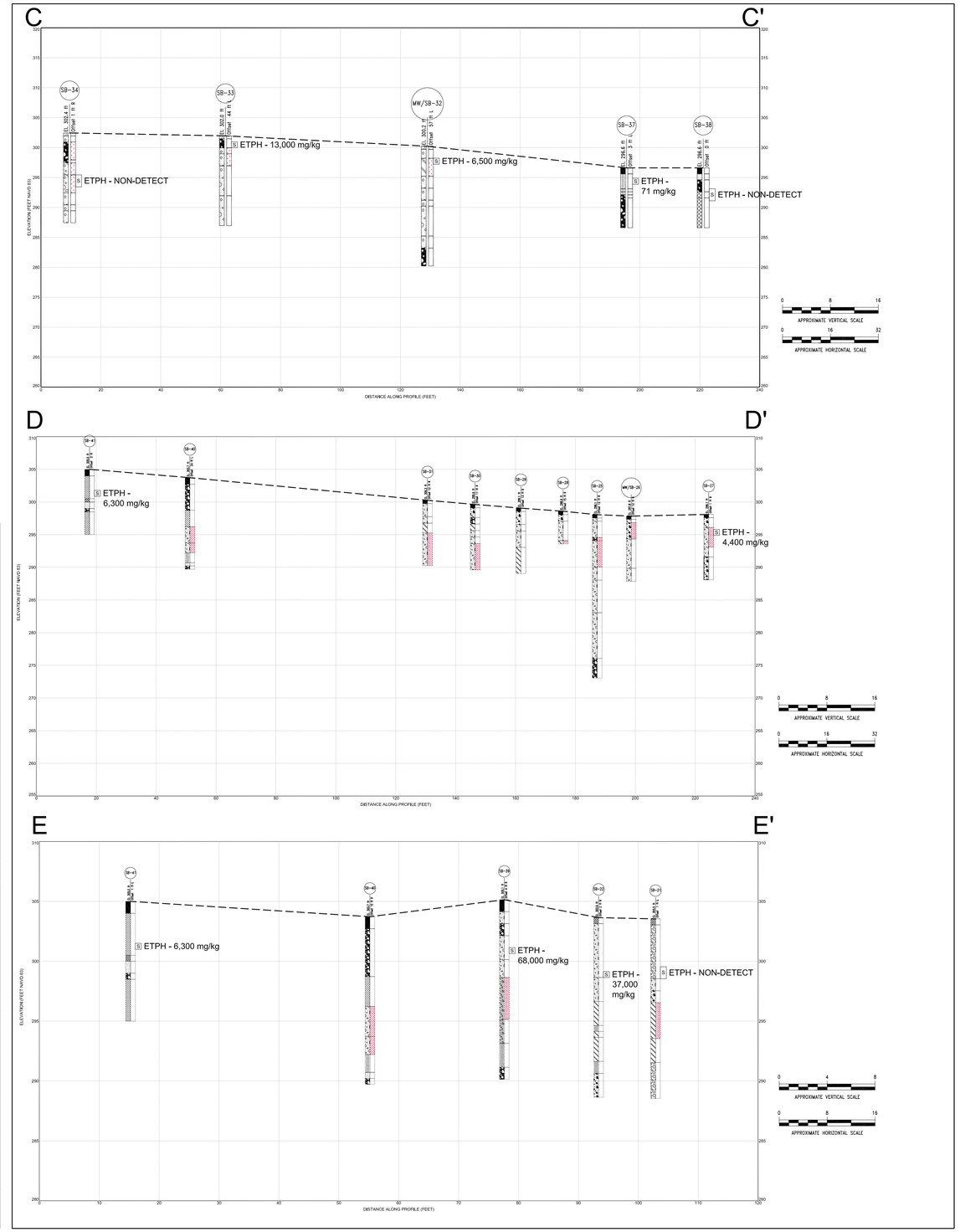
LEGEND

294	GROUND SURFACE CONTOUR (FT NAVD88)
	CHAIN-LINK FENCE
	BUILDING
MW-26	MONITORING WELL LOCATION
PZ-04	PIEZOMETER LOCATION
CC-10	CONCRETE CHIP SAMPLING LOCATION
SB/MW-32	SOIL BORING AND MONITORING WELL LOCATION
SB-10	OBSERVED OR DETECTED PETROLEUM RELEASE
SB-39	NO OBSERVED OR DETECTED PETROLEUM RELEASE

LEGEND

	APPROXIMATE GROUND SURFACE
	PETROLEUM ODORS
	ASPHALT
	BOULDERS AND COBBLES
	USCS LOW TO HIGH PLASTICITY CLAY
	USCS LOW PLASTICITY GRAVELLY CLAY
	CONCRETE
	FILL (MADE GROUND)
	USCS POORLY-GRADED SANDY GRAVEL
	USCS WELL-GRADED GRAVEL
	USCS WELL-GRADED SANDY GRAVEL
	USCS GRAVELLY SILT
	USCS SANDY SILT
	USCS HIGH PLASTICITY ORGANIC SILT OR CLAY
S	SAMPLE LOCATION
ETPH	EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS
mg/kg	MILLIGRAMS PER KILOGRAM





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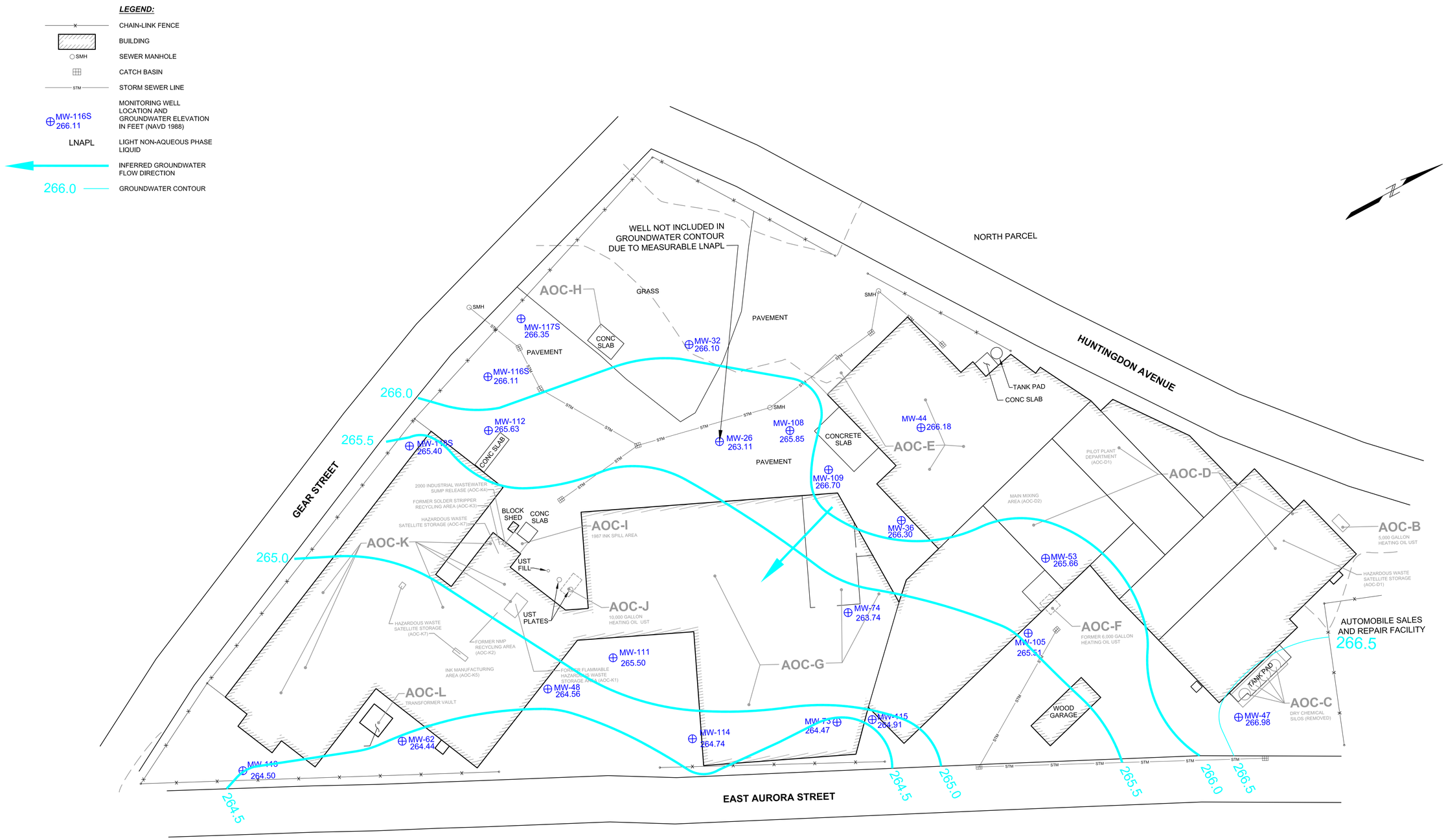
CROSS SECTIONS C, D, AND E

September 2009 Figure 5

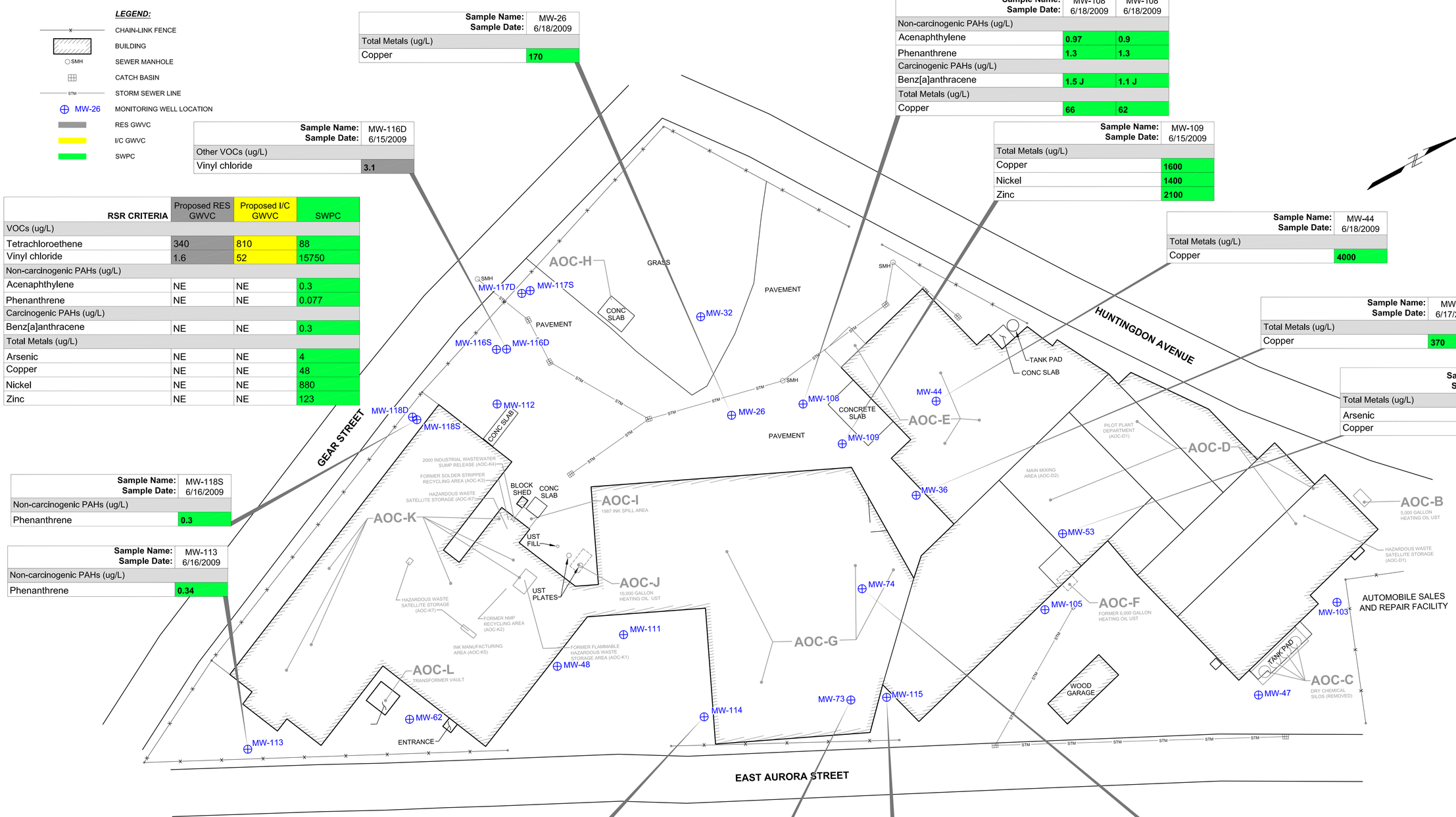
I:\GEI\MacDERMID\ FIG 5 - CROSS SECTIONS.dwg \Sep 11, 2009



0 40 80
SCALE, FEET

MacDERMID, INC. 526 HUNTINGDON AVENUE WATERBURY ,CONNECTICUT	GEI Consultants 455 WINDING BROOK DRIVE SUITE 201 GLASTONBURY, CONNECTICUT 06033	**GROUNDWATER CONTOURS OF THE SHALLOW SAND AQUIFER**
MacDERMID, INC. WATERBURY, CONNECTICUT		
PROJECT 073290		September 2009 — Figure 6

I:\GEI\MacDERMID\ FIG 6 - GW CONTOURS.dwg \Sep 11, 2009



Sample Name: / Sample Date:	MW-26 6/18/2009
Total Metals (ug/L)	
Copper	170

Sample Name: / Sample Date:	MW-108 6/18/2009	Duplicate of MW-108 6/18/2009
Non-carcinogenic PAHs (ug/L)		
Acenaphthylene	0.97	0.9
Phenanthrene	1.3	1.3
Carcinogenic PAHs (ug/L)		
Benz[a]anthracene	1.5 J	1.1 J
Total Metals (ug/L)		
Copper	66	62

Sample Name: / Sample Date:	MW-116D 6/15/2009
Other VOCs (ug/L)	
Vinyl chloride	3.1

Sample Name: / Sample Date:	MW-109 6/15/2009
Total Metals (ug/L)	
Copper	1600
Nickel	1400
Zinc	2100

RSR CRITERIA	Proposed RES GWVC	Proposed I/C GWVC	SWPC
VOCs (ug/L)			
Tetrachloroethene	340	810	88
Vinyl chloride	1.6	52	15750
Non-carcinogenic PAHs (ug/L)			
Acenaphthylene	NE	NE	0.3
Phenanthrene	NE	NE	0.077
Carcinogenic PAHs (ug/L)			
Benz[a]anthracene	NE	NE	0.3
Total Metals (ug/L)			
Arsenic	NE	NE	4
Copper	NE	NE	48
Nickel	NE	NE	880
Zinc	NE	NE	123

Sample Name: / Sample Date:	MW-44 6/18/2009
Total Metals (ug/L)	
Copper	4000

Sample Name: / Sample Date:	MW-36 6/17/2009
Total Metals (ug/L)	
Copper	370

Sample Name: / Sample Date:	MW-53 6/18/2009
Total Metals (ug/L)	
Arsenic	78
Copper	820

Sample Name: / Sample Date:	MW-118S 6/16/2009
Non-carcinogenic PAHs (ug/L)	
Phenanthrene	0.3

Sample Name: / Sample Date:	MW-113 6/16/2009
Non-carcinogenic PAHs (ug/L)	
Phenanthrene	0.34

Sample Name: / Sample Date:	MW-114 6/16/2009
Non-carcinogenic PAHs (ug/L)	
Phenanthrene	0.63

Sample Name: / Sample Date:	MW-73 6/18/2009
Other VOCs (ug/L)	
Tetrachloroethene	130

Sample Name: / Sample Date:	MW-115 6/16/2009
Other VOCs (ug/L)	
Tetrachloroethene	180
Total Metals (ug/L)	
Nickel	1400

Sample Name: / Sample Date:	MW-74 6/18/2009
Other VOCs (ug/L)	
Tetrachloroethene	130 J

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GROUNDWATER EXCEEDENCES

September 2009 Figure 7

I:\GEI\MacDERMID\ FIG 7 - GW EXCEEDENCES.dwg \Sep 11, 2009

Appendix A

EPA – New England RCRA Corrective Action Ecological Receptor Exposure Pathway Scoping Checklist

EPA – New England
Resource Conservation and Recovery Act (RCRA) Corrective Action
Ecological Receptor Exposure Pathway Scoping Checklist

Facility Name: ____MacDermid Incorporated_____ _____
Facility Address: ____526 Huntingdon Avenue, Waterbury, Connecticut_____
Facility EPA ID #: ____CTD001164599_____

Purpose:

This checklist is designed as a screening tool to help EPA-New England (EPA-NE) RCRA Corrective Action project managers determine whether there is the potential for complete exposure pathways between RCRA facility contaminants and ecological receptors (i.e., plants and wildlife).

Intended Use:

EPA-NE has recognized a need for a tool to guide its review of facility information pertaining to ecological risk assessment. This checklist is intended to guide EPA-NE review of available information on environmental conditions at a facility to determine whether further ecological assessment is necessary. Ideally, the checklist should be completed early in the RCRA Corrective Action process. If complete ecological exposure pathways are identified, an EPA or state ecological risk assessor should be involved in planning subsequent site investigation and ecological risk assessment.

Some state environmental agencies in New England have developed, or are in the process of developing, their own checklists or other tools for scoping ecological exposure pathways. Although EPA-NE believes the use of this checklist may be comparable and complimentary to other existing scoping tools used by states, the format and content of this EPA-NE checklist may differ from such state tools. Accordingly, this checklist is designed primarily for use by EPA-NE RCRA Facility Managers and their agents.

The checklist is considered a public document and, once completed for a given facility, may be included in the facility file. As a public document, the checklist may be shared with states, the regulated community, or the public for informational purposes.

Instructions:

All available relevant/significant information on known and reasonably suspected contaminant releases at or from the facility to soil, groundwater, surface water/sediments should be considered in completing this checklist.

Each page of the checklist includes a series of questions to be answered by the project manager completing the checklist. In the “rationale and reference” section on each page, the project manager should summarize the supporting information used to answer the

questions and clearly reference the document, as well as the page number, table number or figure number, where the supporting data can be found. Rationale and references should be clear and specific so that the findings of the checklist are transparent and able to be reproduced. Based on the answers to the questions on each page, the project manager can complete the "Preliminary Ecological Risk Evaluation" section of the checklist.

If the answer to any of the questions in the Preliminary Ecological Risk Evaluation section is "yes", the project manager should consult a U.S. Environmental Protection Agency (EPA) or state ecological risk assessor for further information. In this case, an ecological risk assessor should be involved as early as possible in planning the site investigation and further ecological risk assessment. If the answer is "no" to all three findings in the Preliminary Ecological Risk Evaluation section, complete pathways for contaminant exposure to ecological receptors are not reasonably expected at the facility, based on the data used in completing the checklist. Following its completion, the checklist should be included in the facility file to document the rationale for consulting an ecological risk assessor and focusing any subsequent ecological risk assessment, or the rationale for not proceeding further with ecological risk assessment.

Note. Please be advised that new data or new information could alter the findings of this checklist. The checklist should be revisited if new information that might change the checklist findings becomes available. Completion of this checklist is not intended to substitute for a Screening Level Ecological Risk Assessment (SLERA) or a Baseline Ecological Risk Assessment (BERA). Findings, documented by this checklist that ecological exposure to facility contaminants is not expected, are not considered final until a site-wide remedy decision made by EPA or a state environmental agency authorized for RCRA Corrective Action results in the termination of interim status of a facility or satisfaction with the conditions of a hazardous waste operating or post-closure permit.

REVIEW OF FACILITY INFORMATION & CONCEPTUAL SITE MODEL

In order for ecological risks to exist there must be a potential for exposure of ecological receptors to contaminants. This portion of the evaluation is designed to assist in the identification of contaminated environmental media associated with a site.

Based on a review of the file and an understanding of the conceptual site model for the facility, please identify the environmental media present on or adjacent to the facility property which are known or reasonably expected to be impacted by contaminants from the facility. Place a check mark next to the media type. Additionally, please evaluate the potential for migration of contaminants from the site. Potential migration pathways include surface water flow, run off, groundwater flow, erosion, placement of fill and discharge locations. Please attach a figure of the site showing areas of potential contamination.

Media Potentially Affected by Facility Operations	Potential for Migration	Migration Pathway
Soil	Yes	Direct contact with ecologic receptors when impacted soil less than two feet and potential for impact to groundwater from leaching impacted soil.
Sediment	Yes	Storm water from discharge to Steele Brooke.
Surface Water	Yes	Storm water discharges to Steel Brooke through discharges to the Naugatuck River.
Groundwater	Yes	Groundwater flows toward and discharges to the Naugatuck River.

Rationale and References: (Please clearly reference the document name and date as well as the page, table or figure number where any data considered in answering the above questions can be found)

Please refer to GEI Consultants "Site Characterization Work Plan MacDermid Incorporated. April 2008. GEI Consultants Inc." for a complete, detailed description of the MacDermid Inc. site located on Huntingdon Ave, including individual Areas of Concern (AOC) and corresponding objectives including a brief outline of the scoping-level ecological risk assessment.

The Site Characterization Report MacDermid Incorporated, September 2009 provides the results of the investigation. The majority of information included in the checklist is directly referenced to this document.

References:

CTDEP.2000. *Total Maximum Daily Loading Analysis for Steel Brook, State of Connecticut Department of Environmental Protection*, 2000.

CTDEP.2002. *Connecticut Water Quality Standards, State of Connecticut Department of Environmental Protection. (Appendix D).*

Environmental Data Resources, 2007, *EDR Radius Report, MacDermid Inc., 526 Huntingdon Avenue, Waterbury, CT 06708*. November 27 2007.

GEI, 2008. *Site Characterization Work Plan MacDermid Incorporated*. April 2008.

GEI.2008 (b). *Groundwater Monitoring Report MacDermid, Inc.* July 2008.

GEI.2009. *Site Characterization Report MacDermid Incorporated*. September 2009.

HRP.2001. *RCRA Corrective Action Stabilization Report*, March, 16 2001.

LEA. 2005. *Documentation of Environmental Indicator Determination*, LEA, February 1, 2005

MacDermid.2008. *Annual Stormwater Monitoring Results. Permit No. GSI000386.* November 3. 2008.

HABITAT DOCUMENTATION

In order for ecological risks to exist there must be a potential for ecological receptors to come into contact with contaminated media. This portion of the evaluation is designed to assist in the identification of potential presence of environmental receptors associated with a site. It is predicated upon the assumption that if suitable habitat exists, then ecological receptors could potentially be present.

Please check the potentially impacted habitats present on, adjacent to, or immediately downgradient of the facility based on a site visit and an understanding of the site conceptual model. Also, indicate for each habitat whether the presence of site-derived contamination has been confirmed, is suspected, is not expected, or is unknown.

Table 1: Summary of habitats and presence of Site-derived contamination

Habitat type	Location			Presence of Site-derived contamination			
	At the site[a]	Adjacent to the site	Not present	Con-firmed	Sus-pected	Not expected	Unknown
MARINE/ESTUARINE ENVIRONMENTS							
Salt marsh			X				
Tidal rivers & streams			X				
Exposed mudflats			X				
Seagrass beds			X				
Rocky shoreline			X				
Other*			X				
FRESHWATER ENVIRONMENTS							
Wetlands			X				
Lakes & ponds			X				
Rivers and streams		X					
Vernal pools[c]			X				
Other*			X				
TERRESTRIAL ENVIRONMENTS							
Wooded	X**	X					
Transitional							
Open field							
Other*							

[a] "at the site" is defined as within the limits of the site perimeter or site fence
[b] "adjacent to the site" is more loosely defined as terrestrial or aquatic habitat present in the immediate vicinity of the site
[c] vernal pool refers to a temporary body of standing water in terrestrial habitat which appears in early spring but completely dries out by late spring-early summer. This type of habitat can be suitable for amphibian reproduction.

* provide additional details
** - Northern Parcel (AOC-A) is primarily wooded area (secondary growth), however the main site does not provide native wooded habitat on-site.

Habitat Documentation Rationale and References: (Please clearly reference the document name and date as well as the page, table or figure number where any data considered in answering the above questions can be found.)

The majority of the site is industrial development. The North Parcel (containing AOC-A) is the primary portion of the Site providing viable habitat. It is located approximately 400 feet north of the Huntingdon Avenue facility and includes 30.35 acres of successional woodland surrounded by residential, commercial, and industrial development. AOC-A is an asphalt capped fill area approximately 50 foot wide by 95 foot long (TRC, 1993). There are also several small soil and debris piles that surround the asphalt cap. The area outside the cap is overgrown with brush.

The Huntingdon Avenue facility is made up primarily of industrial buildings, pavement, and a small section of grass on the southwestern portion of the lot, which is fenced-in around the entire perimeter. This portion of the site provides very minimal habitat and, the fence limits any potential pathways for potential wildlife, other then transient birds and small rodents.

The adjacent water bodies include the Naugatuck River to the east of the site which is the recipient of groundwater flow, and Steele Brook to the south west of the site. These surface water receptors are discussed in further detail within the Surface Water Bodies section with the following Exposure Assessment.

References:

CTDEP.2009. *Review of Website Material. www.ct.gov/dep/site/default.asp Website.* October 12, 2008.

HRP.2001. *RCRA Corrective Action Stabilization Report*, March, 16 2001.

Environmental Data Resources, 2007, *EDR Radius Report, MacDermid Inc., 526 Huntingdon Avenue, Waterbury, CT 06708*. November 27 2007.

EXPOSURE ASSESSMENT

In order for there to be a potential for ecological risks to occur at a site, there must be a potential for stressors, in this case chemicals, to be present where ecological receptors could come in contact with them. After reviewing the previous pages on Facility Information and Habitat Documentation, plus additional facility information as necessary, please answer the following questions in order to determine if ecological

receptors are known or could reasonably be expected to be exposed to contaminants at or from the facility. If any contaminant concentration data showing non-detect results are used to conclude that an environmental medium is not contaminated, please consult an ecological risk assessor to confirm that analytical methods used were adequate to detect contaminants at concentrations below levels of concern for ecological receptors.

Surface Water Bodies

Sediments

1 a. Is sediment in surface water bodies known or reasonably expected to be contaminated due to releases at or from the facility? Releases from a facility may include but are not limited to: point source discharges, run-off from contaminated soil, groundwater migration, erosion, filling or aerial deposition resulting from air emissions. Note: If sediment samples are taken adjacent to or downstream of the site, collection should take place in depositional areas present.

Yes X (Complete the remaining questions in this checklist and circle "Yes" in Surface Water Body Finding under the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below.)
No__ (Proceed to question 1b.)

Surface Water

1b. Is surface water known or reasonably expected to be contaminated due to releases at or from the facility? Releases from a facility may include but are not limited to: point source discharges, run-off from contaminated soil, discharge of contaminated groundwater, groundwater migration or aerial deposition resulting from air emissions. (Note: for surface water, dissolved metal data, from analysis of filtered water samples, is a better indicator of exposure than total metal data).

Yes__(Complete the remaining questions in this checklist and circle "Yes" in Surface Water Body Finding under the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below.)
No X_ (Proceed to question 1c.)

Groundwater

1 c. For groundwater discharging to surface water, is groundwater, at the point of discharge to the surface water body, known or reasonably suspected to be contaminated due to releases at or from the facility?

Yes__ (Complete the Surface Water Bodies Rationale and References section and the remaining questions in this checklist. Then, circle "Yes" in the Surface Water Body Finding under the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below.)
No X (Complete the Surface Water Bodies Rationale and References section directly below, then proceed to the Surface Soil Section below.)

Surface Water Bodies Rationale and References: (Please attach additional pages as necessary to summarize the rationale for the answers provided in the "Surface Water Bodies" section above. Please clearly reference the document name and date as well as the page, table or figure number where any data considered in answering the above questions can be found.)

The 2000 CTDEP Total Maximum Daily Loading (TMDL) analysis concludes there are significant sources of copper to Steele Brook from the Sherwood Medical facility and the Watertown Fire District Publically-Owned Treatment Works (POTW). Both are upstream from MacDermid.

The industrial discharge from MacDermid was eliminated approximately 12 years ago. The only active discharge from the facility is storm water runoff. A CTDEP General Permit and the subsequent monitoring requirements show that as of 2009 runoff from MacDermid to Steele Brook is within permit limits.

In addition to the above, there are several other industrial facilities along East Aurora and Tubing Street and downstream from MacDermid where drainage flows into Steele Brook. These facilities include a large scrap metal recycling facility. No specific information regarding discharges from these other facilities was available for this assessment. However, they pose a potential ecological risk for impacts to Steele Brook.

The 1994 Copper Etchant Release reports (HRP 2001; LEA, 2005), describes the circumstances and mitigation relative to a release of copper etchant material into a storm water catch basin on the MacDermid site. The stormwater system from the site discharges to Steele Brook. Immediate action was taken in the form of CTDEP supervising the removal of approximately 30,000-gallons of water and copper etchant from Steele Brook. Following the removal of contaminated water from the Steele Brook, HRP collected eighteen sediment samples from Steele Brook and the Naugatuck River, including two upstream of the discharge into Steele Brook. The sediment samples were analyzed for copper, nickel, lead, and zinc.

The results of the assessment indicated that concentrations of copper were generally highest at the point of discharge into Steele Brook with declining concentrations further downstream. Two exceptions were noted in the concentrations of nickel and zinc, which were reported at higher concentrations in background sediment samples collected upstream in the Naugatuck River versus at the point of the release. The CTDEP concluded the release had been effectively mitigated and no further action was required of MacDermid.

The Loureiro Engineering Associates, Inc. (LEA) *Documentation of Environmental Indicator Determination (CA715) Current Human Exposures Under Control* (2005) indicates that "although 1994 data suggests this medium may be contaminated, a complete exposure pathway is not present due to access limitations." However, for consideration of ecological risk, lack of human exposure pathways are not a reasonable endpoint according to EPA guidance. Ecological pathways may exist for potentially contaminated sediments. However the source of any sediment impacts to Steele Brook could be from any one of several sources, as discussed above.

Surface water of Steele Brook has the potential to be impacted by the potential migration of remaining contaminants in MacDermid's storm water system during rain events. These pathways are monitored on a regular basis as part of MacDermid's General Permit for storm water management. The last sampling event, September 3, 2009, showed no impacts water quality impacts above permit limits. Active industrial discharges from the MacDermid facility were eliminated approximately 12 years ago.

Surface water of the Naugatuck River is not expected to be impacted through the migration of impacted groundwater to the river. Assessment of the current groundwater conditions and historical groundwater sampling events show that potential migration of contaminated groundwater is under control (GEI, July, 2008). Documentation of Environmental Indicator Determination (LEA, 2005, pg. 13) identified that levels of tetrachloroethylene (PCE) above the Surface Water Protection Criteria tabulated in CTDEP Remediation Standard Regulations (RSRs) were detected in a downgradient wells (MW-115 in particular). LEA calculated an alternative SWPC criterion for human health indicating the levels of PCE potentially entering the Naugatuck River would not pose a threat to receptors.

References:

CTDEP.2000. *Total Maximum Daily Loading Analysis for Steel Brook, State of Connecticut Department of Environmental Protection*, 2000.

CTDEP.2002. *Connecticut Water Quality Standards, State of Connecticut Department of Environmental Protection. (Appendix D).*

Environmental Data Resources, 2007, *EDR Radius Report, MacDermid Inc., 526 Huntingdon Avenue, Waterbury, CT 06708*. November 27 2007.

GEI, 2008. *Site Characterization Work Plan MacDermid Incorporated*. April 2008.

GEI.2008 (b). *Groundwater Monitoring Report MacDermid, Inc.* July 2008.

GEI.2009. *Site Characterization Report MacDermid Incorporated*. September 2009.

HRP.1994. *Steele Brook/Naugatuck River Sediment Sampling*, November 1994.

HRP.2001. *RCRA Corrective Action Stabilization Report*, March, 16 2001.

LEA. 2005. *Documentation of Environmental Indicator Determination*, LEA, February 1, 2005

MacDermid.2008. *Annual Stormwater Monitoring Results. Permit No. GSI000386.* November 3. 2008.

Surface Soil

2 a. Is surface soil (found at depths of 2 feet or less from the surface) known or reasonably expected to be contaminated due to releases at or from the facility?

Yes X **(**Proceed to question 2 b.)
No__ (Complete the Surface Soil Rationale and References section and the remaining questions in this checklist, then circle "No" under Surface Soil Finding in the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below.)

2 b. Is all contaminated surface soil covered with buildings, pavement or other physical barriers that prevent plants or wildlife from being exposed to contaminants and that prevent migration of soil contamination into groundwater that could affect a surface water body?

Yes__ (Proceed to question 2 c.)
No X (Complete the Surface Soil Rationale and References section below and the remaining questions in this checklist, then circle "Yes" under Surface Soil Finding in the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below.)

2 c. Is an institutional control in place to ensure the maintenance of the barriers described above so that receptors will not be exposed to contaminated soil (i.e., ensuring that soil will not be exposed as a result of excavation, demolition or other activities and that pavement or other physical barriers will be maintained in good condition and that if soil is exposed, appropriate measures will be taken to address any ecological risks).

Yes__ (After completing the Surface Soil Rationale and References section below and the remaining questions in this checklist, circle "No" under Surface Soil Finding in the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below.)
No X (After completing the Surface Soil Rationale and References section below, and the remaining questions in this checklist, circle "Yes" **under** Surface Soil Finding in the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below.)

Surface Soil Rationale and References: (Please attach additional pages, as necessary, summarizing the rationale for the answers above. Please clearly reference the document name and date as well as the page, table or figure number where any data considered in answering the above questions can be found.)

Impacted soils from historical operations (circa late 1970's) are managed at AOC-A in the North parcel under an asphalt cap. Additionally there are several uncapped piles of soil and debris. A TRC report (TRC, 1993) identified the area had been used for the disposal of approximately 1,000 cubic yards of soil potentially impacted by residual metal hydroxide sludge excavated from the closed waste lagoons (AOC-E1). However, recent data from GEI's 2009 site assessment suggests that any sludge co-located with the soil at AOC-A, was minimal and materials observed under the cap appear to be primarily soil. In consideration of the fact that MacDermid did not conduct electroplating, the MOH sludge managed in the lagoons and any residual that may have been comingled with the impacted soils managed in AOC-A would not be a listed F006 sludge.

The Huntingdon Avenue facility is made up primarily of industrial buildings, pavement, and a small section of grass on the southwestern portion of the lot, which is fenced-in (engineering controls) around the entire perimeter. The previous surface soil checklist, if completed for the Huntingdon Avenue facility independently, would result in a "No" response for surface soil finding because institutional controls are in place. In this facility, contaminated surface soil is covered with buildings, pavement, or other physical barriers that prevent plants or wildlife from being exposed to contaminants preventing migration of soil contamination into groundwater affecting a surface water body.

Surface soils at AOC-A have been assessed and analytical results show impacts to soils above the CTDEP remediation standard regulations. A remediation plan that considers removal or institutional controls for these impacted soils will be prepared as part of the site Stewardship Permit. Once the remediation plan is implemented the impacted surface soil will no longer require further evaluation of risks to ecological receptors.

References:

Environmental Data Resources, 2007, *EDR Radius Report, MacDermid Inc., 526 Huntingdon Avenue, Waterbury, CT 06708*. November 27 2007.

GEI, 2008. *Site Characterization Work Plan MacDermid Incorporated*. April 2008.

HRP.2001. *RCRA Corrective Action Stabilization Report*, March, 16 2001.

LEA. 2005. *Documentation of Environmental Indicator Determination*, LEA, February 1, 2005

Subsurface Soil

3 a. Is subsurface soil (found at depths greater than 2 feet from the surface) known or reasonably expected to be contaminated due to releases at or from the facility?

Yes X (Proceed to question 3 b.)
No__ (Skip to the Subsurface Soil Rationale and References section. Then complete the remaining questions in this checklist and circle "No" under Subsurface Soil Finding in the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below.)

3 b. Are the contaminated subsurface soils located in a setting where they could be exposed by erosion or that subsurface soil contaminants could be mobilized and transported via groundwater to a surface water body?

Yes__ (After completing the Subsurface Soil Rationale and References Section and the remaining questions in this checklist, circle "Yes" under Subsurface Soil Finding under the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below).

No, engineering controls are in place. X (Proceed to question 3c)

3 c. Is an institutional control in place to ensure that contaminated soil will not be brought to the surface, as a result of excavation, demolition or other activities and, if applicable, to ensure that engineering controls are maintained and that if contaminated soil is exposed, appropriate measures will be taken to address ecological risk?

Yes_X (After completing the Subsurface Soil Rationale and References Section and the remaining questions in this checklist, circle "No" under Subsurface Soil Finding under the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below.)
No__ (After completing the Subsurface Soil Rationale and References Section and the remaining questions in this checklist, circle "Yes" under Subsurface Soil Finding under the PRELIMINARY ECOLOGICAL RISK EVALUATION Section below.)

Subsurface Soil Rationale and References: (Please attach additional pages, as necessary, summarizing the rationale for the answers above. Please clearly reference the document name and date as well as the page, table or figure number where any data considered in answering the above questions can be found.)

For complete overview of potential sub-surface soil impacts, as well as controls set to prevent the potential for mobilization or transport of contaminated sub-surface

soil please refer to the GEI's Site Characterization Work Plan MacDermid Incorporated,February 2008 and GEI's Site Characterization Report, September 2009.

Sub-surface soil that is in any way exposed come under a number of engineering controls, controlling and preventing the potential for complete ecological pathways. Currently these controls are the work plan and attendant health and safety plans approved for the facility investigation. It is anticipated that the engineering controls for the investigation will be replaced with those recommended in a remediation plan as required by the Stewardship Permit.

References:

Environmental Data Resources, 2007, *EDR Radius Report, MacDermid Inc., 526 Huntingdon Avenue, Waterbury, CT 06708*. November 27 2007.

GEI, 2008. *Site Characterization Work Plan MacDermid Incorporated*. April 2008.

GEI.2009. *Site Characterization Report MacDermid Incorporated*. September 2009.

HRP.2001. *RCRA Corrective Action Stabilization Report*, March, 16 2001.

LEA. 2005. *Documentation of Environmental Indicator Determination*, LEA, February 1, 2005

PRELIMINARY ECOLOGICAL RISK EVALUATION

Surface Water Body Finding:
Based on the information provided above, is further evaluation of risks to ecological receptors from contaminants in surface water or sediments of surface water bodies necessary?

Yes X (Check "Yes" if the response to any of the questions above regarding Surface Water Bodies is "Yes")

No__ (Check "No" if the response to all of the questions above (1a, 1b, and 1c) regarding Surface Water Bodies is "No")

Surface Soil Finding:
Based on the information provided above, is further evaluation of risks to ecological receptors from contaminants in surface soil necessary?

Yes X

No__

Subsurface Soil Finding: Based on the information provided above, is further evaluation of risks to ecological receptors from contaminants in subsurface soil necessary?

Yes __

No X

Based on the information provided on the preceding pages, check the appropriate response:

_____ The answer was "No" for all three of the findings in this checklist (i.e., the Surface Water Body Finding, the Surface Soil Finding and the Subsurface Soil Finding). Therefore, based on the data considered in this checklist, ecological exposure to contaminants at or from the _____ _____facility , EPA ID # _____ , located at (street address)_____in (town and state) is not reasonably expected and further ecological risk assessment does not appear necessary.
Note: Releases from the facility must be adequately characterized, in accordance with EPA guidance, in order to make this determination. This checklist should be revisited if new information, that would alter the checklist findings, becomes available. In addition, the finding that ecological exposure to facility contaminants is not expected is not considered final until a site-wide remedy decision made by EPA or a state environmental agency authorized for RCRA Corrective Action results in the termination of interim status of a facility or satisfaction with the conditions of a hazardous waste operating or post-closure permit.

__X__ **The answer was "Yes" for any of the findings in this checklist (i.e., the Surface Water Body Finding, the Surface Soil Finding and the Subsurface Soil Finding). Therefore, further evaluation of ecological risk is recommended for the ___MacDermid Inc._ facility, EPA ID #____ CTD001164599 , located at (street address) _526 Huntingdon Avenue_ in (town and state)__Waterbury, Connecticut.**

Any potential ecological risk remaining at the MacDermid facility will be addressed in the continuing remedial investigations and remedial actions required under the Stewardship Permit.

An EPA or state ecological risk assessor should be involved as early as possible in planning the facility investigation. This checklist can be provided to the ecological risk assessor to focus the ecological risk assessment on the potential exposure pathways.

Completed by: (signature)_____
Date _____
(printed name)_____
(title)_____

Appendix B

2008 Stormwater Sampling Results and Discharge Monitoring Report

MacDermid

November 3, 2008

Water Toxics Program Coordinator
Bureau of Water Management
Department of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

FILED
BLUE292

ANNUAL STORMWATER MONITORING RESULTS, PERMIT #GSI000386

Dear Program Coordinator:

Enclosed please find the Stormwater Monitoring Report Form for MacDermid, Incorporated's most recent stormwater sampling which was conducted on September 3, 2008 at our Huntingdon Avenue facility.

Also enclosed please find a copy of the Huntingdon Avenue Stormwater Pollution Prevention Plan which was recently updated.

If you have any questions or require any additional information please contact me at 203-575-5747.

Sincerely,

Richard A. Nave

Richard A. Nave, CHMM
Corporate Manager, Environment, Health & Safety
MacDermid, Inc.

245 Freight Street
Waterbury, CT 06702

Phone 203-575-5747
Fax 203-575-7970
www.macdermid.com

General Permit for the Discharge of Stormwater Associated with Industrial Activities

Stormwater Monitoring Report Form

Facility Information

Name (owner, operator): **MacDermid Incorporated**

Mailing Address: **245 Freight Street, Waterbury, CT 06702**

Business Phone: **203-575-5700** ext. Fax: **203-575-7970**

Contact Person: **Richard Nave** Title: **Corporate EH&S Manager**

Site Address: **526 Huntingdon Avenue, Waterbury, CT 06708**

Receiving Water (name, basin): **Naugatuck River, Naugatuck River Basin**

Stormwater G.P. Registration # *GSI* **000386** SIC Code: **2899**

Check this box if the number of employees is 25 or less, or if operated by a municipality: ☐

Sampling Information

Sample Location: **AEL 08007082 - stormwater outfall 002**

Collected: Date: **9/03/08** Time: **18:20**

Person Collecting Sample: **Guy Racino, CHMM - Loureiro Engineering Associates**

Storm Magnitude (inches): **0.63** Storm Duration (hours): **0.75**

Date of Previous Storm Event: **8/30/08** Rainfall pH: **6.0 S.U.**

Monitoring Results

Parameter	Method	Results (units)	Laboratory
Oil & Grease	EPA 1664	<1.9 mg/L	Averill Environmental
pH	SM19 4500H+B	6.0 units	Averill Environmental
COD	EPA 410.4	23 mg/L	Averill Environmental
TSS	SM19 2540D	18.0 mg/L	Averill Environmental
TP	SM19 4500PE	0.040 mg/L	Averill Environmental
TKN	SM194500NH3F	1.5 mg/L	Averill Environmental
NO_3-N	EPA 300.1	0.42 mg/L	Averill Environmental
Total Copper	EPA 200.7	0.015 mg/L	Averill Environmental
Total Zinc	EPA 200.7	0.053 mg/L	Averill Environmental
Total Lead	EPA 200.9	<0.0082 mg/L	Averill Environmental
24-Hour LC_{50}	EPA821R02012	>100%	GZA GeoEnvironmental, Inc.
48-Hour LC_{50}	EPA821R02012	89.1%	GZA GeoEnvironmental, Inc.

Attach separate page(s) to report additional parameters monitored pursuant to Part VI.C.1.a of the general permit.

Statement of Acknowledgment

"I certify that the data reported on this document were prepared under my direction or supervision in accordance with the Stormwater General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete."

Richard Nave
Name of Authorized Facility Official (print or type)

Corporate EH&S Manager
Title (if applicable)

Richard Nave
Signature of Authorized Facility Official

10/27/08
Date

Stormwater Acute Toxicity Test Data Sheet

Sample Source: **AEL 08007082**

Begin: Date: **9/04/08** Time: **15:20**

End: Date: **9/06/08** Time: **15:20**

Sample Hardness: **8 mg/L** Sample Conductivity: **31 uS**

Dilution Water Hardness: **48 mg/L**

Test Species: *Daphnia pulex* < 24 hours old

Effluent Dilution	Number of Organisms Surviving			Dissolved Oxygen (mg/L)			Temperature (°C)			pH (su)		
	Hour			Hour			Hour			Hour		
	00	24	48	00	24	48	00	24	48	00	24	48
Control 1	5	5	5	8.0	8.2	7.9	21	20	20	7.7	7.6	7.6
Control 2	5	5	5	8.0	8.2	7.9	21	20	20	7.7	7.6	7.6
Control 3	5	5	5	8.0	8.2	7.9	21	20	20	7.7	7.6	7.6
Control 4	5	5	5	8.0	8.2	7.9	21	20	20	7.7	7.6	7.6
6.25% A	5	5	5	7.9	7.7	8.6	21	20	20	7.3	7.5	7.6
6.25% B	5	5	5	7.9	7.7	8.6	21	20	20	7.3	7.5	7.6
6.25% C	5	5	5	7.9	7.7	8.6	21	20	20	7.3	7.5	7.6
6.25% D	5	5	5	7.9	7.7	8.6	21	20	20	7.3	7.5	7.6
12.5% A	5	5	5	8.0	7.9	7.9	21	20	20	7.6	7.6	7.6
12.5% B	5	5	5	8.0	7.9	7.9	21	20	20	7.6	7.6	7.6
12.5% C	5	5	5	8.0	7.9	7.9	21	20	20	7.6	7.6	7.6
12.5% D	5	5	5	8.0	7.9	7.9	21	20	20	7.6	7.6	7.6
25% A	5	5	5	8.2	8.0	7.7	21	20	20	7.5	7.5	7.6
25% B	5	5	5	8.2	8.0	7.7	21	20	20	7.5	7.5	7.6
25% C	5	5	5	8.2	8.0	7.7	21	20	20	7.5	7.5	7.6
25% D	5	5	5	8.2	8.0	7.7	21	20	20	7.5	7.5	7.6
50% A	5	5	5	8.3	7.9	8.1	21	20	20	7.4	7.5	7.5
50% B	5	5	5	8.3	7.9	8.1	21	20	20	7.4	7.5	7.5
50% C	5	5	5	8.3	7.9	8.1	21	20	20	7.4	7.5	7.5
50% D	5	5	5	8.3	7.9	8.1	21	20	20	7.4	7.5	7.5
100% A	5	3	2	8.7	7.9	7.6	21	20	20	6.2	7.1	7.1
100% B	5	4	3	8.7	7.9	7.6	21	20	20	6.2	7.1	7.1
100% C	5	1	1	8.7	7.9	7.6	21	20	20	6.2	7.1	7.1
100% D	5	2	2	8.7	7.9	7.6	21	20	20	6.2	7.1	7.1

Reference Toxicant Results

Test Species	Date	Reference Toxicant	Source	LC_{50}
Daphnia pulex	9/05/08	CuNO3 # 01-08	GZA	2.077 ppb

Please send completed form to:

WATER TOXICS PROGRAM COORDINATOR
BUREAU OF WATER MANAGEMENT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

GZA
GeoEnvironmental, Inc.

Engineers and Scientists

Stormwater Monitoring Report (SMR) Instruction Form (Aquatic Toxicity):

Client Name/Project: Averill /SW Test Date: 9/4/08

Sample ID: AFL08007082

Your results were as follows:

☒ Met Performance Criteria (i.e. 48 hour LC50 was equal to or above ≥ 50% permit guideline)

□ Did Not meet Performance Criteria (i.e. 48 hour LC50 was below the ≥ 50% permit guideline)

□ Invalid – _____

120 Mountain Avenue
Bloomfield
Connecticut
06002
860-286-8900
FAX 860-243-9055
www.gza.com

Please complete the items on this bulleted list prior to submission of these data to the CTDEP:

- Complete the "Facility Information" section on page one of the SMR. Don't forget to check the box at the bottom of the section if your facility has 25 employees or less or is operated by a municipality.

- Complete the "Sampling Information" section on page one of the SMR. If you failed to record them, the storm magnitude and the date of the previous storm event may be found at www.weather.com. Enter your zip code or city name in the box in the center of the screen and select "go". Re-select your city if necessary. Select the "Month" tab in the yellow row of options (far right). Select the month you are interested in by using the "previous month" and "next month" options at the top of the calendar. The bottom entry in the square for each date is the precipitation in inches in that city on that date. An alternative is to use the National Weather Service website at http://www.erh.noaa.gov/box/dailystns.shtml. Select the month and year that you are interested in and the Connecticut town closest to your facility and then hit the "get data" button. The dates are in the column at the far left and the rainfall amounts are found in the TPcpn (Total precipitation) column approximately at the center of the page.

- Complete the "Monitoring Results" section on page one of the SMR. Don't forget to include the units in the results section (e.g. 0.1 mg/L).

- An authorized official from your facility must sign the "Statement of Acknowledgment" section at the bottom of page one of the SMR.

Please detach this instruction form and the Chain-of-Custody and keep for your records. Within 90 days of your sample collection date (but no later than December 31st of the monitoring year), file the completed 2-page form as follows:

- The completed 2-page SMR must be sent to the Bureau of Water Management at the following address:

  Water Toxics Program Coordinator
  Connecticut Department of Environmental Protection
  Bureau of Water Management
  79 Elm St.
  Hartford, CT 06106-5127

Questions? Please contact Kim Wills, Lab Supervisor at (860) 286-8900 or kimberly.wills@gza.com

An Equal Opportunity Employer M/F/V/H

MACDERMID, INCORPORATED
526 Huntingdon Avenue
Waterbury, Connecticut

STORM WATER FIELD DATA FORM

Sample Collector : Guy Racino

Air Temperature: 74 °F

Sample Date: 3-Sep-08

Rainfall pH: 6.0 S.U.

Beginning Time of Rain Event 5:55 [ ] am [X] pm
(Time at which 0.01 inches of rain has fallen):

End of Rainfall Event 6:40 [ ] am [X] pm

Total rainfall to the nearest 0.01 inch 0.63
(From Rain Gauge)

Date/Time of Last Measurable Storm Event 30-Aug-08 2:00 A.M.
(Measurable event must be greater than 0.10" of total rainfall)

Duration Between Storm Events 112 hours
(Must be greater than 72 hours)

Time Discharge 002 Began 6:10 [ ] am [X] pm

Time Discharge 002 Was Sampled 6:20 [ ] am [X] pm
(Should be within 30 minutes from the beginning of the rain event)

Additional Comments:

Sampler Signature

AVERILL
ENVIRONMENTAL LABORATORY INC.

100 Northwest Drive
Plainville, Connecticut 06062

Tel: 860-747-0676
CT: 1-800-870-7904

CHAIN-OF-CUSTODY RECORD

№ 48831

PROJECT NAME: GZA

PROJECT LOCATION:

PROJECT NUMBER:

REPORT TO: ~~AAI~~ AEL

INVOICE TO: AEL

Source Codes: W = Well, O = Outfall, RO = Run Off, R = River/Stream, B = Bottom Sediment, MW = Monitoring Well, S = Soil, SG = Sludge, LF = Landfill, L = Lake/Ocean, T = Treatment Facility, X = Other, Specify Stormwater

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV.	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
1	AEL0800 7082	X	1	P	1l	I	Aquatic Toxicity	collected 9/3/08 17:55				

Container Code: P = Plastic, E = EPA VIAL, C = Cube, G = Glass, A = Amber Glass, B = Bacteria Bottle
Preservative Code: I = Iced, F = Filtered, N = Nitric Acid (HNO_3), H - Hydrochloric Acid (HCl), R = Sodium Hydroxide (NaOH), T = Sodium Thiosulfate, S = Sulfuric Acid (H_2SO_4)
O = Other, *Specify*

Sampler's Signature	Affiliation	Date	Time

ADDITIONAL COMMENTS:

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	1	[illegible]	[illegible]	9/4/08	3:15pm
2					
3					
4					

AVERILL
ENVIRONMENTAL LABORATORY INC.

100 Northwest Drive
Plainville, Connecticut 06062

Tel: 860-747-0676
CT: 1-800-870-7904

CHAIN-OF-CUSTODY RECORD

№ 48828

PROJECT NAME: MacDermid, Inc

PROJECT LOCATION: 526 Huntingdon Ave Waterbury, CT

PROJECT NUMBER: 91MH801

REPORT TO: Guy Racino

INVOICE TO: LEA

Source Codes: W = Well, O = Outfall, RO = Run Off, R = River/Stream, B = Bottom Sediment, MW = Monitoring Well, S = Soil, SG = Sludge, LF = Landfill, L = Lake/Ocean, T = Treatment Facility, X = Other, Specify

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV.	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
1	1104506	RO	1	P	½ gal	–	Industrial Stormwater parameters	7082	✓			
2		RO	1	G	QT	S			✓			
3		RO	1	G	l	S			✓			
4		RO	1	P	250 ml	N			✓			
5		RO	1	P	L	–			✓			
6	Rain water	X	1	P	500 ml	–	pH		✓			

Container Code: P = Plastic, E = EPA VIAL, C = Cube, G = Glass, A = Amber Glass, B = Bacteria Bottle

Preservative Code: I = Iced, F = Filtered, N = Nitric Acid (HNO_3), H - Hydrochloric Acid (HCl), R = Sodium Hydroxide (NaOH), T = Sodium Thiosulfate, S = Sulfuric Acid (H_2SO_4), O = Other, Specify

Sampler's Signature	Affiliation	Date	Time
[signature]	LEA	9/3/08	1755

ADDITIONAL COMMENTS:

Collected 9/3/2008 @ 17:55

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	1-6	[signature]	[signature]	9/4/08	935
2	1-6	[signature]	Fedex	9/4/08	945
3					
4					

AVERILL ENVIRONMENTAL LABORATORY, INC.

CT Laboratory ID No. PH-0513
MA Laboratory ID No. M-CT0513
NY Laboratory ID No. 11599

100 Northwest Drive, Plainville, Connecticut 06062
(860) 747-0676 Fax: (860) 747-9264 CT ONLY 1-(800) 870-7904
Lawton S. Averill - Director Alan G. Jacobs - Co-Director

NH Laboratory ID No. 2506
ME Laboratory ID No. CT029
EPA Laboratory ID No. CT00029

REPORT ON LABORATORY EXAMINATIONS

To Client: Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062

Report No: AEL08R-3071.0
Report Date: Tuesday, September 16, 2008
ATTN: Guy Racino
Collected By: LEA
Project#: 91MH801

Source: Macdermid, Inc., Waterbury, CT
Sample ID: Stormwater Discharge Sample
AEL Lab#: AEL08007082 **Client Sample ID#:** 1104506

Sample Matrix: Wastewater
Collect Date: 9/3/2008
Collect Time: 17:55
Received Date: 9/4/2008

Test	Result	Units	Analyst	Analysis Date	Analysis Method
Total Suspended Solids	18.0	mg/L	CC	9/9/2008	SM19 2540D
Nitrate Nitrogen as N	0.42	mg/L	CC	9/4/2008	EPA 300.1
pH of Rain	6.0	units	JF	9/4/2008	sm19 4500H+B
pH	6.0	units	JF	9/4/2008	SM19 4500H+B
Chemical Oxygen Demand	23	mg/L	JF	9/10/2008	EPA 410.4
Phosphorus, Total	0.040	mg/L as P	JS	9/10/1983	SM19 4500PE
Total Kjeldahl Nitrogen	1.5	mg/L	CC	9/9/2008	SM194500NH3F
Lead	0.0082	mg/L	JM	9/12/2008	EPA 200.9
Copper	0.015	mg/L	JM	9/11/2008	EPA 200.7
Zinc	0.053	mg/L	JM	9/15/2008	EPA 200.7
Oil & Grease, Hexane Ext. Material	< 1.9	mg/L	RB	9/11/2008	1664

(agj)

Laboratory Director

General Permit for the Discharge of Stormwater Associated with Industrial Activity

Stormwater Monitoring Report Form

FACILITY INFORMATION

Name (owner, operator) _____

Mailing Address _____

Business Phone _____ ext.: _____ Fax: _____

Contact Person _____ Title: _____

Site Address _____

Receiving Water (name, basin) _____

Stormwater G.P. Registration # GSI _____ SIC Code _____

Check this box if number of employees is 25 or less, or if operated by a municipality: ☐

SAMPLING INFORMATION

Sample Location AEL 08007082

Date/Time Collected 9/3/08 17:55

Person Collecting Sample _____

Storm Magnitude (inches) _____ Storm Duration (hours) _____

Date of Previous Storm Event _____ Rainfall pH _____

MONITORING RESULTS

Parameter	Method	Results (units)	Laboratory
Oil & Grease	EPA 1664	<1.9 mg/L	Averill Environmental
pH	SM19 4500H+B	6.0 units	
COD	EPA 410.4	23 mg/L	
TSS	SM19 2540D	18.0 mg/L	
TP	SM19 4500PE	0.040 mg/L	
TKN	SM19 4500N43F	1.5 mg/L	
NO_3-N	EPA 300.1	0.42 mg/L	
Total Copper	EPA 200.7	0.015 mg/L	
Total Zinc	EPA 200.7	0.053 mg/L	
Total Lead	EPA 200.9	0.0082 mg/L	
24 Hr. LC_{50}	EPA-821-R-02-012	>100%	GZA GeoEnvironmental, Inc.
48 Hr. LC_{50}	EPA-821-R-02-012	89.1%	GZA GeoEnvironmental, Inc.

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the Stormwater General Permit. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Authorized Official: _____

Signature: _____ Date: _____

STORMWATER ACUTE TOXICITY TEST DATA SHEET

Sample Source: AEL 08007082	
Date/Time Begin: 9/4/08 3:20 p.m.	**Date/Time End**: 9/6/08 3:20 p.m.
Sample Hardness (mg/L): 8	**Sample Conductivity (µS)** : 31
Test Species: *Daphnia pulex* < 24 hrs old	**Dilution Water Hardness (mg/L)**: 48

Effluent Dilution	Number of Organisms Surviving			Dissolved Oxygen (mg/L)			Temperature (°C)			pH (su)		
Hour	00	24	48	00	24	48	00	24	48	00	24	48
CONTROL 1	5	5	5	8.0	8.2	7.9	21	20	20	7.7	7.6	7.6
CONTROL 2	5	5	5	8.0	8.2	7.9	21	20	20	7.7	7.6	7.6
CONTROL 3	5	5	5	8.0	8.2	7.9	21	20	20	7.7	7.6	7.6
CONTROL 4	5	5	5	8.0	8.2	7.9	21	20	20	7.7	7.6	7.6
6.25% A	5	5	5	7.9	7.7	8.6	21	20	20	7.3	7.5	7.6
6.25% B	5	5	5	7.9	7.7	8.6	21	20	20	7.3	7.5	7.6
6.25% C	5	5	5	7.9	7.7	8.6	21	20	20	7.3	7.5	7.6
6.25% D	5	5	5	7.9	7.7	8.6	21	20	20	7.3	7.5	7.6
12.5% A	5	5	5	8.0	7.9	7.9	21	20	20	7.6	7.6	7.6
12.5% B	5	5	5	8.0	7.9	7.9	21	20	20	7.6	7.6	7.6
12.5% C	5	5	5	8.0	7.9	7.9	21	20	20	7.6	7.6	7.6
12.5% D	5	5	5	8.0	7.9	7.9	21	20	20	7.6	7.6	7.6
25% A	5	5	5	8.2	8.0	7.7	21	20	20	7.5	7.5	7.6
25% B	5	5	5	8.2	8.0	7.7	21	20	20	7.5	7.5	7.6
25% C	5	5	5	8.2	8.0	7.7	21	20	20	7.5	7.5	7.6
25% D	5	5	5	8.2	8.0	7.7	21	20	20	7.5	7.5	7.6
50% A	5	5	5	8.3	7.9	8.1	21	20	20	7.4	7.5	7.5
50% B	5	5	5	8.3	7.9	8.1	21	20	20	7.4	7.5	7.5
50% C	5	5	5	8.3	7.9	8.1	21	20	20	7.4	7.5	7.5
50% D	5	5	5	8.3	7.9	8.1	21	20	20	7.4	7.5	7.5
100% A	5	3	2	8.7	7.9	7.6	21	20	20	6.2	7.1	7.1
100% B	5	4	3	8.7	7.9	7.6	21	20	20	6.2	7.1	7.1
100% C	5	1	1	8.7	7.9	7.6	21	20	20	6.2	7.1	7.1
100% D	5	2	2	8.7	7.9	7.6	21	20	20	6.2	7.1	7.1

REFERENCE TOXICANT RESULTS

Test Species	Date	Reference Toxicant	Source	LC50
Daphnia pulex	9/5/08	$CuNO_3$ # 01-08	GZA	2.077 ppb

Please send completed form to: WATER TOXICS PROGRAM COORDINATOR
CT DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER MANAGEMENT
79 ELM STREET
HARTFORD, CT 06106-5127

AVERILL
ENVIRONMENTAL LABORATORY INC.

100 Northwest Drive
Plainville, Connecticut 06062

Tel: 860-747-0676
CT: 1-800-870-7904

CHAIN-OF-CUSTODY RECORD

NO. 48828

PROJECT NAME: MacDermid, Inc

PROJECT LOCATION: 526 Huntingdon Ave Waterbury, CT

PROJECT NUMBER: 91MH801

REPORT TO: Guy Racino

INVOICE TO: LEA

Source Codes: W = Well, O = Outfall, RO = Run Off, R = River/Stream, B = Bottom Sediment, MW = Monitoring Well, S = Soil, SG = Sludge, LF = Landfill, L = Lake/Ocean, T = Treatment Facility, X = Other, Specify

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV.	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
1	1104506	RO	1	P	½ gal	-	Industrial Stormwater parameters		✓			
2		RO	1	G	[illegible]	[illegible]			✓			
3		RO	1	G	[illegible]	[illegible]			✓			
4		RO	1	P	250 ml	N			✓			
5		RO	1	P	[illegible]	-			✓			
6	Rinsewater	X	1	P	[illegible]	-	pH		✓			

Container Code: P = Plastic, E = EPA VIAL, C = Cube, G = Glass, A = Amber Glass, B = Bacteria Bottle

Preservative Code: I = Iced, F = Filtered, N = Nitric Acid (HNO_3), H - Hydrochloric Acid (HCl), R = Sodium Hydroxide (NaOH), T = Sodium Thiosulfate, S = Sulfuric Acid (H_2SO_4)

O = Other, *Specify*

Sampler's Signature	Affiliation	Date	Time
[signature]	LEA	9/3/08	1755

ADDITIONAL COMMENTS:

Collected 9/3/2008 @ 17:55

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	1-6	[signature]	[signature]	9/4/08	[illegible]
2					
3					
4					

Appendix C

Site Photographs

GEI Consultants, Inc.

PHOTOGRAPHIC RECORD

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 1

Photographer: B. Conte

Direction: North

Date: 6/20/09

Description: Example of soil pile characterized during investigation of AOC-A .

GEI Consultants

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 2

Photographer: B. Conte

Direction: North

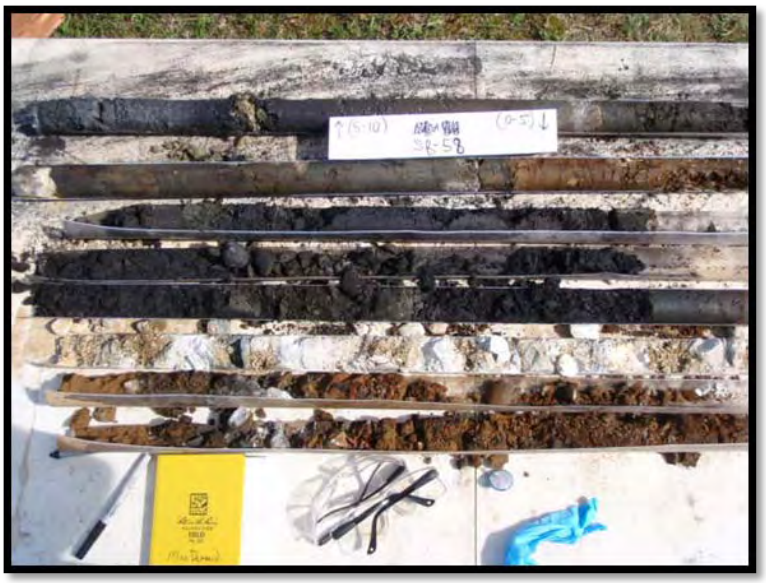
Date: 6/20/09

Description: Example of soil pile characterized during investigation of AOC A .

GEI Consultants

GEI Consultants, Inc.

PHOTOGRAPHIC RECORD



Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 3

Photographer: B. Conte

Direction: Not Applicable

Date: 6/10/09

Description: Darkly stained soil located approximately five feet below ground surface. Soil contained an odor and organic vapors measured by the PID.

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 4

Photographer: B. Conte

Direction: Not Applicable.

Date: 12/10/09

Description: Darkly stained soil located approximately five feet below ground surface. Soil contained an odor and organic vapors measured by the PID.

GEI Consultants, Inc.

PHOTOGRAPHIC RECORD

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 5

Photographer: B. Conte

Direction: North

Date: 6/20/09

Description: Concrete pad for former dry chemical silos AOC-C.

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 6

Photographer: B. Conte

Direction: North

Date: 6/20/09

Description: Concrete pad for former dry chemical silos AOC-C.

GEI Consultants, Inc.

PHOTOGRAPHIC RECORD

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 7

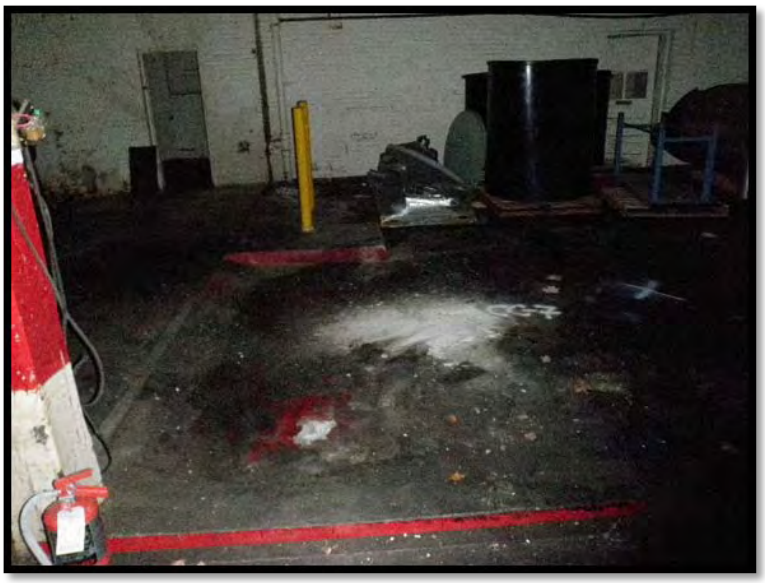
Photographer: B. Conte

Direction: West

Date: 6/20/09

Description: Secondary containment area No. 1 for chemical storage (K-8).

GEI Consultants



Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 8

Photographer: B. Conte

Direction: West

Date: 6/20/09

Description: Secondary containment area No. 2 for chemical storage (K-8).

GEI Consultants

GEI Consultants, Inc.
PHOTOGRAPHIC RECORD

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 9

Photographer: B. Conte

Direction: North

Date: 6/20/09

Description: SB-70 collected within the electroless nickel plating area (AOC K-6).

GEI Consultants

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 10

Photographer: B. Conte

Direction: North

Date: 6/20/09

Description: SB-67 collected within the electroless nickel plating area (AOC-K6)

GEI Consultants

GEI Consultants, Inc.

PHOTOGRAPHIC RECORD

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 11

Photographer: B. Conte

Direction: North

Date: 6/20/09

Description: Competent concrete floors near SB-63 in the one of the former hazardous storage recycling area (AOC-K).

GEI Consultants

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 12

Photographer: B. Conte

Direction: North

Date: 6/20/09

Description: SB-67 collected within the electroless nickel plating area (AOC-K6)

GEI Consultants

GEI Consultants, Inc.

PHOTOGRAPHIC RECORD

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 13

Photographer: B. Conte

Direction: West

Date: 6/20/09

Description: View of AOC-H looking west. The pad and berm is shown in the upper center of the photograph.

GEI Consultants

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 14

Photographer: B. Conte

Direction: West

Date: 6/20/09

Description: View of AOC-H looking west. The pad appears competent and without significant cracks.

GEI Consultants

GEI Consultants, Inc.
PHOTOGRAPHIC RECORD

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 15

Photographer: B. Conte

Direction: West

Date: 6/20/09

Description: AOC-D2 Satellite Storage Area. The concrete chip sample CC-4 is shown with SB-50 located slightly above.

GEI Consultants

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 16

Photographer: B. Conte

Direction: West

Date: 6/20/09

Description: AOC-D2 Satellite Storage Area. The monitoring well SB/MW-53 is shown with evidence of pooling water to the right.

GEI Consultants

GEI Consultants, Inc.

PHOTOGRAPHIC RECORD

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 17

Photographer: B. Conte

Direction: West

Date: 6/20/09

Description: AOC-D2 Satellite Storage Area. The concrete chip sample CC-4 is shown with SB-50 located slightly above.

GEI Consultants

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 18

Photographer: B. Conte

Direction: North

Date: 6/20/09

Description: AOC-E3 Former Copper Etchant Bulk Storage Area. Area has been excavated as part of RCRA closure. SB-43 was collected along eastern wall of excavation.

GEI Consultants

GEI Consultants, Inc.

PHOTOGRAPHIC RECORD

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 19

Photographer: B. Conte

Direction: West

Date: 6/20/09

Description: AOC-E3 boring SB-42 installed inside copper etchant loading and unloading area. Floor drain visible.

GEI Consultants

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 20

Photographer: B. Conte

Direction: West

Date: 6/20/09

AOC-E3 boring SB-42 installed inside copper etchant loading and unloading area. Floor drain visible.

GEI Consultants

GEI Consultants, Inc.

PHOTOGRAPHIC RECORD

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 21

Photographer: B. Conte

Direction: West

Date: Collected during 2008 remediation.

Description: AOC-G removal of concrete flooring in main container storage area as part of RCRA closure.

GEI Consultants

Site: MacDermid, Inc.
526 Huntingdon Avenue,
Waterbury, Connecticut

Photo No. 22

Photographer: B. Conte

Direction: West

Date: 6/20/09

Description: AOC-G concrete floor replacement. Ponded water visible in background is due to leaking roof.

GEI Consultants

Appendix D

Boring Logs

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: Mac DERMID, INC.
PROJECT NAME: MacDERMID, INC.
CITY/STATE: Waterbury, CT
GEI PROJECT NUMBER: 073290-1004

BORING LOG

SB-06

GROUND SURFACE ELEVATION (FT): 314.75 **LOCATION:**
NORTHING: 771740.78 **EASTING:** 916215.81 **TOTAL DEPTH (FT):** 10.00
DRILLED BY: **DATUM VERT. / HORZ.:**
LOGGED BY: **DATE START / END:**
DRILLING DETAILS:
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	SOIL / BEDROCK DESCRIPTION
0						0 - 0.5 ASPHALT.
				0.6		0.5 - 0.8 Brown, sand with some cobbles.
						0.8 - 0.9 Gray, cobble.
				0.8		0.9 - 1.2 Gray, cobble with brown sand and gravel.
						1.2 - 2.7 Moist, dark brown, gravel and sand.
	S			0.8		2.7 - 4.2 Moist, dark brown, sand with gravel.
				0.9		4.2 - 5.6 Moist, dark brown, sand with some gravel.
5						
				0.9		5.6 - 7.1 Wet, dark brown, sand with some gravel.
				0.9		7.1 - 10 Moist, dark brown, sand with some gravel.
10						Bottom of borehole at 10.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: Mac DERMID, INC.
PROJECT NAME: MacDERMID, INC.
CITY/STATE: Waterbury, CT
GEI PROJECT NUMBER: 073290-1004

BORING LOG

SB-07

GROUND SURFACE ELEVATION (FT): 314.97 **LOCATION:**
NORTHING: 771736.95 **EASTING:** 916207.74 **TOTAL DEPTH (FT):** 10.00
DRILLED BY: **DATUM VERT. / HORZ.:**
LOGGED BY: **DATE START / END:**
DRILLING DETAILS:
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	SOIL / BEDROCK DESCRIPTION
0				0.1		0 - 0.5 Dark brown, sand with some gravel.
						0.5 - 1.2 Gray, cobble.
						1.2 - 1.7 Moist, brown, sand with gravel.
						1.7 - 2.2 Cobble.
						2.2 - 2.5 Damp, light brown, sand with gravel.
						2.5 - 10 Wet, light brown, sand with gravel.
5	S	0.5				
10						Bottom of borehole at 10.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
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ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

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SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: Mac DERMID, INC.
PROJECT NAME: MacDERMID, INC.
CITY/STATE: Waterbury, CT
GEI PROJECT NUMBER: 073290-1004

BORING LOG

SB-08

GROUND SURFACE ELEVATION (FT): 314.67 **LOCATION:**
NORTHING: 771735.44 **EASTING:** 916203.72 **TOTAL DEPTH (FT):** 10.00
DRILLED BY: **DATUM VERT. / HORZ.:**
LOGGED BY: **DATE START / END:**
DRILLING DETAILS:
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	STRATA	SOIL / BEDROCK DESCRIPTION
0					0 - 2.8 Dark brown, sand with gravel, some cobble.
					2.8 - 6.3 Cobble.
5					
					6.3 - 7.5 Cobble.
					7.5 - 8.8 Moist, dark brown, sludge.
					8.8 - 10 Wet, dark brown, sludge.
10					Bottom of borehole at 10.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: Mac DERMID, INC.
PROJECT NAME: MacDERMID, INC.
CITY/STATE: Waterbury, CT
GEI PROJECT NUMBER: 073290-1004

BORING LOG

PAGE 1 of 1

SB-10

GROUND SURFACE ELEVATION (FT): 314.69
LOCATION:
NORTHING: 771782.33 **EASTING:** 916206.83
TOTAL DEPTH (FT): 5.00
DRILLED BY:
DATUM VERT. / HORZ.:
LOGGED BY:
DATE START / END:
DRILLING DETAILS:
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	STRATA	SOIL / BEDROCK DESCRIPTION
0					0 - 0.3 ASPHALT.
					0.3 - 1.6 Brown, sand and gravel.
					1.6 - 5 Brown, sand and gravel.
	S	0.5			
5					Bottom of borehole at 5.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: Mac DERMID, INC.
PROJECT NAME: MacDERMID, INC.
CITY/STATE: Waterbury, CT
GEI PROJECT NUMBER: 073290-1004

BORING LOG

SB-11

GROUND SURFACE ELEVATION (FT): 314.69 **LOCATION:**
NORTHING: 771778.4 **EASTING:** 916208.1 **TOTAL DEPTH (FT):** 5.00
DRILLED BY: **DATUM VERT. / HORZ.:**
LOGGED BY: **DATE START / END:**
DRILLING DETAILS:
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	STRATA	SOIL / BEDROCK DESCRIPTION
0					0 - 0.3 ASPHALT. 0.3 - 5 Light brown, sand and gravel.
5					Bottom of borehole at 5.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

GEI Consultants

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: Mac DERMID, INC.
PROJECT NAME: MacDERMID, INC.
CITY/STATE: Waterbury, CT
GEI PROJECT NUMBER: 073290-1004

BORING LOG

SB-12

GROUND SURFACE ELEVATION (FT): 314.85
LOCATION:
NORTHING: 771767.4 **EASTING:** 916212.27
TOTAL DEPTH (FT): 5.00
DRILLED BY:
DATUM VERT. / HORZ.:
LOGGED BY:
DATE START / END:
DRILLING DETAILS:
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	STRATA	SOIL / BEDROCK DESCRIPTION
0					0 - 0.3 ASPHALT.
					0.3 - 2.3 Light brown, sand with gravel.
					2.3 - 5 Light brown, sand with gravel.
	S	1.0			
5					Bottom of borehole at 5.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: Mac DERMID, INC.
PROJECT NAME: MacDERMID, INC.
CITY/STATE: Waterbury, CT
GEI PROJECT NUMBER: 073290-1004

BORING LOG

SB-15

GROUND SURFACE ELEVATION (FT): 314.75 **LOCATION:**
NORTHING: 771739.33 **EASTING:** 916228.92 **TOTAL DEPTH (FT):** 5.00
DRILLED BY: **DATUM VERT. / HORZ.:**
LOGGED BY: **DATE START / END:**
DRILLING DETAILS:
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	STRATA	SOIL / BEDROCK DESCRIPTION
0					0 - 0.3 ASPHALT.
					0.3 - 3.3 Light brown, sand.
					3.3 - 5 Light brown, sand.
	S	1.0			
5					Bottom of borehole at 5.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: Mac DERMID, INC.
PROJECT NAME: MacDERMID, INC.
CITY/STATE: Waterbury, CT
GEI PROJECT NUMBER: 073290-1004

BORING LOG

SB-16

GROUND SURFACE ELEVATION (FT): 314.67
LOCATION:
NORTHING: 771730.27 **EASTING:** 916227.04
TOTAL DEPTH (FT): 5.00
DRILLED BY:
DATUM VERT. / HORZ.:
LOGGED BY:
DATE START / END:
DRILLING DETAILS:
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	STRATA	SOIL / BEDROCK DESCRIPTION
0					0 - 0.3 ASPHALT. 0.3 - 5 Dark brown, sand with gravel. Some cobble.
5					Bottom of borehole at 5.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
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MLO = MUSTY LIKE ODOR

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: Mac DERMID, INC.
PROJECT NAME: MacDERMID, INC.
CITY/STATE: Waterbury, CT
GEI PROJECT NUMBER: 073290-1004

BORING LOG

SB-17

GROUND SURFACE ELEVATION (FT): 314.67 **LOCATION:**
NORTHING: 771720.78 **EASTING:** 916233.3 **TOTAL DEPTH (FT):** 5.00
DRILLED BY: **DATUM VERT. / HORZ.:**
LOGGED BY: **DATE START / END:**
DRILLING DETAILS:
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	STRATA	SOIL / BEDROCK DESCRIPTION
0					0 - 0.2 ASPHALT. 0.2 - 2.4 Moist, dark brown, sand and gravel.
	S	1.0			2.4 - 5 Damp, brown, sand with some gravel.
5					Bottom of borehole at 5.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
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NLO = NAPHTHALENE LIKE ODOR
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CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
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MLO = MUSTY LIKE ODOR

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: Mac DERMID, INC.
PROJECT NAME: MacDERMID, INC.
CITY/STATE: Waterbury, CT
GEI PROJECT NUMBER: 073290-1004

BORING LOG

SB-19

GROUND SURFACE ELEVATION (FT): 314.5
LOCATION:
NORTHING: 771705.38 **EASTING:** 916229.21
TOTAL DEPTH (FT): 10.00
DRILLED BY:
DATUM VERT. / HORZ.:
LOGGED BY:
DATE START / END:
DRILLING DETAILS:
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	STRATA	SOIL / BEDROCK DESCRIPTION
0					0 - 0.2 ASPHALT.
					0.2 - 0.9 Brown, sand and gravel.
					0.9 - 1.6 Gray, cobble.
					1.6 - 2.3 Moist, brown, sand with some gravel.
					2.3 - 3 Wet, dark brown, sand with some gravel-some blue staining.
					3 - 5.8 Wet, dark brown, sand with some gravel-some blue staining.
5					
	S	1.0			5.8 - 10 Light brown, sand with cobble.
10					Bottom of borehole at 10.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

MW/SB-26

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 40.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/1/2008 - 12/2/2008
DRILLING DETAILS: Geoprobe/Hollow Stem Auger
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC IN.	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
0							0 - 0.5 ASPHALT; black.	
							0.5 - 1 SAND WITH GRAVEL SANDY SILT WITH GRAVEL (SP); ~50% sand, ~40% gravel, ~10% fines, low plasticity; brown.	
						PLO	1 - 3.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~40% gravel, ~40% sand, ~10% fines, low plasticity; strong petroleum-like odor, dark brown.	
5						PLO	3.5 - 8 SAND WITH SILT AND GRAVEL SANDY SILT WITH GRAVEL (SP); ~70% sand, ~25% gravel, ~5% fines, low plasticity; slight petroleum-like odor, dark brown.	
10						PLO	8 - 10 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~70% sand, ~20% gravel, ~10% fines, low plasticity; slight petroleum-like odor, dark brown.	
15								
20								

NOTES:

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IN. = INCHES
FT. = FEET

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CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

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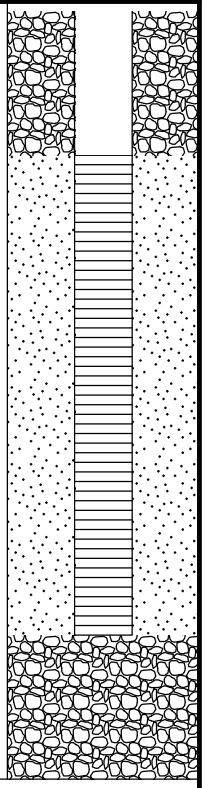
CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

MW/SB-26

DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN FT.	SAMPLE INFO: REC IN.	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
25								
30								
35								
40								

Bottom of borehole at 40.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

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TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

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CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

MW/SB-32

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 40.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/2/2008 - 12/3/2008
DRILLING DETAILS: Geoprobe/Hollow Stem Auger
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
0								0 - 0.5 ORGANIC SOIL ORGANIC SOIL (OL); low plasticity; brown.
		1.5		0				0.5 - 2 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~70% sand, ~20% gravel, ~10% fines, medium plasticity; brown, ball bearings.
		3.0		2.9			CLO	2 - 5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~75% sand, ~15% gravel, ~10% fines, high plasticity; moderate chemical-like odor, moist, pale grayish brown.
5		2.0		4.9				5 - 7 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~10% gravel, ~10% fines, medium plasticity; brown.
		2.0		4.1				7 - 9 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~15% fines, medium plasticity, ~5% gravel; brown.
		2.0		22.9				9 - 10 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~15% fines, medium plasticity, ~5% gravel; gray grayish brown with.
10		5.0		22.5			CLO	10 - 15 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~10% gravel, ~10% fines, medium plasticity; slight chemical-like odor, dark dark brown.
15		2.0		8.4			CLO	15 - 17 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~10% gravel, ~10% fines, medium plasticity; slight chemical-like odor, dark dark brown.
		3.0		.8				17 - 20 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~65% sand, ~15% gravel, ~10% fines, medium plasticity; gray grayish brown.
20								

NOTES:

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FT. = FEET

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MLO = MUSTY LIKE ODOR

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CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

MW/SB-32

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
25								
30								
35								
40								Bottom of borehole at 40.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
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MLO = MUSTY LIKE ODOR

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CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

MW/SB-36

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 40.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/3/2008 - 12/4/2008
DRILLING DETAILS: Geoprobe/Hollow Stem Auger
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	STRATA	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
0					0 - 0.5 ASPHALT; black. 0.5 - 1.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~60% sand, ~10% gravel, ~10% fines, low plasticity; brown. 1.5 - 2 GRAVEL WELL GRADED GRAVEL (GW); ~80% gravel, ~10% sand, ~10% fines, low plasticity; grayish brown and. 2 - 4 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~50% sand, ~20% gravel, ~10% fines, low plasticity; brown. 4 - 5 SILT WITH SAND SILTY SAND (SM); ~70% fines, medium plasticity, ~25% sand, ~5% gravel; grayish brown with. 5 - 7 SAND WITH SILT SANDY SILT (SP-SM); ~70% sand, ~25% fines, medium plasticity, ~5% gravel; grayish brown with. 7 - 40 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~50% sand, ~20% fines, high plasticity, ~10% gravel; grayish brown with.	
5						
10						
15						
20						

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

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PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

MW/SB-36

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	STRATA	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
25						
30						
35						
40					Bottom of borehole at 40.0 feet.	

NOTES:

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ppm = PARTS PER MILLION
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TLO = TAR LIKE ODOR
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OLO = ORGANIC LIKE ODOR
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CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

MW/SB-44

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING: **EASTING:**
TOTAL DEPTH (FT): 40.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/5/2008 - 12/5/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0							0 - 2.5 CONCRETE, gray.
							2.5 - 2.8 CONCRETE, gray. 2.8 - 3 SAND WELL GRADED SAND (SW); ~90% sand, ~10% fines, low plasticity; light brown. 3 - 3.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~70% sand, ~20% gravel, ~10% fines, low plasticity; brown. 3.5 - 4 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~70% sand, ~20% gravel, ~10% fines, low plasticity; dark brown.
5							
		1.0		.3		SB 44 (7-8)	4 - 4.2 COBBLE, gray. 4.2 - 5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~15% gravel, ~5% fines, low plasticity; dark brown. 5 - 6 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~15% gravel, ~5% fines, low plasticity; dark brown. 6 - 6.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~10% gravel, ~10% fines, low plasticity; reddish brown with. 6.5 - 7.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~15% gravel, ~5% fines, high plasticity; dark brown. 7.5 - 9.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~10% gravel, ~10% fines, high plasticity; dark brown.
10							
		1.0		0		SB 44 (14-15)	9.5 - 10 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~10% gravel, ~10% fines, high plasticity; reddish brown with. 10 - 10.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~10% gravel, ~10% fines, high plasticity; reddish brown with. 10.5 - 15 COBBLE, brownish gray to.
15							
20							

WELL CONSTRUCTION DETAILS

NOTES:

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IN. = INCHES
FT. = FEET

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PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

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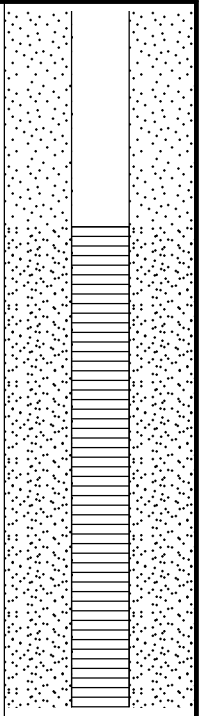
CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

MW/SB-44

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION	WELL CONSTRUCTION DETAILS
25								
30								
35								
40								

Bottom of borehole at 40.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
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CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

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CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

SB-21

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 15.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/1/2008 - 12/1/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0									0 - 0.5 GRAVEL SUBBASE WELL GRADED GRAVEL (GW); ~80% gravel, ~10% sand, ~10% fines, low plasticity; brown. 0.5 - 5 SAND SANDY SILT WITH GRAVEL (SP); ~90% sand, ~5% gravel, ~5% fines, medium plasticity; light brown.
5									5 - 6 SAND SANDY SILT WITH GRAVEL (SP); ~75% gravel, ~15% sand, ~10% fines, medium plasticity; light brown. 6 - 7 GRAVEL WELL GRADED GRAVEL WITH SAND (GW); ~80% gravel, ~15% sand, ~5% fines, low plasticity; brown. 7 - 10 SAND WELL GRADED SAND (SW); ~90% sand, ~5% gravel, ~5% fines, high plasticity; strong petroleum-like odor, dark brown.
		2.0		9			PLO	SB 21 (8-10)	
10							PLO		10 - 12 SAND WELL GRADED SAND (SW); ~90% sand, ~5% gravel, ~5% fines, high plasticity; strong petroleum-like odor, dark brown. 12 - 15 SAND WELL GRADED SAND WITH GRAVEL (SW); ~80% sand, ~15% gravel, ~5% fines, medium plasticity; brown.
15									Bottom of borehole at 15.0 feet.

NOTES:

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ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

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SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

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CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

PAGE 1 of 1

SB-22

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING: **EASTING:**
TOTAL DEPTH (FT): 15.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/1/2008 - 12/1/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0							0 - 0.5 ASPHALT; black. 0.5 - 5 SAND SANDY SILT WITH GRAVEL (SP); ~85% sand, ~10% fines, medium plasticity, ~5% gravel; brown.
5							5 - 7 SAND SANDY SILT WITH GRAVEL (SP); ~85% sand, ~10% fines, medium plasticity, ~5% gravel; dark dark brown. 7 - 9 SAND SANDY SILT WITH GRAVEL (SP); ~85% sand, ~10% fines, high plasticity, ~5% gravel; pale yellow.
		1.0		3.5		SB 22 (9-10)	9 - 9.5 SAND SANDY SILT (SP-SM); ~90% sand, ~5% gravel, ~5% fines, medium plasticity; dark brown.
10							9.5 - 10 SAND SANDY SILT (SP-SM); ~90% sand, ~5% gravel, ~5% fines, high plasticity; dark brown. 10 - 12 SAND WELL GRADED SAND (SW-SM); ~90% sand, ~5% gravel, ~5% fines, medium plasticity; dark brown. 12 - 13 SAND WELL GRADED SAND (SW-SM); ~75% sand, ~5% gravel, ~5% fines, medium plasticity; dark brown. 13 - 15 COBBLE, brownish gray.
15							Bottom of borehole at 15.0 feet.

NOTES:

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CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

SB-23

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 15.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/1/2008 - 12/1/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	STRATA	SOIL / BEDROCK DESCRIPTION
0					0 - 0.5 ASPHALT; black. 0.5 - 5 SAND WITH GRAVEL WELL GRADED SAND WITH GRAVEL (SW); ~70% sand, ~20% gravel, ~10% fines, low plasticity; brown.
5					5 - 6 SAND WITH GRAVEL WELL GRADED SAND WITH GRAVEL (SW); ~70% sand, ~20% gravel, ~10% fines, low plasticity; brown. 6 - 6.5 COBBLE, gray. 6.5 - 10 SAND WITH GRAVEL WELL GRADED SAND WITH GRAVEL (SW); ~70% sand, ~20% gravel, ~10% fines, low plasticity; brown.
10					10 - 11 SAND WITH GRAVEL WELL GRADED SAND WITH GRAVEL (SW); ~75% sand, ~15% gravel, ~10% fines, low plasticity; moist, brown. 11 - 15 SAND WITH GRAVEL WELL GRADED SAND WITH GRAVEL (SW); ~70% sand, ~20% gravel, ~10% fines, low plasticity; brown and gray.
15					Bottom of borehole at 15.0 feet.

NOTES:

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OLO = ORGANIC LIKE ODOR
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CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

SB-24

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 15.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/1/2008 - 12/1/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	STRATA	ODOR	SOIL / BEDROCK DESCRIPTION
0						0 - 0.5 ASPHALT; black. 0.5 - 5 SAND WITH GRAVEL WELL GRADED SAND WITH GRAVEL (SW); ~90% sand, ~5% gravel, ~5% fines, low plasticity; brown.
5						5 - 9 SAND WITH GRAVEL WELL GRADED SAND WITH GRAVEL (SW); ~90% sand, ~5% gravel, ~5% fines, low plasticity; brown.
10					PLO	9 - 10 SAND WITH SILT AND GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~70% sand, ~15% gravel, ~15% fines, low plasticity; strong petroleum-like odor, dark brown. 10 - 11 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~70% sand, ~15% gravel, ~15% fines, low plasticity; brown. 11 - 15 SAND WITH GRAVEL POORLY GRADED GRAVEL WITH SAND (SP); ~60% sand, ~35% gravel, ~5% fines, low plasticity; brown and gray.
15						Bottom of borehole at 15.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

SB-25

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 25.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/1/2008 - 12/1/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0									0 - 0.5 ASPHALT; black. 0.5 - 1 SAND WITH GRAVEL WELL GRADED SAND WITH GRAVEL (SW); ~80% sand, ~10% gravel, ~10% fines, low plasticity; brown. 1 - 3.5 SAND WITH SILT SANDY SILT (SP-SM); ~90% sand, ~5% gravel, ~5% fines, medium plasticity; brown gray.
									3.5 - 4 COBBLE, dark blackish brown with.
5							PLO		4 - 8 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~15% gravel, ~5% fines, medium plasticity; strong petroleum-like odor, dark blackish dark brown with.
							CLO		8 - 10 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~15% gravel, ~5% fines, medium plasticity; slight chemical-like odor, dark blueish black with.
10									10 - 15 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~15% gravel, ~5% fines, medium plasticity; dark blueish black with.
15		1.0		11.85				SB 25 (15-16)	15 - 22 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~15% gravel, ~5% fines, medium plasticity; dark blueish black with.
20									22 - 25 COBBLE, light gray.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
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IN. = INCHES
FT. = FEET

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PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
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MLO = MUSTY LIKE ODOR

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CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

SB-25

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
25									Bottom of borehole at 25.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
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OLO = ORGANIC LIKE ODOR
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MLO = MUSTY LIKE ODOR

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GEI PROJECT NUMBER: 073290

BORING LOG

SB-27

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 10.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/2/2008 - 12/2/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0									0 - 0.5 ASPHALT; black. 0.5 - 2 COBBLE, brown.
							CLO		2 - 5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~15% gravel, ~5% fines, low plasticity; slight chemical-like odor, dark blackish dark brown.
5		1.0		1.0			PLO	SB 27 (5-6)	5 - 6.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~15% gravel, ~5% fines, low plasticity; slight petroleum-like odor, dark brown. 6.5 - 10 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~60% sand, ~15% gravel, ~10% fines, low plasticity; light grayish brown.
10									Bottom of borehole at 10.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

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CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

SB-28

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 5.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/2/2008 - 12/2/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
0								0 - 0.5 ASPHALT; black.
								0.5 - 1.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~60% sand, ~20% gravel, ~5% fines, low plasticity; brown.
							PLO	1.5 - 4.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~10% gravel, ~10% fines, low plasticity; slight petroleum-like odor, dark blackish brown.
		1.0		10.8				
5							PLO	4.5 - 5 GRAVEL WITH SILT AND SAND SANDY SILT WITH GRAVEL (SP); ~75% sand, ~15% fines, high plasticity, ~10% gravel; strong petroleum-like odor, dark black.

Bottom of borehole at 5.0 feet.

NOTES:

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ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
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TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
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MLO = MUSTY LIKE ODOR

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CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

SB-29

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 10.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/2/2008 - 12/2/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	ODOR	SOIL / BEDROCK DESCRIPTION
0							0 - 0.5 ASPHALT; black.
		2.0		00			0.5 - 2.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~65% sand, ~15% gravel, ~5% fines, low plasticity; brown.
		1.0		3.5		PLO	2.5 - 3.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~65% sand, ~15% gravel, ~5% fines, low plasticity; slight petroleum-like odor, black.
		2.5		.9		PLO	3.5 - 6 SAND WITH SILT AND GRAVEL SANDY SILT WITH GRAVEL (SM); ~70% sand, ~20% fines, medium plasticity, ~10% gravel; slight petroleum-like odor, blackish brown.
5							
		4.0		10.4		PLO	6 - 10 SAND WITH SILT AND GRAVEL SANDY SILT WITH GRAVEL (SM); ~75% sand, ~20% fines, high plasticity, ~5% gravel; strong petroleum-like odor, dark black.
10							Bottom of borehole at 10.0 feet.

NOTES:

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REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
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TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

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CLIENT: MacDermid
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GEI PROJECT NUMBER: 073290

BORING LOG

SB-30

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 10.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/2/2008 - 12/2/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
0								0 - 0.5 ASPHALT; black.
		1.5		.4				0.5 - 2 SAND WITH SILT AND GRAVEL SANDY SILT WITH GRAVEL (SM); ~65% sand, ~20% fines, medium plasticity, ~15% gravel; brown.
		1.0		.6				2 - 3 COBBLE, gray.
								3 - 4 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~75% sand, ~15% gravel, ~10% fines, medium plasticity; brown.
		1.0		8			PLO	4 - 5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~75% sand, ~15% fines, medium plasticity, ~10% gravel; slight petroleum-like odor, dark dark brown.
5		1.0		10			PLO	5 - 6 SAND WITH GRAVEL POORLY GRADED GRAVEL WITH SAND (SP); ~75% sand, ~15% fines, medium plasticity, ~10% gravel; slight petroleum-like odor, dark dark brown.
		4.0		12.3			CLO	6 - 10 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~75% sand, ~15% fines, medium plasticity, ~10% gravel; moderate chemical-like odor, dark blueish dark brown with.
10								Bottom of borehole at 10.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
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CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

SB-31

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 10.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/2/2008 - 12/2/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
0								0 - 0.5 ASPHALT; black.
							CLO	0.5 - 2.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~15% fines, medium plasticity, ~5% gravel; slight chemical-like odor, dark dark brown.
		1.0		.2			CLO	2.5 - 3.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~15% fines, medium plasticity, ~5% gravel; slight chemical-like odor, moist, dark dark brown.
		1.5		1			CLO	3.5 - 5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~15% fines, medium plasticity, ~5% gravel; slight chemical-like odor, dark dark brown.
5		5.0		11.3			CLO	5 - 10 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~75% sand, ~15% gravel, ~10% fines, medium plasticity; moderate chemical-like odor, dark orangeish dark brown with.
10								Bottom of borehole at 10.0 feet.

NOTES:

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ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
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CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

SB-33

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 15.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/3/2008 - 12/3/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0									0 - 0.5 ORGANIC SOIL ORGANIC SOIL (OL); low plasticity; brown. 0.5 - 2 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~60% sand, ~15% gravel, ~10% fines, medium plasticity; brown.
		1.0		78			PLO	SB 33 (2-3)	2 - 3 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~75% sand, ~15% gravel, ~10% fines, medium plasticity; moderate petroleum-like odor, dark dark brown.
							PLO		3 - 5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~75% sand, ~15% gravel, ~10% fines, medium plasticity; moderate petroleum-like odor, dark dark brown.
5							PLO		5 - 10 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~75% sand, ~15% gravel, ~10% fines, medium plasticity; moderate petroleum-like odor, dark dark brown, Slight Sheen.
10									10 - 15 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~10% gravel, ~10% fines, medium plasticity; dark dark brown.
15									Bottom of borehole at 15.0 feet.

NOTES:

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IN. = INCHES
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MLO = MUSTY LIKE ODOR

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GEI PROJECT NUMBER: 073290

BORING LOG

SB-34

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 15.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/3/2008 - 12/3/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0									0 - 0.5 ORGANIC SOIL ORGANIC SOIL (OL); low plasticity; brown.
									0.5 - 1.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~75% sand, ~15% gravel, ~10% fines, medium plasticity; brown.
							PLO		1.5 - 4.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~60% sand, ~15% gravel, ~10% fines, low plasticity; moderate petroleum-like odor, dark dark brown.
									4.5 - 5 COBBLE, gray.
5							PLO		5 - 7 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~75% sand, ~15% fines, medium plasticity, ~10% gravel; moderate petroleum-like odor, dark dark brown.
							PLO		7 - 10 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~75% sand, ~15% fines, medium plasticity, ~10% gravel; moderate petroleum-like odor, dark dark brown.
10									10 - 12 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~70% sand, ~15% gravel, ~15% fines, medium plasticity; dark dark brown.
									12 - 13 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~10% gravel, ~10% fines, medium plasticity; brown dark brown with.
		1.0		1				SB 34 (14-15)	13 - 15 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~80% sand, ~10% gravel, ~10% fines, medium plasticity; brown.
15									Bottom of borehole at 15.0 feet.

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IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

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OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

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CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

SB-35

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 10.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/3/2008 - 12/3/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0							0 - 2.5
							2.5 - 3 GRAVEL WELL GRADED GRAVEL (GW); ~90% gravel, ~5% sand, ~5% fines, low plasticity; pale grayish brown with. 3 - 4 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~70% sand, ~20% gravel, ~10% fines, medium plasticity; brown. 4 - 5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~60% sand, ~15% gravel, ~10% fines, low plasticity; pale brownish brown gray with.
5		1.0		0		SB 35 (5-6)	5 - 6 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~75% sand, ~15% fines, medium plasticity, ~10% gravel; brown. 6 - 10 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~50% sand, ~20% fines, low plasticity, ~10% gravel; gray brown and.
10							Bottom of borehole at 10.0 feet.

NOTES:

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ppm = PARTS PER MILLION
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CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

SB-37

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 10.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/4/2008 - 12/4/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0							0 - 1 ASPHALT; black.
							1 - 3.5 GRAVEL WITH SILT AND SAND POORLY GRADED GRAVEL WITH SILT AND SAND (GW-GM); ~40% sand, ~40% fines, low plasticity, ~20% gravel; gray brown with.
		1.0		0		SB 37 (3.5-4.5)	3.5 - 4 Dark brown.
							4 - 4.5 SILT WITH SAND SILT WITH SAND (SM); ~75% fines, medium plasticity, ~20% sand, ~5% gravel; dark.
5							4.5 - 5 SAND WITH GRAVEL SANDY SILT (SP-SM); ~80% sand, ~15% fines, medium plasticity, ~5% gravel; orangeish brown with.
							5 - 10 COBBLE, gray brown with.
10							Bottom of borehole at 10.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

GEI Consultants

GEI Consultants, Inc.
455 Winding Brook Road
Glastonbury, CT 06033
(860) 368-5300

CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

PAGE 1 of 1

SB-38

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 10.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/4/2008 - 12/4/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0							0 - 1 ASPHALT; black.
							1 - 2 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~75% sand, ~15% gravel, ~10% fines, low plasticity; orangeish brown with.
							2 - 4 GRAVEL WITH SAND POORLY GRADED GRAVEL WITH SAND (GP); ~50% gravel, ~20% sand, ~10% fines, low plasticity; grayish brown and.
							4 - 5 GRAVEL WITH SAND POORLY GRADED GRAVEL WITH SAND (GP); ~50% gravel, ~15% sand, ~5% fines, low plasticity; brown.
5							5 - 10 GRAVEL WITH SAND POORLY GRADED GRAVEL WITH SAND (GP); ~30% gravel, ~20% sand, ~20% fines, low plasticity; grayish brown with.
		2.0		0		SB 38 (7-9)	
10							Bottom of borehole at 10.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

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PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

SB-39

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 15.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/4/2008 - 12/4/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0									0 - 1 ASPHALT; black.
									1 - 2 GRAVEL WITH SAND POORLY GRADED GRAVEL WITH SAND (GP); ~75% gravel, ~15% sand, ~5% fines, low plasticity; brown.
									2 - 3 GRAVEL WITH SAND POORLY GRADED GRAVEL WITH SAND (GP); ~40% gravel, ~20% sand, ~10% fines, low plasticity; gray white with.
									3 - 5 GRAVEL WITH SAND POORLY GRADED GRAVEL WITH SAND (GP); ~60% gravel, ~30% sand, ~10% fines, low plasticity; brown.
5									5 - 6.5 GRAVEL WITH SAND POORLY GRADED GRAVEL WITH SAND (GP); ~50% gravel, ~40% sand, ~10% fines, low plasticity; gray brown with.
									6.5 - 10 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~60% sand, ~20% gravel, ~20% fines, medium plasticity; moderate chemical-like odor, dark black.
		1.0		35.3			CLO	SB 39 (8-9)	
10							CLO		10 - 12 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~60% sand, ~20% gravel, ~20% fines, medium plasticity; moderate chemical-like odor, dark black.
									12 - 14 SAND WITH SILT SANDY SILT (SP-SM); ~50% sand, ~45% fines, medium plasticity, ~5% gravel; orangeish brown to.
									14 - 15 COBBLE, whiteish gray to.
15									Bottom of borehole at 15.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

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PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

PAGE 1 of 1

SB-40

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 14.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/4/2008 - 12/4/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	SOIL / BEDROCK DESCRIPTION
0								0 - 1 ASPHALT; black.
		4.0		0				1 - 5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~55% sand, ~15% gravel, ~15% fines, low plasticity; orangeish brown with.
5								5 - 7.5 SAND WELL GRADED SAND (SW); ~80% sand, ~20% fines, low plasticity; orangeish brown with.
		2.5		50.1			CLO	7.5 - 10 SAND WELL GRADED SAND (SW); ~80% sand, ~20% fines, low plasticity; moderate chemical-like odor, dark black.
10							CLO	10 - 11.5 SAND WELL GRADED SAND (SW); ~70% sand, ~30% fines, low plasticity; moderate chemical-like odor, dark black.
								11.5 - 13 SAND WITH SILT POORLY GRADED SAND WITH SILT (SP-SM); ~60% sand, ~40% fines, low plasticity; brown.
		0.5		16.4				13 - 13.5 SAND WELL GRADED SAND (SW); ~90% sand, ~10% fines, low plasticity; orangeish brown with.
		0.5		0				13.5 - 14 COBBLE, white.

Bottom of borehole at 14.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

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CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

SB-41

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 10.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/4/2008 - 12/4/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0							0 - 1 ASPHALT; black.
							1 - 4.5 SAND WELL GRADED SAND (SW); ~90% sand, ~10% fines, low plasticity; orangeish brown with.
5							4.5 - 5 GRAVEL WITH CLAY AND SAND POORLY GRADED GRAVEL WITH CLAY AND SAND (GW-GC); ~60% gravel, ~20% sand, ~10% fines, low plasticity; blackish brown with. 5 - 6 SAND WELL GRADED SAND (SW); ~90% sand, ~10% fines, low plasticity; brown.
		1.0		1		SB 41 (7-8)	6 - 6.5 COBBLE, light gray. 6.5 - 10 SAND WELL GRADED SAND (SW); ~90% sand, ~10% fines, low plasticity; gray bron to.
10							Refusal at 10.0 feet. Bottom of borehole at 10.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

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CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

SB-42

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 10.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/4/2008 - 12/4/2008
DRILLING DETAILS: Geoprobe
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN FT.	REC IN.	STRATA	SOIL / BEDROCK DESCRIPTION
0					0 - 0.5 CONCRETE, gray. 0.5 - 5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~55% sand, ~20% gravel, ~10% fines, low plasticity; orangeish brown with.
5					5 - 10 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~55% sand, ~20% gravel, ~10% fines, low plasticity; orangeish brown with.
10					Bottom of borehole at 10.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

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CLIENT: MacDermid
PROJECT NAME: MacDermid
CITY/STATE: Waterbury, Connecticut
GEI PROJECT NUMBER: 073290

BORING LOG

PAGE 1 of 1

SB-43

GROUND SURFACE ELEVATION (FT):
LOCATION: AOCE
NORTHING:
EASTING:
TOTAL DEPTH (FT): 15.00
DRILLED BY: Alpine Drilling
DATUM VERT. / HORZ.:
LOGGED BY: Jessie Mccusker & Ryan Acosta
DATE START / END: 12/4/2008 - 12/4/2008
DRILLING DETAILS: Geoprobe/Hollow Stem Auger
WATER LEVEL DEPTHS (FT):

DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN FT.	REC IN.	PID (ppm)	STRATA	VISUAL IMPACTS	ODOR	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
0									0 - 1 CONCRETE, gray.
									1 - 4.5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~70% sand, ~20% gravel, ~10% fines, low plasticity; orangeish brown with.
5							CLO		4.5 - 5 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~55% sand, ~15% gravel, ~15% fines, low plasticity; moderate chemical-like odor, dark brown.
							CLO		5 - 7 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~55% sand, ~15% gravel, ~15% fines, low plasticity; moderate chemical-like odor, dark brown.
									7 - 9 SILT WITH SAND SILTY SAND WITH GRAVEL (SM); ~50% fines, medium plasticity, ~35% sand, ~15% gravel; orangeish brown with.
									9 - 9.5 COBBLE, whiteish gray to.
10		2.0		20			CLO	SB 43 (10-12)	9.5 - 10 SILTY SAND SILTY SAND (SM); ~60% fines, medium plasticity, ~40% sand; moderate chemical-like odor, dark blackish brown to.
							CLO		10 - 11 SILTY SAND SILTY SAND (SM); ~60% fines, medium plasticity, ~40% sand; slight chemical-like odor, light brown.
									11 - 12 SAND WITH GRAVEL POORLY GRADED SAND WITH GRAVEL (SP); ~70% sand, ~20% gravel, ~10% fines, low plasticity; orangeish brown with.
									12 - 15 COBBLE, whiteish gray to.
15									Bottom of borehole at 15.0 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (JAR HEADSPACE)

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

Appendix E

Laboratory Data (Electronic Only)

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-8934
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 20, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-52 (1.5-2.5)	220-8934-01	VOC, ETPH
SB/MW-53 (1.5-2.5)	220-8934-02	VOC, ETPH
CC-1	220-8934-03	VOC, ETPH
CC-2	220-8934-04	VOC, ETPH
CC-3	220-8934-05	VOC, ETPH
CC-4	220-8934-06	VOC, ETPH
SB-54 (1.5-2.5)	220-8934-07	VOC, ETPH
EB-Chip	220-8934-08	VOC, ETPH
SB-55 (1.5-2.5)	220-8934-09	VOC, ETPH
EB-Auger	220-8934-10	VOC, ETPH
SB-59 (1-2)	220-8934-11	VOC, ETPH
SB-60 (1-2)	220-8934-12	VOC, ETPH

Associated QC Samples(s):	Field Blanks:	EB-Chip, EB-Auger, FB 042809 (reported in 220-8920)
	Field Duplicate pair:	None associated

The above-listed soil and concrete samples and equipment blank samples were collected on April 29, 2009 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, and extractable total petroleum hydrocarbons (ETPH) by the CT method. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times and Sample Preservation
* • Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
  • Initial and Continuing Calibrations
  • Blanks
  • Surrogate Recoveries
  • Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
  • Laboratory Control Sample (LCS) Results

	•	Internal Standards
*	•	Moisture Content
NA	•	Field Duplicate Results
	•	Quantitation Limits and Data Assessment
*	•	Sample Quantitation and Compound Identification

* - All criteria were met.

NA – A field duplicate pair was not associated with this sample group.

All results are usable for project objectives with the exception of the VOC results for sample CC-4, with the exception of acetone, styrene, toluene, tetrachloroethene, m&p-xylene, and o-xylene, which were rejected due to surrogate recovery less than 10.

Qualifications applied to the data as a result of sampling error are discussed below.

- The positive results for ETPH in samples SB-54 (1.5-2.5) and SB-55 (1.5-2.5) were qualified as nondetect (U) at the reported values due to field blank contamination. The results can be used for project objectives as nondetects with elevated quantitation limits which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for trichlorofluoromethane, 1,1,2-trichloro-1,2,2-trifluoroethane, acetone, carbon tetrachloride, 1,2-dichloroethane, and trans-1,4-dichloro-2-butene in sample EB-Chip and 1,1,2-trichloro-1,2,2-trifluoroethane in EB-Auger were qualified as estimated (UJ) due to continuing calibration nonconformances. The direction of the bias cannot be determined from these nonconformances. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive and nondetect VOC results for sample CC-1, CC-2, CC-3, SB-54 (1.5-2.5), and SB-55 (1.5-2.5) were qualified as estimated (J/UJ) due to low surrogate recoveries. The results may be biased low. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive and nondetect (detected below the reporting limit (RL)) VOC results for acetone, styrene, toluene, tetrachloroethene, m&p-xylene, and o-xylene in sample CC-4 were qualified as estimated (J/UJ) due to surrogate recovery less than 10. The results may be biased low. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The nondetect VOC results, with the exception of acetone, styrene, toluene, tetrachloroethene, m&p-xylene, and o-xylene, in sample CC-4 were rejected (R) due to surrogate recovery less than 10. The results are not usable for project objectives which may have a major impact on the data usability.

- The positive result for acetone in sample EB-Chip was qualified as estimated (J) due to high surrogate recoveries. The result may be biased high. The result can be used for project objectives as an estimated value which may have a minor impact on the data usability.

- The positive and nondetect results for isopropylbenzene, bromobenzene, 1,1,2,2-tetrachloroethene, 1,2,3-trichloropropane, trans-1,4-dichloro-2-butene, n-propylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,3,5-trimethylbenzene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, 4-isopropyltoluene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, n-butylbenzene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, hexachlorobutadiene, naphthalene, and 1,2,3-trichlorobenzene in sample EB-Auger were estimated (J/UJ) due to low internal standard recovery. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive results for acetone in samples EB-Chip and EB-Auger were qualified as estimated (J) due to high LCS recoveries. The results may be biased high. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The nondetect results for carbon disulfide in samples SB-52 (1.5-2.5), SB/MW-53 (1.5-2.5), SB-59 (1-2), and SB-60 (1-2) and bromomethane and carbon disulfide in samples CC-1, CC-2, CC-3, SB-54 (1.5-2.5), and SB-55 (1.5-2.5) were qualified as estimated (UJ) due to low LCS recovery. The results may be biased low. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met in the VOC and ETPH analyses.

GC/MS Tunes

All criteria were met in the VOC analyses.

Initial and Continuing Calibrations

ETPH

All criteria were met.

VOC

Compounds that did not meet criteria in the VOC continuing calibrations are summarized in the following table.

Instrument ID MSV Compound	CC 04/30/09 10:21	CC 05/13/09 09:48
Trichloromethane	XX (37.3%)	
1,1,2-Trichloro-1,2,2-trifluoroethane	XX (61.2%)	XX (49.7%)
Acetone	XX (31.5%)	
Carbon tetrachloride	XX (26.2%)	
1,2-Dichloroethane	XX (26.3%)	
Trans-1,4-dichloro-2-butene	XX (26.7%)	
Samples Affected	EB-Chip	EB-Auger

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (J) positive results.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The nondetect results for trichlorofluoromethane, 1,1,2-trichloro-1,2,2-trifluoroethane, acetone, carbon tetrachloride, 1,2-dichloroethane, and trans-1,4-dichloro-2-butene in sample EB-Chip and 1,1,2-trichloro-1,2,2-trifluoroethane in sample EB-Auger were estimated (J/UJ) due to continuing calibration nonconformances.

Blanks

VOC and ETPH

Target compounds were detected below the reporting limits in select method blanks, field and trip blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at 10x (for common contaminants) and 5x (for other compounds) the concentrations detected. The following table lists the highest level of compounds detected in the VOC laboratory blanks.

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Methylene chloride	Method	2.1 ug/L	21 ug/L	EB-Chip
Acetone	Method	8.8 ug/kg	88 ug/kg	CC-1 RE, CC-2 RE, CC-3 RE, CC-4 RE, SB-54 (1.5-2.5) RE, SB-55 (1.5-2.5) RE
Acetone	EB-Chip	5.4 ug/L, 5.4 ug/kg	54 ug/kg	CC-1, CC-2, CC-3, CC-4
Toluene		0.11 ug/L, 0.11 ug/kg	1.1 ug/kg	
ETPH	EB-Auger	190 ug/L	950 ug/L	SB-54 (1.5-2.5), SB-55 (1.5-2.5)
Acetone		120,000 ug/L	1,200,000 ug/L	
Methyl ethyl ketone		44,000 ug/L	220,000 ug/L	
Carbon disulfide		8500 ug/L	42,500 ug/L	
Methylene chloride		14,000 ug/L	140,000 ug/L	
Toluene		5700 ug/L	57,000 ug/L	
Methylene chloride	FB 042809	8.9 ug/L, 8.9 ug/kg	89 ug/kg	All solid samples
Acetone	FB 042809	6.6 ug/L, 6.6 ug/kg	66 ug/kg	

The positive results for ETPH in samples SB-54 (1.5-2.5) and SB-55 (1.5-2.5) were qualified as nondetect (U) at the reported values due to field blank contamination.

Surrogate Recoveries

ETPH

All criteria were met for samples analyzed at dilutions less than 10-fold.

VOCs

The following table lists the surrogates recovered outside of control limits and the resulting

actions.

Sample Soil Limits AQ Limits	DBFM 59-123 67-133	DCE 59-132 57-121	Tol-d8 50-118 67-121	BFB 34-124 57-121	Validation actions
EB-Chip	-	123%	-	-	Estimate (J) the positive result for acetone in sample EB-Chip.
CC-1	0%	-	-	-	Validation action was not required as the original analysis was not reported.
CC-1 RE	27%	-	-	-	Estimate (J/UJ) the positive and nondetect results.
CC-2	0%	-	-	-	Validation action was not required as the original analysis was not reported.
CC-2 RE	16%	-	-	-	Estimate (J/UJ) the positive and nondetect results.
CC-3	0%	-	-	-	Validation action was not required as the original analysis was not reported.
CC-3 RE	37%	-	-	-	Estimate (J/UJ) the positive and nondetect results.
CC-4	0%	-	49%	-	Validation action was not required as the original analysis was not reported.
CC-4 RE	0%	-	43%	33%	Estimate (J/UJ) the positive and nondetect (detected below the RL) results for acetone, styrene, toluene, tetrachloroethene, m&p-xylene, and o-xylene in sample CC-4. Reject all other results.
SB-54 (1.5-2.5)	0%	-	-	-	Validation action was not required as the original analysis was not reported.
SB-54 (1.5-2.5) RE	33%	-	-	-	Estimate (J/UJ) the positive and nondetect results.
SB-55 (1.5-2.5)	16%	-	-	-	Validation action was not required as the original analysis was not reported.
SB-55 (1.5-2.5) RE	38%	-	-	-	Estimate (J/UJ) the positive and nondetect results.

- Criteria met

MS/MSD Results

MS/MSDs were not associated with the VOC and EPTH analyses. Validation action was not required on this basis.

Internal Standards

The following table lists the internal standards recovered outside of control limits and the resulting actions.

Sample	Internal Standard	Recovery (%)	Validation actions
EB-Auger	1,4-dichlorobenzene-d4	49.5	Estimate (J/UJ) the positive and nondetect results for the associated compounds isopropylbenzene, bromobenzene, 1,1,2,2-tetrachloroethene, 1,2,3-trichloropropane, trans-1,4-dichloro-2-butene, n-propylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,3,5-trimethylbenzene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, 4-isopropyltoluene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, n-butylbenzene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, hexachlorobutadiene, naphthalene, and 1,2,3-trichlorobenzene in sample EB-Auger.
CC-3	Fluorobenzene	19.9	Validation action was not required. The results from the reanalysis were reported which exhibited acceptable IS areas.
	Chlorobenzene-d5	20.8	
	1,4-dichlorobenzene-d4	12.7	

LCS Results

ETPH

All criteria were met in the ETPH analyses.

VOC and SVOC

The following table lists the compounds recovered outside of control limits in the LCS analyses and the resulting actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Acetone	228	33-150	EB-Chip	Estimate (J) the positive result for acetone in sample EB-Chip.
Methyl ethyl ketone	167	30-150	EB-Chip	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Trans-1,4-dichloro-2-butene	158	53-143		
1,1-Dichloroethene	168	70-134		
Trans-1,2-dichloroethene	125	63-120		
1,1,2-Trichloro-1,2,2-trifluoroethane	197	66-143		
Acetone	171	80-150	All original analyses	Validation actions were not required as the

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Trans-1,4-dichloro-2-butene	128	69-120	for solid samples	affected results were nondetect and therefore not affected by the potential high bias.
Carbon disulfide	53	80-142	All original analyses for solid samples	Estimate (UJ) the nondetect results for carbon disulfide in samples SB-52 (1.5-2.5), SB/MW-53 (1.5-2.5), SB-59 (1-2), and SB-60 (1-2).
Acetone	174	80-150	CC-1 RE, CC-2 RE, CC-3 RE, CC-4 RE, SB-54 (1.5-2.5) RE, SB-55 (1.5-2.5) RE	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Trans-1,4-dichloro-2-butene	123	69-120		
Bromomethane	70	83-150	CC-1 RE, CC-2 RE, CC-3 RE, CC-4 RE, SB-54 (1.5-2.5) RE, SB-55 (1.5-2.5) RE	Estimate (UJ) the nondetect results for bromomethane and carbon disulfide in samples CC-1, CC-2, CC-3, SB-54 (1.5-2.5), and SB-55 (1.5-2.5). Validation actions were not required for sample CC-4 as the results were previously rejected due to poor surrogate recoveries.
Carbon disulfide	49	80-142		
Acetone	160	33-150	EB-Auger	Estimate (J) the positive result for acetone in sample EB-Auger.
Trans-1,4-dichloro-2-butene	150	54-143	EB-Auger	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Dichlorodifluoromethane	218	30-150		
1,1-Dichloroethene	145	70-134		
1,1,2-Trichloro-1,2,2-trifluoroethane	181	66-143		

Moisture Content

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

Quantitation Limits and Data Assessment

The following table lists the sample dilutions and analyses which were performed and reported.

Sample	VOC Analysis Reported	ETPH Analysis Reported
EB-Auger	A 10,000-fold dilution analysis was performed.	
CC-1	Due to poor surrogate recoveries, the sample was reanalyzed. The reanalysis was reported as the surrogate recoveries were better.	NR
CC-2	Due to poor surrogate recoveries, the sample was reanalyzed. The reanalysis was reported as the surrogate recoveries were better.	NR
CC-3	Due to poor internal standard areas and surrogate recoveries, the sample was reanalyzed. Report the reanalysis results as the IS areas were acceptable in the reanalysis.	NR
CC-4	Due to poor surrogate recoveries, the sample was reanalyzed. Results were similar in the reanalysis. The reanalysis was reported.	A 25-fold dilution analysis was performed.
SB-54 (1.5-2.5)	Due to poor surrogate recoveries, the sample was reanalyzed. The reanalysis was reported as the surrogate recoveries were better.	NR
SB-55 (1.5-2.5)	Due to poor surrogate recoveries, the sample was reanalyzed. The reanalysis was reported as the surrogate recoveries were better.	NR

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC and ETPH analyses.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-8934
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-52 (1.5-2.5)	220-8934-01	Metals, Cyanide
SB/MW-53 (1.5-2.5)	220-8934-02	Metals, Cyanide
CC-1	220-8934-03	Metals, Cyanide
CC-2	220-8934-04	Metals, Cyanide
CC-3	220-8934-05	Metals, Cyanide
CC-4	220-8934-06	Metals, Cyanide
SB-54 (1.5-2.5)	220-8934-07	Metals, Cyanide
EB-Chip	220-8934-08	Metals, Cyanide
SB-55 (1.5-2.5)	220-8934-09	Metals, Cyanide
EB-Auger	220-8934-10	Metals, Cyanide
SB-59 (1-2)	220-8934-11	Metals, Cyanide
SB-60 (1-2)	220-8934-12	Metals, Cyanide

Associated QC Samples(s):	Field Blanks:	EB-Chip, EB-Auger, FB 042809 (reported in 220-8920)
	Field Duplicate pair:	None associated

The above-listed soil and concrete samples and equipment blank samples were collected on April 29, 2009 and were analyzed for select metals by SW-846 methods 6010B/7470/7471A and cyanide by SW-846 method 9012B. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

* • Overall Evaluation of Data and Potential Usability Issues
• Data Completeness
* • Holding Times and Sample Preservation
* • Instrument Calibration
* • Contract Required Quantitation Limit (CRQL) Standard Recoveries
• Blank Analysis Results
• Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
* • Laboratory Duplicate Results
NA • Field Duplicate Results

* • Laboratory Control Sample (LCS) Results
* • Serial Dilution Results
* • Moisture Content
  • Detection Limits Results
* • Sample Quantitation Results

* - All criteria were met for this parameter.

NA- A field duplicate pair was not associated with this sample group.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for cadmium in samples CC-1, CC-2, CC-3, and CC-4 and lead in samples CC-1, CC-3, and CC-4 were qualified as estimated (UJ) due to negative interference in the ICSA sample analysis. The results may be biased low. The results are usable for project objectives as nondetects with estimated quantitation limits which may have a minor effect on the data usability.

- The nondetect results for cyanide in samples EB-Auger and EB-Chip were qualified as estimated (UJ) due to low recovery in the MS analysis. The results may be biased low. The results are usable for project objectives as nondetects with estimated quantitation limits which may have a minor effect on the data usability.

Data Completeness

The data package was complete with the following exception: The laboratory did not report the result for cobalt in samples EB-Chip and EB-Auger. The validation reviewed the ICP raw data and reported the result for cobalt for samples EB-Chip and EB-Auger on the reporting form.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met.

CRQL Standard Recoveries

All recovery criteria were met.

Blank Results

Analytes were not detected in the metals laboratory blank samples. Target analytes were not detected in the equipment blank sample EB-Chip and the associated field blank FB 042809, which was reported in case number 220-8920. Nickel was detected in the equipment blank sample, EB-Auger, which was associated with samples SB-54 (1.5-2.5) and SB-55 (1.5-2.5). Analytes which were detected in the project samples at levels less than five times those in the blanks were qualified as nondetect (U). The following table summarizes the contamination.

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Nickel	EB-Auger	SB-54 (1.5-2.5), SB-55 (1.5-2.5)	1.9 ug/L, 0.24 mg/kg	1.19 mg/kg

Blank Actions

If the sample result is < QL and < action level; report the result as nondetect (U) at the QL.
If the sample result is ≥ QL and < action level; report the sample result as nondetect (U) at the reported value.
For negative blank contamination ≥2 MDL; professional judgement was taken to estimate (J/UJ) those results which were less than the action level.

Validation actions were not required on this basis.

ICP ICS Results

All analytes were recovered within control limits in the ICSAB sample analysis.

Positive results for barium, chromium, and vanadium and negative results for silver, cadmium, cobalt, and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with sample SB-52 (1.5-2.5). Positive results for barium, chromium, and vanadium and negative results for cadmium, cobalt, lead, and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with the remaining samples. Sample interferent levels were reviewed. Calcium was present in samples CC-1 (107%), CC-2 (91%), CC-3 (99%), and CC-4 (88%) at similar or greater levels to that of the ICSA solution. The following table lists the estimated interferences and resulting validation actions.

Sample	Analyte	Sample Result (ug/L)	Estimated Interference (ug/L)	Actions
CC-1	Barium	1004	1.2	Interference was <10%; No action taken.
	Cadmium	ND	-1.7	Estimate (UJ) the nondetect result for cadmium.
	Cobalt	33.6	-3.2	Interference was <10%; No action taken.
	Chromium	118.5	1.2	Interference was <10%; No action taken.
	Lead	ND	-4.1	Estimate (UJ) the nondetect result for lead.
	Vanadium	233	1.8	Interference was <10%; No action taken.
	Zinc	236	-11.4	Interference was <10%; No action taken.
CC-2	Barium	875	1.0	Interference was <10%; No action taken.
	Cadmium	ND	-1.5	Estimate (UJ) the nondetect result for cadmium.
	Cobalt	40.2	-2.7	Interference was <10%; No action taken.
	Chromium	147	1.0	Interference was <10%; No action taken.
	Lead	45.8	-3.5	Interference was <10%; No action taken.
	Vanadium	231	1.5	Interference was <10%; No action taken.
	Zinc	261	-9.7	Interference was <10%; No action taken.
CC-3	Barium	874	1.1	Interference was <10%; No action taken.
	Cadmium	ND	-1.6	Estimate (UJ) the nondetect result for cadmium.
	Cobalt	38.6	-3.0	Interference was <10%; No action taken.
	Chromium	142	1.1	Interference was <10%; No action taken.
	Lead	ND	-3.8	Estimate (UJ) the nondetect result for lead.
	Vanadium	214.5	1.7	Interference was <10%; No action taken.
	Zinc	247	-10.7	Interference was <10%; No action taken.
CC-4	Barium	794	-0.97	Interference was <10%; No action taken.
	Cadmium	ND	-1.4	Estimate (UJ) the nondetect result for cadmium.
	Cobalt	36.7	-2.6	Interference was <10%; No action taken.
	Chromium	133.6	0.97	Interference was <10%; No action taken.
	Lead	ND	-3.3	Estimate (UJ) the nondetect result for lead.
	Vanadium	209.5	1.5	Interference was <10%; No action taken.
	Zinc	241	-9.4	Interference was <10%; No action taken.

MS Results

The laboratory performed the MS on sample SB/MW-48 (24-25) (reported in case number 220-8900) for metals and cyanide, sample EB-Auger for ICP metals, and on sample EB-Chip for cyanide. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS and the resulting validation actions.

Analyte	MS Sample	Recovery (%)	Actions
Cyanide	EB-Chip	31	Estimate (UJ) the nondetect results for cyanide in aqueous samples EB-Auger and EB-Chip.
Arsenic	SB/MW-48 (24-25)	126	Validation actions were not required for arsenic as results were not detected in the associated samples and therefore not affected by the potential high bias.

Laboratory Duplicate Results

The laboratory performed the duplicate analysis on sample SB/MW-48 (24-25) (reported in case number 220-8900) for metals and cyanide, sample EB-Auger for ICP metals, and on sample EB-Chip for cyanide.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on SB/MW-48 (24-25) (reported in case number 220-8900). All criteria were met.

Detection Limits Results

Dilutions were not required.

The aqueous reporting limit for mercury was found to be calculated without the sample preparation factor (25 ml initial sample to 50 ml final volume). The validator edited the aqueous mercury reporting limits for all aqueous samples to reflect the sample preparation dilution.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-8960
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-61	220-8960-01	VOC, ETPH, PCBs
SB/MW-62	220-8960-02	VOC, ETPH, PCBs
CC-5	220-8960-03	VOC, ETPH
FB 043009	220-8960-04	VOC, ETPH, PCBs
TB 043009	220-8960-05	VOC

Associated QC Samples(s): Field Blanks: FB 043009, TB 043009
Field Duplicate pair: None associated

The above-listed soil and concrete chip samples, field blank, and trip blank samples were collected on April 30, 2009 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, polychlorinated biphenyls (PCBs) by SW-846 method 8082, and extractable total petroleum hydrocarbons (ETPH) by the CT method. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

*	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	•	Initial and Continuing Calibrations
	•	Blanks
	•	Surrogate Recoveries
*	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
	•	Laboratory Control Sample (LCS) Results
*	•	Internal Standards
*	•	Moisture Content
NA	•	Field Duplicate Results
	•	Quantitation Limits and Data Assessment
*	•	Sample Quantitation and Compound Identification

* - All criteria were met.

NA – A field duplicate pair was not associated with this sample group.

All results are usable for project objectives with the exception of all VOC results with the exception of acetone, methyl isobutyl ketone, n-propylbenzene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylene, and o-xylene in sample CC-5, which were rejected due to surrogate recovery less than 10.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for hexachlorobutadiene in samples FB 043009 and TB 043009 were qualified as estimated (UJ) due to continuing calibration nonconformances. The direction of the bias cannot be determined from these nonconformances. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive and nondetect (detected below the reporting limit (RL)) results for methyl isobutyl ketone, n-propylbenzene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylene, and o-xylene in sample CC-5 were estimated (J/UJ) due to low surrogate recoveries. The results may be biased low. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The nondetect results for all VOC results with the exception of acetone, methyl isobutyl ketone, n-propylbenzene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylene, and o-xylene in sample CC-5 were rejected (R) due to surrogate recoveries less than 10. The results cannot be used for project objectives which may have a major impact on the data usability.

- The positive and nondetect results for carbon disulfide in samples SB-61 and SB/MW-62 were qualified as estimated (J/UJ) due to low LCS recovery. The results may be biased low. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met in the VOC, ETPH, and PCB analyses.

GC/MS Tunes

All criteria were met in the VOC analyses.

Initial and Continuing Calibrations

PCBs and ETPH

All criteria were met.

VOC

Compounds that did not meet criteria in the VOC continuing calibrations are summarized in the following table.

Instrument ID MSW Compound	CC 05/05/09 12:03
Hexachlorobutadiene	XX (32.6%)
Samples Affected	FB 043009, TB 043009

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (J) positive results.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The nondetect results for hexachlorobutadiene in samples FB 043009 and TB 043009 were estimated (UJ) due to continuing calibration nonconformances.

Blanks

PCBs and ETPH

Target compounds were not detected in the associated method blank samples.

VOC

Methylene chloride and acetone were detected below the reporting limit (RL) in select method blank samples, field blank sample, and associated equipment blank sample EB-Chip, which was reported in case number 220-8934. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at 10x (for common contaminants) and 5x (for other compounds) the concentrations detected. The following table lists the highest level of compounds detected in the VOC laboratory blanks.

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Acetone	EB-Chip	5.4 ug/L, 5.4 ug/kg	54 ug/kg	CC-5
Toluene	EB-Chip	0.11 ug/L, 0.11 ug/kg	0.55 ug/kg	
Acetone	FB 043009	5.3 ug/L, 5.3 ug/kg	53 ug/kg	All solid samples
Methylene chloride	Method	1.1 ug/L	11 ug/L	FB 043009, TB 043009

Validation actions were not required as sample results were reported nondetect down to the reporting limit.

Surrogate Recoveries

ETPH and PCBs

All criteria were met for samples analyzed at dilutions less than 10-fold.

VOCs

The following table lists the surrogates recovered outside of control limits and the resulting actions.

Sample Soil Limits	DBFM 60-130	DCE 49-134	Tol-d8 51-137	BFB 36-133	Validation actions
CC-5 CC-5 RE	0% 0%	- -	- -	- -	Estimate (J/UJ) the positive and nondetect (detected below the RL) results for acetone, methyl isobutyl ketone, n-propylbenzene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylene, and o-xylene from the original analysis. Reject (R) the remaining nondetect results for sample CC-5.

- Criteria met

MS/MSD Results

MS/MSDs were not associated with the VOC, PCB, and EPTH analyses. Validation action was not required on this basis.

Internal Standards

All criteria were met in the VOC analyses.

LCS Results

VOC

The following table lists the compounds recovered outside of control limits in the LCS VOC analyses and the resulting actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Trans-1,4-dichloro-2-butene	125	55-120	FB 043009, TB 043009	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Acetone	192	41-150		
1,1-Dichloropropene	125	60-124		
1,1,2-Trichloro-1,2,2-trifluoroethene	152	66-147		
Acetone	230	80-150	SB-61, SB/MW-62, CC-5	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Trans-1,4-dichloro-2-butene	136	69-120		
Carbon Disulfide	60	80-142	SB-61, SB/MW-62, CC-5	Estimate (J/UJ) the positive and nondetect result for carbon disulfide in samples SB-61 and SB/MW-62. Validation action was not required for sample CC-5 as the result was rejected due to poor surrogate recovery.

PCBs and ETPH

All criteria were met in the PCB and ETPH analyses.

Moisture Content

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

Quantitation Limits and Data Assessment

The following table lists the sample dilutions and analyses which were performed and reported.

Sample	VOC Analysis Reported	PCB Analysis Reported	ETPH Analysis Reported
CC-5	Due to extremely poor surrogate recoveries, the sample was re-extracted. As matrix interference was confirmed in the re-extraction, the original analysis was reported.	NR	NR
SB-61	NR	NR	A 10-fold dilution analysis was performed.

NR- A dilution or reanalysis was not required

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC, PCB, and ETPH analyses.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-8960
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-61	220-8960-01	Metals, Cyanide
SB/MW-62	220-8960-02	Metals, Cyanide
CC-5	220-8960-03	Metals, Cyanide
FB 043009	220-8960-04	Metals, Cyanide

Associated QC Samples(s): Field Blanks: FB 043009
Field Duplicate pair: None associated

The above-listed soil and concrete samples and field blank sample were collected on April 30, 2009 and were analyzed for select metals by SW-846 methods 6010B/7470/7471A and cyanide by SW-846 method 9012B. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

* • Overall Evaluation of Data and Potential Usability Issues
* • Data Completeness
* • Holding Times and Sample Preservation
* • Instrument Calibration
• Contract Required Quantitation Limit (CRQL) Standard Recoveries
• Blank Analysis Results
• Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
• Laboratory Duplicate Results
NA • Field Duplicate Results
* • Laboratory Control Sample (LCS) Results
* • Serial Dilution Results
* • Moisture Content
• Detection Limits Results
* • Sample Quantitation Results

* - All criteria were met for this parameter.

NA- A field duplicate pair was not associated with this sample group.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect result for lead in sample FB 043009 was estimated (UJ) due to low recovery in the CRDL analysis. The result may be biased low. The result is usable for project objectives as a nondetect with an estimated quantitation limit which may have a minor effect on the data usability.

- The nondetect results for silver, cadmium, antimony, selenium, and tin in sample CC-5 were qualified as estimated (UJ) due to negative interferences in the ICSA sample analysis. The results may be biased low. The results are usable for project objectives as nondetects with estimated quantitation limits which may have a minor effect on the data usability.

- The positive results for arsenic in sample SB/MW-62 and barium, copper, and zinc in samples SB-61, SB/MW-62, and CC-5 were qualified as estimated (J) due to high recoveries in the MS analysis. The result may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

- The positive results for chromium in samples SB-61, SB/MW-62, and CC-5 were qualified as estimated (J) due to high relative percent difference (RPD) in the laboratory duplicate analysis. The direction of the bias cannot be determined from this nonconformance. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met

CRQL Standard Recoveries

The following table lists the recoveries which were outside the control limits in the contract required quantitation limit (CRQL) standards and the resulting validation actions.

The affected level range was determined by two times the true value of the CRQL standard analyzed.

Analyte	Recovery	Associated Samples	Validation Actions
Lead	66%	FB 043009	The nondetect result for lead in sample FB 043009 was estimated (UJ).

Blank Results

Analytes were detected in the metals laboratory blank samples. Analytes which were detected in the project samples at levels less than five times those in the blanks were qualified as nondetect (U). The following table summarizes the contamination.

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Barium	Instrument	SB/MW-62, CC-5	1.2 ug/L, 0.15 mg/kg	0.75 mg/kg
Cadmium	Method	SB/MW-62, CC-5	0.30 mg/kg	1.5 mg/kg
Zinc	Instrument	SB/MW-62, CC-5	17.0 ug/L, 2.1 mg/kg	10.6 mg/kg
Tin	Instrument	All samples	1.2 mg/kg	6.0 mg/kg

Blank ActionsMethod

If the sample result is < QL and < action level; report the result as nondetect (U) at the QL.
If the sample result is ≥ QL and < action level; report the sample result as nondetect (U) at the reported value.
For negative blank contamination ≥2 MDL; professional judgement was taken to estimate (J/UJ) those results which were less than the action level.

Validation actions were not required on this basis.

Target analytes were not detected in the field blank FB 043009, which was associated with all samples.

ICP ICS Results

Thallium (74%) was recovered below the control limits in the ICSAB analysis associated with sample FB 043009. Validation actions were not required on this basis as the sample interferents levels were less than those of the ICSAB sample.

Positive results for barium, chromium, and vanadium and negative results for silver, cadmium, cobalt, and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with sample SB-61. Positive results for barium, chromium, nickel, tin, and vanadium and negative results for silver and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with sample FB 043009. Positive results for arsenic, barium, chromium, copper, thallium, and vanadium and negative results for silver, beryllium, cadmium, nickel, antimony, selenium, tin, and zinc were detected above the method detection limit

(MDL) in the ICSA solution analysis associated with samples SB/MW-62 and CC-5. Sample interferents levels were reviewed. Sample interferent levels were reviewed. Calcium was present in sample CC-5 (132%) at a greater level than that of the ICSA solution. The following table lists the estimated interferences and resulting validation actions.

Sample	Analyte	Sample Result (ug/L)	Estimated Interference (ug/L)	Actions
CC-5	Silver	ND	-2.6	Estimate (UJ) the nondetect result for silver.
	Arsenic	ND	22.7	Validation action was not required.
	Barium	1841	5.7	Interference was <10%; No action taken.
	Beryllium	ND	-0.86	Interference was <10%; No action taken.
	Cadmium	ND	-6.9	Estimate (UJ) the nondetect result for cadmium.
	Chromium	182	0.92	Interference was <10%; No action taken.
	Copper	162	2.8	Interference was <10%; No action taken.
	Nickel	142	-8.2	Interference was <10%; No action taken.
	Antimony	ND	-9.2	Estimate (UJ) the nondetect result for antimony.
	Selenium	ND	-67.7	Estimate (UJ) the nondetect result for selenium.
	Tin	ND	-6.7	Estimate (UJ) the nondetect result for tin.
	Thallium	ND	24.7	Validation action was not required.
	Vanadium	267	4.0	Interference was <10%; No action taken.
	Zinc	658	-8.2	Interference was <10%; No action taken.

MS Results

The laboratory performed the MS on sample SB/MW-62 for metals and cyanide and also on sample FB 043009 for ICP metals. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS and the resulting validation actions.

Analyte	MS Sample	Recovery (%)	Actions
Arsenic	SB/MW-62	366	Estimate (J) the positive result for arsenic in sample SB/MW-62.
Barium		127	Estimate (J) the positive results for barium, copper, and zinc in samples SB-61, SB/MW-62, and CC-5.
Copper		274	
Zinc		126	

Laboratory Duplicate Results

The laboratory performed the duplicate analysis on sample SB/MW-62 for metals and cyanide and also on sample FB 043009 for ICP metals. The following table lists the

analytes which exhibited RPDs outside of the control limit and the resulting validation actions.

Analyte	Duplicate Sample	RPD (%)	Actions
Chromium	SB/MW-62	44	Estimate (J) the positive results for chromium in samples SB-61, SB/MW-62, and CC-5.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on sample SB/MW-62. All criteria were met.

Detection Limits Results

Due to the high target analyte levels, ICP sample SB-61 was analyzed at a five-fold dilution.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Site:	MacDermid Project, Waterbury, CT
Laboratory:	Test America, Shelton, CT
Report No.:	SPLP Analyses: 220-8900, 220-8920, 220-8934, 220-8960, 220-8986, 220-8994, 220-9062
Reviewer:	Lorie MacKinnon/GEI Consultants
Date:	June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB/MW-47 (24-25)	220-8900-03	SPLP Metals
SB/MW-48 (24-25)	220-8900-04	SPLP Metals
SB/MW-49 (1.5-2.5)	220-8920-01	SPLP Metals
SB/MW-50 (1.5-2.5)	220-8920-02	SPLP Metals
SB/MW-51 (1.5-2.5)	220-8920-03	SPLP Metals
SB-52 (1.5-2.5)	220-8934-01	SPLP Metals
SB/MW-53 (1.5-2.5)	220-8934-02	SPLP Metals
CC-1	220-8934-03	SPLP Metals
CC-2	220-8934-04	SPLP Metals
CC-3	220-8934-05	SPLP Metals
CC-4	220-8934-06	SPLP Metals
SB-54 (1.5-2.5)	220-8934-07	SPLP Metals
SB-55 (1.5-2.5)	220-8934-09	SPLP Metals
SB-59 (1-2)	220-8934-11	SPLP Metals
SB-60 (1-2)	220-8934-12	SPLP Metals
SB-61	220-8960-01	SPLP Metals
SB/MW-62	220-8960-02	SPLP Metals
CC-5	220-8960-03	SPLP Metals
CC-6	220-8986-01	SPLP Metals
CC-7	220-8986-02	SPLP Metals
CC-8	220-8986-03	SPLP Metals
SB-63 (1-5)	220-8986-06	SPLP Metals
SB-64 (1-3)	220-8986-07	SPLP Metals
SB-66 (5-7)	220-8986-09	SPLP Metals
SB-67 (2-3)	220-8986-10	SPLP Metals
SB-68 (2-5)	220-8986-11	SPLP Metals
SB-69 (2-5)	220-8986-12	SPLP Metals
SB-70 (2-5)	220-8986-13	SPLP Metals
SB-71 (12.5-14.5)	20-8994-01	SPLP Metals
SB-72 (12.5-14.5)	20-8994-02	SPLP Metals

SB-171 (12.5-14.5)	20-8994-03	SPLP Metals
CC-9	220-9062-01	SPLP Metals
CC-10	220-9062-02	SPLP Metals

Associated QC Samples(s):	Field Blanks:	None associated
	Field Duplicate pair:	SB-71 (12.5-14.5)/SB-171 (12.5-14.5)

The above-listed soil and concrete samples were collected on April 27, 28, 29, and 30 and May 1, 4, and 13, 2009 and were analyzed for select SPLP metals by SW-846 methods 6020. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

* • Overall Evaluation of Data and Potential Usability Issues
* • Data Completeness
* • Holding Times and Sample Preservation
* • Instrument Calibration
* • Contract Required Quantitation Limit (CRQL) Standard Recoveries
  • Blank Analysis Results
* • Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
* • Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
* • Laboratory Duplicate Results
* • Field Duplicate Results
* • Laboratory Control Sample (LCS) Results
* • Serial Dilution Results
* • Detection Limits Results
* • Sample Quantitation Results

* - All criteria were met for this parameter.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The positive results for chromium in samples CC-2, CC-3, CC-4, and SB-63 (1-5) and copper in sample CC-4 were qualified as nondetect (U) at the reported values due to laboratory blank contamination. The results are usable for project objectives as nondetects with elevated quantitation limits which may have a minor effect on the data usability.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met.

CRQL Standard Recoveries

All recovery criteria were met.

Blank Results

Analytes were detected in the metals laboratory blank samples. Analytes which were detected in the project samples at levels less than five times those in the blanks were qualified as nondetect (U). The following table summarizes the contamination.

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Chromium	Leachate Blank	SB/MW-47 (24-25), SB/MW-48 (24-25)	1.7 ug/L	8.5 ug/L
Lead	Method		0.61 ug/L	3.1 ug/L
Chromium	Leachate Blank	SB/MW-49 (1.5-2.5), SB/MW-50 (1.5-2.5), SB/MW-51 (1.5-2.5)	1.6 ug/L	8.0 ug/L
Lead	Method		0.61 ug/L	3.1 ug/L
Vanadium	Leachate Blank		0.56 ug/L	2.8 ug/L
Antimony	Instrument	SB-52 (1.5-2.5), SB/MW-53 (1.5-2.5), CC-1, CC-2, CC-3, CC-4, SB-54 (1.5-2.5), SB-55 (1.5-2.5), SB-59 (1-2), SB-60 (1-2)	0.33 ug/L, 1.65 ug/L	8.25 ug/L
Chromium	Leachate Blank		1.7 ug/L	8.5 ug/L
Copper	Leachate Blank		1.1 ug/L	5.5 ug/L
Lead	Method		0.61 ug/L	3.1 ug/L
Thallium	Instrument		0.29 ug/L, 1.45 ug/L	7.25 ug/L
Zinc	Method		3.9 ug/L	19.5 ug/L
Tin	Instrument		1.2 ug/L, 6.0 ug/L	30 ug/L
Antimony	Instrument	SB-61, SB/MW-62, CC-5	0.32 ug/L, 1.6 ug/L	8.0 ug/L
Chromium	Leachate Blank		1.5 ug/L	7.5 ug/L
Copper	Leachate Blank		1.3 ug/L	6.5 ug/L

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Lead	Instrument		0.11 ug/L, 0.55 ug/L	2.75 ug/L
Chromium	Leachate Blank	CC-6, CC-7, CC-8, SB-63 (1-5), SB-64 (1-3), SB-66 (5-7), SB-67 (2-3), SB-68 (2-5), SB-69 (2-5), SB-70 (2-5), SB-71 (12.5-14.5), SB-72 (12.5-14.5), SB-171 (12.5-14.5)	1.5 ug/L	7.5 ug/L
Lead	Instrument		0.11 ug/L, 0.55 ug/L	2.75 ug/L
Arsenic	Instrument	CC-9, CC-10	0.11 ug/L, 0.55 ug/L	2.75 ug/L
Chromium	Leachate Blank		1.4 ug/L	7.0 ug/L
Lead	Instrument		0.16 ug/L, 0.8 ug/L	4.0 ug/L

Blank Actions

If the sample result is < QL and < action level; report the result as nondetect (U) at the QL.
If the sample result is ≥ QL and < action level; report the sample result as nondetect (U) at the reported value.
For negative blank contamination ≥2 MDL; professional judgement was taken to estimate (J/UJ) those results which were less than the action level.

The positive results for chromium in samples CC-2, CC-3, CC-4, and SB-63 (1-5) and copper in sample CC-4 were qualified as nondetect (U) at the reporting values due to laboratory contamination.

ICP ICS Results

All analytes were recovered within control limits in the ICSAB sample analysis.

Results were not detected above the MDL in the ICSA analyses.

MS Results

The laboratory performed an MS/MSD analysis on sample CC-9. All criteria were met.

Laboratory Duplicate Results

The laboratory performed an MS/MSD analysis and laboratory duplicate analysis on sample CC-9. All criteria were met.

Field Duplicate Results

The field duplicate pair of SB-71 (12.5-14.5) and SB-171 (12.5-14.5) were identified. All results were nondetect in these samples.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on sample CC-9. All criteria were met.

Detection Limits Results

Dilutions were not required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-8986
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-6	220-8986-01	VOC, ETPH
CC-7	220-8986-02	VOC, ETPH
CC-8	220-8986-03	VOC, ETPH
Trip Blank 050109	220-8986-04	VOC
Field Blank 050109	220-8986-05	VOC
SB-63 (1-5)	220-8986-06	VOC, SVOC
SB-64 (1-3)	220-8986-07	VOC, SVOC
SB-66 (5-7)	220-8986-09	VOC, ETPH
SB-67 (2-3)	220-8986-10	VOC, ETPH
SB-68 (2-5)	220-8986-11	VOC, ETPH
SB-69 (2-5)	220-8986-12	VOC, ETPH
SB-70 (2-5)	220-8986-13	VOC, ETPH

Associated QC Samples(s): Field Blanks: Field blank 050109, Trip Blank 050109, EB-Chip (reported in 220-8934)
Field Duplicate pair: None associated

The above-listed soil and concrete chip samples, field blank, and trip blank sample were collected on May 1, 2009 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, semivolatile organic compounds (SVOCs) by SW-846 method 8270, and extractable total petroleum hydrocarbons (ETPH) by the CT method. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times and Sample Preservation
* • Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
  • Initial and Continuing Calibrations
  • Blanks
  • Surrogate Recoveries
  • Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results

	•	Laboratory Control Sample (LCS) Results
	•	Internal Standards
*	•	Moisture Content
NA	•	Field Duplicate Results
	•	Quantitation Limits and Data Assessment
*	•	Sample Quantitation and Compound Identification

* - All criteria were met.

NA – A field duplicate pair was not associated with this sample group.

All results are usable for project objectives.

Qualifications applied to the data as a result of sampling error are discussed below.

- The positive results for acetone in samples CC-7 and CC-8 were qualified as nondetect (U) at the reported values due to field blank contamination. The results can be used for project objectives as nondetects which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- The positive and nondetect results for dichlorodifluoromethane, 1,1,2-trichloro-1,2,2-trifluoroethane, acetone, and acrylonitrile in samples Trip blank 050109 and Field blank 050109 were qualified as estimated (J/UJ) due to continuing calibration nonconformances. The direction of the bias cannot be determined from these nonconformances. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive results for ethylbenzene, m,p-xylene, and o-xylene in sample CC-8 were qualified as estimated (J) due to high surrogate recoveries. The results may be biased high. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The positive and nondetect VOC results for sample CC-6 and all VOC results, with the exception of ethylbenzene, m,p-xylene, and o-xylene, in sample CC-8 were qualified as estimated (J/UJ) due to low surrogate recoveries. The results may be biased low. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive and nondetect results for all VOC results, with the exception of ethylbenzene, m,p-xylene, and o-xylene, in sample CC-8 were estimated (J/UJ) due to low internal standard recoveries. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The blank-qualified nondetect results for acetone in samples CC-7 and CC-8 were qualified as estimated (J) due to high LCS recovery. The results may be biased high. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The nondetect results for 2,4-dinitrophenol in samples SB-63 (1-5) and SB-64 (1-3) were qualified as estimated (UJ) due to low LCS recovery. The results may be biased low. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met in the VOC, SVOC, and ETPH analyses.

GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

Initial and Continuing Calibrations

SVOCs and ETPH

All criteria were met.

VOC

Compounds that did not meet criteria in the VOC continuing calibrations are summarized in the following table.

Instrument ID MSV Compound	CC 05/14/09 13:42	CC 05/15/09 11:00
Dichlorodifluoromethane	XX (41.8%)	XX (43.1%)

Instrument ID MSV Compound	CC 05/14/09 13:42	CC 05/15/09 11:00
1,1,2-Trichloro-1,2,2-trifluoroethane	XX (38.0%)	XX (38.7%)
Acetone	XX (25.6%)	
Acrylonitrile	XX (27.7%)	
Carbon tetrachloride		XX (34.3%)
Samples Affected	Trip blank 050109, Field blank 050109	Medium level analyses of CC-7 and CC-8

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (J) positive results.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The positive and nondetect results for dichlorodifluoromethane, 1,1,2-trichloro-1,2,2-trifluoroethane, acetone, and acrylonitrile in samples Trip blank 050109 and Field blank 050109 were estimated (J/UJ) due to continuing calibration nonconformances.

Validation actions were not required for dichlorodifluoromethane, 1,1,2-trichloro-1,2,2-trifluoroethane, and carbon tetrachloride in the medium level analyses as these compounds were not reported from the medium levels.

Blanks

VOC and SVOC

Target compounds were detected below the reporting limits in select method blanks, field and trip blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at 10x (for common contaminants) and 5x (for other compounds) the concentrations detected. The following table lists the highest level of compounds detected in the VOC laboratory blanks.

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Acetone	Method	1.1 ug/L	11 ug/L	Trip Blank 050109, Field Blank 050109
Methylene chloride	Method	0.90 ug/L	9.0 ug/L	
Methyl ethyl ketone	Method	320 ug/kg	1600 ug/kg	Medium level analyses: CC-

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Chloromethane	Method	83 ug/kg	415 ug/kg	7 and CC-8
Acetone	FB 050109	8.0 ug/L, 8.0 ug/kg	80 ug/kg	All solid samples
Toluene	TB 050109	0.58 ug/L, 0.58 ug/kg	5.8 ug/kg	
Bis (2-ethylhexyl)phthalate	Method	140 ug/kg	700 ug/kg	SB-63 (1-5), SB-64 (1-3)

The positive results for acetone in samples CC-7 and CC-8 were qualified as nondetect (U) at the reported values due to field blank contamination.

ETPH

Target compounds were not detected above the reporting limits in the associated method blank samples.

Surrogate Recoveries

ETPH and SVOC

All criteria were met for samples analyzed at dilutions less than 10-fold.

VOCs

The following table lists the surrogates recovered outside of control limits and the resulting actions.

Sample Soil Limits	DBFM 59-123	DCE 59-132	Tol-d8 50-118	BFB 34-124	Validation actions
CC-6	11%	-	-	-	Estimate (J/UJ) the positive and nondetect results.
CC-6 RE	0%	-	-	-	Validation action was not required as the original analysis was not reported.
CC-8	29%	-	-	-	Estimate (J/UJ) the positive and nondetect results.
CC-8 Med	126%	-	-	-	Estimate (J) the positive results for ethylbenzene, m,p-xylene, and o-xylene, which were reported from the medium level analysis.

- Criteria met

MS/MSD Results

MS/MSDs were not associated with the VOC, SVOC, and EPTH analyses. Validation action was not required on this basis.

Internal Standards

The following table lists the internal standards recovered outside of control limits and the resulting actions.

Sample	Internal Standard	Recovery (%)	Validation actions
CC-8	Fluorobenzene	36.8	Estimate (J/UJ) the positive and nondetect results for all results, with the exception of ethylbenzene, m,p-xylene, and o-xylene, which were reported from the medium level analysis with acceptable IS areas.
	Chlorobenzene-d5	36.2	
	1,4-dichlorobenzene-d4	34.4	

LCS Results

ETPH

All criteria were met in the ETPH analyses.

VOC and SVOC

The following table lists the compounds recovered outside of control limits in the LCS analyses and the resulting actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Acetone	241	80-150	CC-6 RE, SB-70 (2-5)	Validation actions were not required as the reanalysis of sample CC-6 was not reported and all affected results in sample SB-70 (2-5) were nondetect and therefore not affected by the potential high bias.
Methyl ethyl ketone	165	80-150		
Chloromethane	150	69-143		
Trans-1,4-dichloro-2-butene	132	69-120		
Dichlorodifluoromethane	195	65-150		
Vinyl chloride	141	70-137		

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Acetone	244	80-150	CC-6, CC-7, CC-8, SB-63 (1-5), SB-64 (1-3), SB-66 (5-7), SB-67 (2-3), SB-68 (2-5), SB-69 (2-5)	Estimate (UJ) the blank-qualified nondetect results for acetone in samples CC-7 and CC-8.
Methyl ethyl ketone	203	80-150	CC-6, CC-7, CC-8, SB-63 (1-5), SB-64 (1-3), SB-66 (5-7), SB-67 (2-3), SB-68 (2-5), SB-69 (2-5)	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Trans-1,4-dichloro-2-butene	151	69-120		
2-Hexanone	177	76-150		
Methyl isobutyl ketone	141	74-136		
Dichlorodifluoromethane	164	30-150	FB 050109, TB 050109	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
1,1,2-Trichloro-1,2,2-trifluoroethane	151	66-143		
Acetone	201	46-150	Medium level analyses of samples CC-7 and CC-8	Validation actions were not required as the affected results were not reported from the medium level analyses.
Dichlorodifluoromethane	179	71-150		
Methyl tert-butyl ether	69	75-124		
1,1,2-Trichloro-1,2,2-trifluoroethane	164	57-150		
2,4-Dinitrophenol	31	33-120	SB-63 (1-5), SB-64 (1-3)	Estimate (UJ) the nondetect results for 2,4-dinitrophenol in the associated samples.

Moisture Content

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

Quantitation Limits and Data Assessment

The following table lists the sample dilutions and analyses which were performed and reported.

Sample	VOC Analysis Reported	ETPH Analysis Reported
SB-66 (5-7)	NR	A 25-fold dilution analysis was performed.
CC-7	Due to poor surrogate recoveries, the sample was re-extracted as a medium level analysis. Report the results for ethylbenzene, m,p-xylene, and o-xylene from the medium level analysis. Report all other results from the low level analysis.	A 10-fold dilution analysis was performed.
CC-8	Due to poor surrogate recoveries, the sample was re-extracted as a medium level analysis. Report the results for ethylbenzene, m,p-xylene, and o-xylene from the medium level analysis. Report all other results from the low level analysis.	A 50-fold dilution analysis was performed.
CC-6	Due to poor surrogate recoveries, the sample was re-extracted. As matrix interference was confirmed in the re-extraction, the original analysis was reported.	NR

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC, SVOC, and ETPH analyses.

Site:	MacDermid Project, Waterbury, CT
Laboratory:	Test America, Shelton, CT
Report No.:	220-8986
Reviewer:	Lorie MacKinnon/GEI Consultants
Date:	June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-6	220-8986-01	Metals, Cyanide
CC-7	220-8986-02	Metals, Cyanide
CC-8	220-8986-03	Metals, Cyanide
SB-63 (1-5)	220-8986-06	Metals, Cyanide
SB-64 (1-3)	220-8986-07	Metals, Cyanide
SB-66 (5-7)	220-8986-09	Metals, Cyanide
SB-67 (2-3)	220-8986-10	Metals, Cyanide
SB-68 (2-5)	220-8986-11	Metals, Cyanide
SB-69 (2-5)	220-8986-12	Metals, Cyanide
SB-70 (2-5)	220-8986-13	Metals, Cyanide

Associated QC Samples(s):	Field Blanks:	FB 043009 (reported in 220-8960)
	Field Duplicate pair:	None associated

The above-listed soil samples were collected on May 1, 2009 and were analyzed for select metals by SW-846 methods 6010B/7471A and cyanide by SW-846 method 9012B. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- * Overall Evaluation of Data and Potential Usability Issues
- * Data Completeness
- * Holding Times and Sample Preservation
- * Instrument Calibration
- * Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Duplicate Results
- NA Field Duplicate Results
- * Laboratory Control Sample (LCS) Results
- * Serial Dilution Results
- * Moisture Content
- * Detection Limits Results

* • Sample Quantitation Results

* - All criteria were met for this parameter.

NA- A field duplicate pair was not associated with this sample group.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for silver, cadmium, antimony, selenium, and tin in samples CC-6, CC-7, and CC-8 were qualified as estimated (UJ) due to negative interferences in the ICSA sample analysis. The results may be biased low. The results are usable for project objectives as nondetects with estimated quantitation limits which may have a minor effect on the data usability.

- The positive results for barium, copper, and zinc in all soil samples were qualified as estimated (J) due to high recoveries in the MS analysis. The result may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

- The positive results for chromium in all soil samples were qualified as estimated (J) due to the high relative percent difference (RPD) in the laboratory duplicate analysis. The direction of the bias cannot be determined from this nonconformance. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met

CRQL Standard Recoveries

All criteria were met.

Blank Results

Analytes were detected in the metals laboratory blank samples. Analytes which were detected in the project samples at levels less than five times those in the blanks were qualified as nondetect (U). The following table summarizes the contamination.

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Barium	Instrument	All samples	1.2 ug/L, 0.15 mg/kg	0.75 mg/kg
Cadmium	Method	All samples	0.30 mg/kg	1.5 mg/kg
Zinc	Instrument	All samples	18.0 ug/L, 2.25 mg/kg	11.3 mg/kg
Tin	Method	All samples	1.2 mg/kg	6.0 mg/kg

Blank ActionsMethod

If the sample result is < QL and < action level; report the result as nondetect (U) at the QL.
If the sample result is ≥ QL and < action level; report the sample result as nondetect (U) at the reported value.
For negative blank contamination ≥2 MDL; professional judgement was taken to estimate (J/UJ) those results which were less than the action level.

Validation actions were not required on this basis.

Target analytes were not detected in the associated field blank FB 043009, which was reported in case number 220-8960.

ICP ICS Results

All analytes were recovered within control limits in the ICSAB sample analysis.

Positive results for arsenic, barium, chromium, copper, thallium, and vanadium and negative results for silver, beryllium, cadmium, nickel, antimony, selenium, tin, and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with all samples. Sample interferents levels were reviewed. Calcium was present in samples CC-6 (130%), CC-7 (99%), and CC-8 (136%) at greater levels than that of the ICSA solution. The following table lists the estimated interferences and resulting validation actions.

Sample	Analyte	Sample Result (ug/L)	Estimated Interference (ug/L)	Actions
CC-6	Silver	ND	-2.6	Estimate (UJ) the nondetect result for silver.
	Arsenic	ND	22.4	Validation action was not required.
	Barium	739	5.6	Interference was <10%; No action taken.
	Beryllium	ND	-0.85	Interference was <10%; No action taken.
	Cadmium	ND	-6.8	Estimate (UJ) the nondetect result for cadmium.
	Chromium	179	0.91	Interference was <10%; No action taken.
	Copper	199	2.7	Interference was <10%; No action taken.
	Nickel	123	-8.1	Interference was <10%; No action taken.
	Antimony	ND	-9.1	Estimate (UJ) the nondetect result for antimony.
	Selenium	ND	-66.7	Estimate (UJ) the positive result for selenium.
	Tin	ND	-6.6	Estimate (UJ) the nondetect result for tin.
	Thallium	ND	24.3	Validation action was not required.
	Vanadium	284	3.9	Interference was <10%; No action taken.
	Zinc	243	-8.1	Interference was <10%; No action taken.
CC-7	Silver	ND	-2.0	Estimate (UJ) the nondetect result for silver.
	Arsenic	ND	17.0	Validation action was not required.
	Barium	963	4.3	Interference was <10%; No action taken.
	Beryllium	ND	-0.64	Interference was <10%; No action taken.
	Cadmium	ND	-5.1	Estimate (UJ) the nondetect result for cadmium.
	Chromium	142	0.69	Interference was <10%; No action taken.
	Copper	87.5	2.1	Interference was <10%; No action taken.
	Nickel	87	-6.1	Interference was <10%; No action taken.
	Antimony	ND	-6.9	Estimate (UJ) the nondetect result for antimony.
	Selenium	ND	-50.8	Estimate (UJ) the nondetect result for selenium.
	Tin	ND	-5.1	Estimate (UJ) the nondetect result for tin.
	Thallium	ND	18.5	Validation action was not required.
	Vanadium	253	3.0	Interference was <10%; No action taken.
	Zinc	276	-6.1	Interference was <10%; No action taken.

Sample	Analyte	Sample Result (ug/L)	Estimated Interference (ug/L)	Actions
CC-8	Silver	ND	-2.7	Estimate (UJ) the nondetect result for silver.
	Arsenic	ND	23.4	Validation action was not required.
	Barium	1940	5.8	Interference was <10%; No action taken.
	Beryllium	ND	-0.88	Interference was <10%; No action taken.
	Cadmium	ND	-7.1	Estimate (UJ) the nondetect result for cadmium.
	Chromium	202	-0.95	Interference was <10%; No action taken.
	Copper	133	2.9	Interference was <10%; No action taken.
	Nickel	135	-8.4	Interference was <10%; No action taken.
	Antimony	ND	-9.5	Estimate (UJ) the nondetect result for antimony.
	Selenium	ND	-69.8	Estimate (UJ) the nondetect result for selenium.
	Tin	ND	-6.9	Estimate (UJ) the nondetect result for tin.
	Thallium	ND	25.4	Validation action was not required.
	Vanadium	334	4.1	Interference was <10%; No action taken.
	Zinc	274	-8.4	Interference was <10%; No action taken.

MS Results

The laboratory performed the MS on sample SB/MW-62 for metals (reported in 220-8960), SB-70 (2-5) for mercury, and samples SB-66 (5-7) and SB-70 (2-5) for cyanide. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS and the resulting validation actions.

Analyte	MS Sample	Recovery (%)	Actions
Arsenic	SB/MW-62	366	Validation actions were not required as all results for arsenic were nondetect and therefore not affected by the potential high bias.
Barium		127	Estimate (J) the positive results for barium, copper, and zinc in all soil samples.
Copper		274	
Zinc		126	

Laboratory Duplicate Results

The laboratory performed the duplicate analysis on sample SB/MW-62 for metals (reported in 220-8960), SB-70 (2-5) for mercury, and samples SB-66 (5-7) and SB-70 (2-5) for cyanide. The following table lists the analytes which exhibited RPDs outside of the control limit and the resulting validation actions.

Analyte	Duplicate Sample	RPD (%)	Actions
Chromium	SB/MW-62	44	Estimate (J) the positive results for chromium in all soil samples.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on sample SB/MW-62 (reported in case number 220-8960). All criteria were met.

Detection Limits Results

Dilutions were not required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Site:	MacDermid Project, Waterbury, CT
Laboratory:	Test America, Shelton, CT
Report No.:	220-9062
Reviewer:	Lorie MacKinnon/GEI Consultants
Date:	June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-9	220-9062-01	VOC, ETPH
CC-10	220-9062-02	VOC, ETPH
FB 051309	220-9062-03	VOC
TB 051309	220-9062-04	VOC

Associated QC Samples(s): Field Blanks: FB 051309, TB 051309
Field Duplicate pair: None associated

The above-listed concrete chip samples, field blank, and trip blank sample were collected on May 13, 2009 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B and extractable total petroleum hydrocarbons (ETPH) by the CT method. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

*	•	Data Completeness
	•	Holding Times and Sample Preservation
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	•	Initial and Continuing Calibrations
*	•	Blanks
	•	Surrogate Recoveries
	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
	•	Laboratory Control Sample (LCS) Results
	•	Internal Standards
*	•	Moisture Content
NA	•	Field Duplicate Results
	•	Quantitation Limits and Data Assessment
*	•	Sample Quantitation and Compound Identification

* - All criteria were met.

NA – A field duplicate pair was not associated with this sample group.

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The positive and nondetect VOC results for sample CC-10 and all VOC results, with the exception of styrene, in sample CC-9 were estimated (J/UJ) due to low surrogate recoveries. The results may be biased low. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive results for acetone in samples CC-9 and CC-10 were qualified as estimated (J) due to high LCS recovery. The results may be biased high. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The nondetect results for carbon disulfide in samples CC-9 and CC-10 were qualified as estimated (UJ) due to low LCS recovery. The results may be biased low. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met in the VOC and ETPH analyses.

The cooler temperature was noted to be 10.3 degrees Celsius upon receipt at the laboratory. Validation action was not taken on this basis. As the sample cooler was packed on 05/13 at 11:40 and received at the laboratory 05/13 at 12:57, the cooler was not able to reach the acceptable temperature of six degrees.

GC/MS Tunes

All criteria were met in the VOC analyses.

Initial and Continuing Calibrations

ETPH

All criteria were met.

VOC

Compounds that did not meet criteria in the VOC continuing calibrations are summarized in the following table.

Instrument ID MSV Compound	CC 05/27/09 11:33
Dichlorodifluoromethane	XX (41.5%)
Trichlorofluoromethane	XX (43.1%)
2,2-Dichloropropane	XX (30.7%)
Carbon tetrachloride	XX (38.3%)
1,1,1-Trichloroethane	XX (30.5%)
Samples Affected	CC-9 Med

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (J) positive results.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

Validation actions were not required on this basis as the affected results were not reported from the medium level analysis.

Blanks

Target compounds were not detected above the reporting limits in the associated method blanks, field blank, and trip blank samples.

Surrogate Recoveries

ETPH

All criteria were met for samples analyzed at dilutions less than 10-fold.

VOCs

The following table lists the surrogates recovered outside of control limits and the resulting actions.

Sample Soil Limits	DBFM 59-123	DCE 59-123	Tol-d8 50-118	BFB 34-124	Validation actions
CC-9	10%	-	-	-	Estimate (J/UJ) the positive and nondetect results in sample CC-9, with the exception of styrene which was reported from the medium level analysis with acceptable surrogate recoveries.
CC-9 RE	12%	-	-	-	Validation action was not required as the original analysis was reported.
CC-10	15%	-	-	-	Estimate (J/UJ) the positive and nondetect results in sample CC-10.

- Criteria met

MS/MSD Results

MS/MSDs were performed on sample CC-9 for the medium level VOC and ETPH analyses. All criteria were met in the ETPH MS/MSD. The recoveries for trichlorofluoromethane (35, 33), trichloroethene (170, 174), 1,1,2,2-tetrachloroethane (2,1), dichlorodifluoromethane (MSD 155), chloroethane (MSD 55), and 1,2-dichloroethane (MSD 129) were outside of control limits. Validation action was not required on this basis as these compounds were not reported from the medium level analysis.

Internal Standards

The following table lists the internal standards recovered outside of control limits and the resulting actions.

Sample	Internal Standard	Recovery (%)	Validation actions
CC-9 RE	1,4-dichlorobenzene-d4	43.7	Validation action was not required as the original analysis was reported with acceptable IS areas.

LCS Results

VOC

The following table lists the compounds recovered outside of control limits in the LCS VOC analyses and the resulting actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Acetone	230	80-150	CC-9, CC-9 RE, CC-10	Estimate (J) the positive results for acetone in samples CC-9 and CC-10.
Carbon disulfide	60	80-142	CC-9, CC-9 RE, CC-10	Estimate (UJ) the nondetect results for carbon disulfide in samples CC-9 and CC-10.
Trans-1,4-dichloro-2-butene	136	69-120	CC-9, CC-9 RE, CC-10	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Trans-1,4-dichloro-2-butene	136	55-120	FB 051309, TB 051309	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Methyl ethyl ketone	184	42-150		
Acetone	234	41-150		
Acetone	197	46-150	CC-9 Medium Level	Validation actions were not required as the affected results were not reported from the medium level analysis.
Carbon tetrachloride	138	63-136		
Dichlorodifluoromethane	210	71-150		
1,1-Dichloroethene	148	63-147		
Trichlorofluoromethane	165	60-150		

ETPH

All criteria were met in the ETPH analyses.

Moisture Content

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

Quantitation Limits and Data Assessment

The following table lists the sample dilutions and analyses which were performed and reported.

Sample	VOC Analysis Reported	ETPH Analysis Reported
CC-9	Due to poor surrogate recoveries, the sample was re-extracted. As matrix interference was confirmed in the re-extraction, the original analysis was reported. Report the result for styrene from the medium level analysis. As the result for styrene was above the lowest calibration standard, the 'J' qualifier was removed.	NR

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC and ETPH analyses.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-9062
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-9	220-9062-01	Metals, Cyanide
CC-10	220-9062-02	Metals, Cyanide
Associated QC Samples(s):	Field Blanks:	FB 043009 (reported in 220-8960) EB-Chip (reported in 220-8934)
	Field Duplicate pair:	None associated

The above-listed concrete samples were collected on May 13, 2009 and were analyzed for select metals by SW-846 methods 6010B/7471A and cyanide by SW-846 method 9012B. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

* • Overall Evaluation of Data and Potential Usability Issues
* • Data Completeness
• Holding Times and Sample Preservation
* • Instrument Calibration
* • Contract Required Quantitation Limit (CRQL) Standard Recoveries
• Blank Analysis Results
• Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
• Laboratory Duplicate Results
NA • Field Duplicate Results
* • Laboratory Control Sample (LCS) Results
* • Serial Dilution Results
* • Moisture Content
* • Detection Limits Results
* • Sample Quantitation Results

* - All criteria were met for this parameter.

NA – A field duplicate pair was not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The positive and nondetect results for silver, cadmium, cobalt, copper, antimony, and selenium in samples CC-9 and CC-10 were qualified as estimated (J/UJ) due to negative interferences in the ICSA sample analysis. The results may be biased low. The results are usable for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor effect on the data usability.

- The positive results for chromium and zinc in all samples were qualified as estimated (J) due to high recoveries in the MS/MSD analyses. The result may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

- The positive and nondetect results for antimony, selenium, and lead in all samples were qualified as estimated (J/UJ) due to low recoveries in the MS/MSD analyses. The result may be biased low. The results are usable for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor effect on the data usability.

- The positive results for chromium in all samples were qualified as estimated (J) due to high relative percent difference (RPD) in the MS/MSD analysis. The direction of the bias cannot be determined from this nonconformance. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All holding time criteria were met.

The cooler temperature was noted to be 10.3 degrees Celsius upon receipt at the laboratory. Validation action was not taken on this basis. As the sample cooler was packed on 05/13 at 11:40 and received at the laboratory 05/13 at 12:57, the cooler was not able to reach the acceptable temperature of six degrees.

Instrument Calibration

All recovery criteria were met.

CRQL Standard Recoveries

All recovery criteria were met.

Blank Results

Analytes were detected in the metals laboratory blank samples. Analytes which were detected in the project samples at levels less than five times those in the blanks were qualified as nondetect (U). The following table summarizes the contamination.

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Barium	Instrument	All samples	0.87 ug/L, 0.11 mg/kg	0.55 mg/kg
Copper	Instrument	All samples	4.2 ug/L, 0.53 mg/kg	2.6 mg/kg
Lead	Instrument	All samples	5.1 ug/L, 0.64 mg/kg	3.2 mg/kg

Blank Actions

If the sample result is < QL and < action level; report the result as nondetect (U) at the QL.
If the sample result is ≥ QL and < action level; report the sample result as nondetect (U) at the reported value.
For negative blank contamination ≥2 MDL; professional judgement was taken to estimate (J/UJ) those results which were less than the action level.

Validation actions were not required on this basis.

Target analytes were not detected in the associated field blank FB 043009, which was reported in case number 220-8960 and the associated equipment blank sample EB-Chip, which was reported in case number 220-8934.

ICP ICS Results

All analytes were recovered within control limits in the ICSAB sample analysis.

Positive results for barium, thallium, and vanadium and negative results for silver, beryllium, cadmium, cobalt, copper, nickel, antimony, and selenium were detected above the method detection limit (MDL) in the ICSA solution analysis associated with all samples. Sample interferents levels were reviewed. Calcium was present in samples CC-9 (135%) and CC-10 (122%) at greater levels than that of the ICSA solution. The following table lists the estimated interferences and resulting validation actions.

Sample	Analyte	Sample Result (ug/L)	Estimated Interference (ug/L)	Actions
CC-9	Silver	ND	-1.8	Estimate (UJ) the nondetect result for silver.
	Barium	501	5.8	Interference was <10%; No action taken.
	Beryllium	ND	-0.9	Interference was <10%; No action taken.
	Cadmium	ND	-4.7	Estimate (UJ) the nondetect result for cadmium.
	Cobalt	27.7	-4.0	Estimate (J) the positive result for cobalt.
	Copper	137	-22.8	Estimate (J) the positive result for copper.
	Nickel	47.5	-4.1	Interference was <10%; No action taken.
	Antimony	ND	-11.5	Estimate (UJ) the nondetect result for antimony.
	Selenium	ND	-66.6	Estimate (UJ) the nondetect result for selenium.
	Thallium	ND	21.9	Validation action was not required.
	Vanadium	143	4.3	Interference was <10%; No action taken.
CC-10	Silver	ND	-1.6	Estimate (UJ) the nondetect result for silver.
	Barium	380	5.2	Interference was <10%; No action taken.
	Beryllium	ND	-0.80	Interference was <10%; No action taken.
	Cadmium	ND	-4.3	Estimate (UJ) the nondetect result for cadmium.
	Cobalt	24.3	-3.7	Estimate (J) the positive result for cobalt.
	Copper	102.5	-20.6	Estimate (J) the positive result for copper.
	Nickel	116	-3.7	Interference was <10%; No action taken.
	Antimony	ND	-10.4	Estimate (UJ) the nondetect result for antimony.
	Selenium	ND	-60.1	Estimate (UJ) the nondetect result for selenium.
	Thallium	ND	20.0	Validation action was not required.
	Vanadium	117.4	3.9	Interference was <10%; No action taken.

MS Results

The laboratory performed an MS/MSD analysis on sample CC-9 for metals and cyanide. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS and the resulting validation actions.

Analyte	MS Sample	Recovery (%)	Actions
Antimony	CC-9	49, 38	Estimate (J/UJ) the positive and nondetect results for antimony, selenium, and lead in all samples.
Selenium		43, 64	
Lead		MSD 61	
Chromium		MS 443	Estimate (J) the positive results for chromium and zinc in all samples.
Zinc		MS 175	

Laboratory Duplicate Results

The laboratory performed an MS/MSD analysis on sample CC-9 for metals and cyanide and a duplicate analysis on sample CC-9 for mercury. All criteria were met in the laboratory duplicate analysis. The MS/MSD RPD for chromium (69%) exceeded the control limit of 35 in the MS/MSD. The positive results for chromium in all samples were estimated (J).

Field Duplicate Results

A field duplicate pair was not associated with this sample set.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on sample SB/MW-62 (reported in 220-8960). All criteria were met.

Moisture Content

All criteria were met.

Detection Limits Results

Dilutions were not required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-1**

Lab Sample ID: 220-8934-3
Client Matrix: Solid

% Moisture: 2.9

Date Sampled: 04/29/2009 1030
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1709
Date Prepared: 04/29/2009 1800

Analysis Batch: 220-26843
Prep Batch: 220-26845

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0374.D
Initial Weight/Volume: 6.06 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~16~~ MJ	~~J~~	1.9	17
Acrylonitrile	~~4.2~~ R	U	1.2	4.2
Benzene	4.2	U	0.48	4.2
Bromobenzene	4.2	U	0.45	4.2
n-Butylbenzene	4.2	U	0.96	4.2
sec-Butylbenzene	4.2	U	0.45	4.2
tert-Butylbenzene	4.2	U	0.25	4.2
Bromodichloromethane	4.2	U	0.25	4.2
Bromoform	4.2	U	0.52	4.2
Bromomethane	4.2	U	1.8	4.2
Methyl Ethyl Ketone	8.5	U	1.4	8.5
Chlorobenzene	4.2	U	0.50	4.2
Carbon disulfide	4.2	U*	0.35	4.2
Carbon tetrachloride	4.2	U	0.81	4.2
Chloroethane	4.2	U	0.83	4.2
Chloroform	4.2	U	0.29	4.2
Chloromethane	4.2	U	0.66	4.2
2-Chlorotoluene	4.2	U	0.54	4.2
4-Chlorotoluene	4.2	U	0.54	4.2
Dibromochloromethane	4.2	U	0.30	4.2
1,2-Dibromo-3-Chloropropane	8.5	U	3.8	8.5
1,2-Dibromoethane	4.2	U	0.65	4.2
Dibromomethane	4.2	U	0.54	4.2
1,2-Dichlorobenzene	4.2	U	0.20	4.2
1,3-Dichlorobenzene	4.2	U	0.18	4.2
1,4-Dichlorobenzene	4.2	U	0.57	4.2
trans-1,4-Dichloro-2-butene	8.5	U*	0.95	8.5
Dichlorodifluoromethane	4.2	U	0.30	4.2
1,1-Dichloroethane	4.2	U	0.25	4.2
1,2-Dichloroethane	4.2	U	0.49	4.2
1,1-Dichloroethene	4.2	U	0.49	4.2
cis-1,2-Dichloroethene	4.2	U	0.31	4.2
trans-1,2-Dichloroethene	4.2	U	0.33	4.2
1,2-Dichloropropane	4.2	U	0.57	4.2
1,3-Dichloropropane	4.2	U	0.58	4.2
2,2-Dichloropropane	4.2	U	0.59	4.2
1,1-Dichloropropene	21	U	0.48	21
cis-1,3-Dichloropropene	4.2	U	0.48	4.2
trans-1,3-Dichloropropene	4.2	U	0.23	4.2
Ethylbenzene	4.2	U	0.59	4.2
Hexachlorobutadiene	4.2	U	0.53	4.2
2-Hexanone	8.5	U	1.0	8.5
Isopropylbenzene	4.2	U	0.16	4.2
4-Isopropyltoluene	4.2 R	~~J~~	0.45	4.2

do not report

JAM 5/12/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-1**

Lab Sample ID: 220-8934-3
Client Matrix: Solid

% Moisture: 2.9

Date Sampled: 04/29/2009 1030
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1709
Date Prepared: 04/29/2009 1800

Analysis Batch: 220-26843
Prep Batch: 220-26845

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0374.D
Initial Weight/Volume: 6.06 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~17~~ R	~~U~~	0.93	17
methyl isobutyl ketone	4.2	U	0.47	4.2
Methyl tert-butyl ether	4.2	U	0.18	4.2
Naphthalene	4.2	U	0.25	4.2
N-Propylbenzene	4.2	U	0.52	4.2
Styrene	3.0	J	0.13	4.2
1,1,1,2-Tetrachloroethane	4.2	U	0.44	4.2
1,1,2,2-Tetrachloroethane	~~4.2~~ R	~~U~~	0.44	4.2
Toluene	~~0.29~~ 4.2UJ	~~J~~	0.063	4.2
Tetrachloroethene	~~4.2~~ R	~~U~~	0.69	4.2
Tetrahydrofuran	17	U	5.2	17
1,2,3-Trichlorobenzene	4.2	U	0.53	4.2
1,2,4-Trichlorobenzene	4.2	U	0.64	4.2
1,1,1-Trichloroethane	4.2	U	0.45	4.2
1,1,2-Trichloroethane	4.2	U	0.31	4.2
Trichloroethene	4.2	U	0.69	4.2
Trichlorofluoromethane	4.2	U	0.13	4.2
1,2,3-Trichloropropane	4.2	U	0.78	4.2
1,1,2-Trichloro-1,2,2-trifluoroethane	4.2	U	0.67	4.2
1,2,4-Trimethylbenzene	4.2	U	0.65	4.2
1,3,5-Trimethylbenzene	4.2	U	0.42	4.2
Vinyl chloride	4.2	U	0.20	4.2
m&p-Xylene	4.2	U	0.30	4.2
o-Xylene	~~4.2~~ R	~~U~~	0.16	4.2

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		59 - 132
4-Bromofluorobenzene	96		34 - 124
Dibromofluoromethane	0	*	59 - 123
Toluene-d8 (Surr)	89		50 - 118

JPM 5/26/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-1**

Lab Sample ID: 220-8934-3
Client Matrix: Solid
% Moisture: 2.9

Date Sampled: 04/29/2009 1030
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-26847		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-26845		Lab File ID:	O0393.D
Dilution:	1.0			Initial Weight/Volume:	4.15 g
Date Analyzed:	05/04/2009 1358	Run Type: RA		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 1800				

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	59 - 132
4-Bromofluorobenzene	92	34 - 124
Dibromofluoromethane	27 *	59 - 123
Toluene-d8 (Surr)	86	50 - 118

Method:	8260B	Analysis Batch: 220-26847		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-26845		Lab File ID:	O0393.D
Dilution:	1.0			Initial Weight/Volume:	4.15 g
Date Analyzed:	05/04/2009 1358	Run Type: RA		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 1800				

Analyte	Dry/Wt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~19~~ 25UJ.	~~J B~~	2.8	25
Acrylonitrile	6.2	U J.	1.7	6.2
Benzene	6.2	U	0.71	6.2
Bromobenzene	6.2	U	0.66	6.2
n-Butylbenzene	6.2	U	1.4	6.2
sec-Butylbenzene	6.2	U	0.66	6.2
tert-Butylbenzene	6.2	U	0.36	6.2
Bromodichloromethane	6.2	U	0.37	6.2
Bromoform	6.2	U	0.76	6.2
Bromomethane	6.2	U*	2.6	6.2
Methyl Ethyl Ketone	12	U	2.0	12
Chlorobenzene	6.2	U	0.73	6.2
Carbon disulfide	6.2	U*	0.51	6.2
Carbon tetrachloride	6.2	U	1.2	6.2
Chloroethane	6.2	U	1.2	6.2
Chloroform	6.2	U	0.42	6.2
Chloromethane	6.2	U	0.97	6.2
2-Chlorotoluene	6.2	U	0.79	6.2
4-Chlorotoluene	6.2	U	0.78	6.2
Dibromochloromethane	6.2	U	0.43	6.2
1,2-Dibromo-3-Chloropropane	12	U	5.6	12
1,2-Dibromoethane	6.2	U	0.94	6.2
Dibromomethane	6.2	U	0.79	6.2
1,2-Dichlorobenzene	6.2	U	0.30	6.2
1,3-Dichlorobenzene	6.2	U	0.26	6.2
1,4-Dichlorobenzene	6.2	U	0.83	6.2
trans-1,4-Dichloro-2-butene	12	U*	1.4	12
Dichlorodifluoromethane	6.2	U	0.43	6.2
1,1-Dichloroethane	6.2	U	0.37	6.2
1,2-Dichloroethane	6.2	U J.	0.72	6.2

JM 5/24/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-1**

Lab Sample ID: 220-8934-3
Client Matrix: Solid
% Moisture: 2.9

Date Sampled: 04/29/2009 1030
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/04/2009 1358
Date Prepared: 04/29/2009 1800

Analysis Batch: 220-26847
Prep Batch: 220-26845
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0393.D
Initial Weight/Volume: 4.15 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethene	6.2	U J.	0.72	6.2
cis-1,2-Dichloroethene	6.2	U	0.46	6.2
trans-1,2-Dichloroethene	6.2	U	0.48	6.2
1,2-Dichloropropane	6.2	U	0.83	6.2
1,3-Dichloropropane	6.2	U	0.84	6.2
2,2-Dichloropropane	6.2	U	0.86	6.2
1,1-Dichloropropene	31	U	0.71	31
cis-1,3-Dichloropropene	6.2	U	0.69	6.2
trans-1,3-Dichloropropene	6.2	U	0.34	6.2
Ethylbenzene	6.2	U	0.87	6.2
Hexachlorobutadiene	6.2	U	0.77	6.2
2-Hexanone	12	U	1.5	12
Isopropylbenzene	6.2	U	0.24	6.2
4-Isopropyltoluene	6.2	U	0.66	6.2
Methylene Chloride	25	U	1.4	25
methyl isobutyl ketone	6.2	U	0.68	6.2
Methyl tert-butyl ether	6.2	U	0.26	6.2
Naphthalene	6.2	U	0.36	6.2
N-Propylbenzene	6.2	U J.	0.76	6.2
Styrene	~~2.5~~ 6.2UJ ✓	~~J~~	0.19	6.2
1,1,1,2-Tetrachloroethane	6.2	U J.	0.65	6.2
1,1,2,2-Tetrachloroethane	6.2	U J.	0.65	6.2
Toluene	~~0.32~~ 6.2UJ ✓	~~J~~	0.092	6.2
Tetrachloroethene	6.2	U J.	1.0	6.2
Tetrahydrofuran	25	U	7.6	25
1,2,3-Trichlorobenzene	6.2	U	0.77	6.2
1,2,4-Trichlorobenzene	6.2	U	0.93	6.2
1,1,1-Trichloroethane	6.2	U	0.66	6.2
1,1,2-Trichloroethane	6.2	U	0.46	6.2
Trichloroethene	6.2	U	1.0	6.2
Trichlorofluoromethane	6.2	U	0.19	6.2
1,2,3-Trichloropropane	6.2	U	1.1	6.2
1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U	0.98	6.2
1,2,4-Trimethylbenzene	6.2	U	0.94	6.2
1,3,5-Trimethylbenzene	6.2	U	0.62	6.2
Vinyl chloride	6.2	U	0.29	6.2
m&p-Xylene	6.2	U	0.43	6.2
o-Xylene	6.2	U J.	0.24	6.2

JAM 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: CC-1

Lab Sample ID: 220-8934-3
Client Matrix: Solid
% Moisture: 2.9
Date Sampled: 04/29/2009 1030
Date Received: 04/29/2009 1707

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/11/2009 1626
Date Prepared: 05/07/2009 1106

Analysis Batch: 220-27049
Prep Batch: 220-26939

Instrument ID: TJA Trace ICAP
Lab File ID: W051109
Initial Weight/Volume: 2.01 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.2	U	1.3	4.2
Arsenic		~~4.6~~ 5.4U ✓	~~J~~	1.7	5.4
Barium		129		0.064	1.3
Beryllium		~~0.48~~ 1.3U ✓	~~J~~	0.064	1.3
Cadmium		1.3	UJ	0.26	1.3
Chromium		15.2		0.13	1.3
Copper		40.5		0.49	1.5
Lead		~~3.8 J~~ 3.8UJ ✓	~~J~~	0.79	3.8
Cobalt		4.3		0.13	1.3
Nickel		13.0		0.26	1.3
Selenium		9.6	U	3.2	9.6
Silver		1.3	U	0.064	1.3
Thallium		3.8	U	0.90	3.8
Vanadium		29.9		0.26	1.3
Zinc		30.2		1.3	6.4
Tin		3.8	U	1.0	3.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/06/2009 1628
Date Prepared: 05/05/2009 1305

Analysis Batch: 220-26917
Prep Batch: 220-26867

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.0099~~ 0.050U	~~J~~	0.0040	0.050

JAM 6/17/09
JW 6/25/09

JAM 5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-2
Sdg Number: 220-8934

Client Sample ID: CC-1

Lab Sample ID: 220-8934-3
Client Matrix: Solid

Date Sampled: 04/29/2009 1030
Date Received: 04/29/2009 1707

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27517		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27288		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27275		Initial Weight/Volume:	100 mL
Date Analyzed:	05/28/2009 1446			Final Weight/Volume:	500 mL
Date Prepared:	05/20/2009 1112				
Date Leached:	05/19/2009 1530				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		2.5	U	0.28	2.5
Chromium		10.8		0.48	5.0
Cobalt		3.9		0.63	2.5
Lead		~~1.1~~ 2.5U ✓	~~J~~	0.50	2.5
Vanadium		~~0.96~~ 2.5U ✓	~~J~~	0.56	2.5

JW 6/2/09

JAM 6/5/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: CC-1

Lab Sample ID: 220-8934-3
Client Matrix: Solid *% Moisture: 2.9*

Date Sampled: 04/29/2009 1030
Date Received: 04/29/2009 1707

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/12/2009 0242
Date Prepared: 04/29/2009 1951

Analysis Batch: 220-27037
Prep Batch: 220-26707

Instrument ID: HP7890
Lab File ID: DX1021082.D
Initial Weight/Volume: 15.28 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	36000		12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	111	50 - 150

Jm 5/24/09

VG 5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-2**

Lab Sample ID: 220-8934-4
Client Matrix: Solid
% Moisture: 4.2

Date Sampled: 04/29/2009 1115
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1734
Date Prepared: 04/29/2009 1800

Analysis Batch: 220-26843
Prep Batch: 220-26845

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0375.D
Initial Weight/Volume: 4.68 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~26~~ 22UJ.	~~J*~~	2.5	22
Acrylonitrile	~~5.6~~ R.	~~U~~	1.6	5.6
Benzene	5.6	U	0.64	5.6
Bromobenzene	5.6	U	0.59	5.6
n-Butylbenzene	5.6	U	1.3	5.6
sec-Butylbenzene	5.6	U	0.59	5.6
tert-Butylbenzene	5.6	U	0.32	5.6
Bromodichloromethane	5.6	U	0.33	5.6
Bromoform	5.6	U	0.68	5.6
Bromomethane	5.6	U	2.3	5.6
Methyl Ethyl Ketone	11	U	1.8	11
Chlorobenzene	5.6	U	0.66	5.6
Carbon disulfide	5.6	U*	0.46	5.6
Carbon tetrachloride	5.6	U	1.1	5.6
Chloroethane	5.6	U	1.1	5.6
Chloroform	5.6	U	0.38	5.6
Chloromethane	5.6	U	0.87	5.6
2-Chlorotoluene	5.6	U	0.71	5.6
4-Chlorotoluene	5.6	U	0.70	5.6
Dibromochloromethane	5.6	U	0.39	5.6
1,2-Dibromo-3-Chloropropane	11	U	5.1	11
1,2-Dibromoethane	5.6	U	0.85	5.6
Dibromomethane	5.6	U	0.71	5.6
1,2-Dichlorobenzene	5.6	U	0.27	5.6
1,3-Dichlorobenzene	5.6	U	0.23	5.6
1,4-Dichlorobenzene	5.6	U	0.75	5.6
trans-1,4-Dichloro-2-butene	11	U*	1.2	11
Dichlorodifluoromethane	5.6	U	0.39	5.6
1,1-Dichloroethane	5.6	U	0.33	5.6
1,2-Dichloroethane	5.6	U	0.65	5.6
1,1-Dichloroethene	5.6	U	0.65	5.6
cis-1,2-Dichloroethene	5.6	U	0.41	5.6
trans-1,2-Dichloroethene	5.6	U	0.44	5.6
1,2-Dichloropropane	5.6	U	0.75	5.6
1,3-Dichloropropane	5.6	U	0.76	5.6
2,2-Dichloropropane	5.6	U	0.77	5.6
1,1-Dichloropropene	28	U	0.64	28
cis-1,3-Dichloropropene	5.6	U	0.62	5.6
trans-1,3-Dichloropropene	5.6	U	0.30	5.6
Ethylbenzene	5.6	U	0.78	5.6
Hexachlorobutadiene	5.6	U	0.69	5.6
2-Hexanone	11	U	1.3	11
Isopropylbenzene	5.6	U	0.21	5.6
4-Isopropyltoluene	~~5.6~~ R.	~~U~~	0.59	5.6

do not report

JAM 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-2**

Lab Sample ID: 220-8934-4
Client Matrix: Solid
% Moisture: 4.2

Date Sampled: 04/29/2009 1115
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1734
Date Prepared: 04/29/2009 1800

Analysis Batch: 220-26843
Prep Batch: 220-26845

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0375.D
Initial Weight/Volume: 4.68 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~22~~ R.	U	1.2	22
methyl isobutyl ketone	5.6	U	0.61	5.6
Methyl tert-butyl ether	5.6	U	0.23	5.6
Naphthalene	5.6	U	0.32	5.6
N-Propylbenzene	5.6	U	0.68	5.6
Styrene	5.6	U	0.17	5.6
1,1,1,2-Tetrachloroethane	5.6	U	0.58	5.6
1,1,2,2-Tetrachloroethane	~~5.0~~ R.	U	0.58	5.6
Toluene	~~0.01~~ 5.6UJ.	~~J~~	0.083	5.6
Tetrachloroethene	~~5.6~~ R.	U	0.90	5.6
Tetrahydrofuran	22	U	6.9	22
1,2,3-Trichlorobenzene	5.6	U	0.69	5.6
1,2,4-Trichlorobenzene	5.6	U	0.84	5.6
1,1,1-Trichloroethane	5.6	U	0.59	5.6
1,1,2-Trichloroethane	5.6	U	0.41	5.6
Trichloroethene	5.6	U	0.90	5.6
Trichlorofluoromethane	5.6	U	0.17	5.6
1,2,3-Trichloropropane	5.6	U	1.0	5.6
1,1,2-Trichloro-1,2,2-trifluoroethane	5.6	U	0.88	5.6
1,2,4-Trimethylbenzene	5.6	U	0.85	5.6
1,3,5-Trimethylbenzene	5.6	U	0.56	5.6
Vinyl chloride	5.6	U	0.26	5.6
m&p-Xylene	5.6	U	0.39	5.6
o-Xylene	~~5.6~~ R.	U	0.21	5.6

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120	59 - 132
4-Bromofluorobenzene	117	34 - 124
Dibromofluoromethane	0 *	59 - 123
Toluene-d8 (Surr)	109	50 - 118

Jan 5/22/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-2**

Lab Sample ID: 220-8934-4
Client Matrix: Solid

% Moisture: 4.2

Date Sampled: 04/29/2009 1115
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-26847		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-26845		Lab File ID:	O0394.D
Dilution:	1.0			Initial Weight/Volume:	4.21 g
Date Analyzed:	05/04/2009 1422	Run Type: RA		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 1800				

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		59 - 132
4-Bromofluorobenzene	89		34 - 124
Dibromofluoromethane	16	*	59 - 123
Toluene-d8 (Surr)	89		50 - 118

Method:	8260B	Analysis Batch: 220-26847		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-26845		Lab File ID:	O0394.D
Dilution:	1.0			Initial Weight/Volume:	4.21 g
Date Analyzed:	05/04/2009 1422	Run Type: RA		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 1800				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~9.5~~ 250J	~~J B~~	2.8	25
Acrylonitrile	6.2	U J	1.7	6.2
Benzene	6.2	U	0.71	6.2
Bromobenzene	6.2	U	0.66	6.2
n-Butylbenzene	6.2	U	1.4	6.2
sec-Butylbenzene	6.2	U	0.66	6.2
tert-Butylbenzene	6.2	U	0.36	6.2
Bromodichloromethane	6.2	U	0.37	6.2
Bromoform	6.2	U	0.76	6.2
Bromomethane	6.2	U*	2.6	6.2
Methyl Ethyl Ketone	12	U	2.0	12
Chlorobenzene	6.2	U	0.73	6.2
Carbon disulfide	6.2	U	0.51	6.2
Carbon tetrachloride	6.2	U	1.2	6.2
Chloroethane	6.2	U	1.2	6.2
Chloroform	6.2	U	0.42	6.2
Chloromethane	6.2	U	0.97	6.2
2-Chlorotoluene	6.2	U	0.79	6.2
4-Chlorotoluene	6.2	U	0.78	6.2
Dibromochloromethane	6.2	U	0.43	6.2
1,2-Dibromo-3-Chloropropane	12	U	5.6	12
1,2-Dibromoethane	6.2	U	0.94	6.2
Dibromomethane	6.2	U	0.79	6.2
1,2-Dichlorobenzene	6.2	U	0.30	6.2
1,3-Dichlorobenzene	6.2	U	0.26	6.2
1,4-Dichlorobenzene	6.2	U	0.83	6.2
trans-1,4-Dichloro-2-butene	12	U*	1.4	12
Dichlorodifluoromethane	6.2	U	0.43	6.2
1,1-Dichloroethane	6.2	U	0.37	6.2
1,2-Dichloroethane	6.2	U J	0.72	6.2

JAM 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-2**

Lab Sample ID: 220-8934-4
Client Matrix: Solid
% Moisture: 4.2

Date Sampled: 04/29/2009 1115
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/04/2009 1422
Date Prepared: 04/29/2009 1800

Analysis Batch: 220-26847
Prep Batch: 220-26845
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0394.D
Initial Weight/Volume: 4.21 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethene	6.2	U J.	0.72	6.2
cis-1,2-Dichloroethene	6.2	U	0.46	6.2
trans-1,2-Dichloroethene	6.2	U	0.48	6.2
1,2-Dichloropropane	6.2	U	0.83	6.2
1,3-Dichloropropane	6.2	U	0.84	6.2
2,2-Dichloropropane	6.2	U	0.86	6.2
1,1-Dichloropropene	31	U	0.71	31
cis-1,3-Dichloropropene	6.2	U	0.69	6.2
trans-1,3-Dichloropropene	6.2	U	0.33	6.2
Ethylbenzene	6.2	U	0.87	6.2
Hexachlorobutadiene	6.2	U	0.77	6.2
2-Hexanone	12	U	1.5	12
Isopropylbenzene	6.2	U	0.24	6.2
4-Isopropyltoluene	6.2	U	0.66	6.2
Methylene Chloride	25	U	1.4	25
methyl isobutyl ketone	6.2	U	0.68	6.2
Methyl tert-butyl ether	6.2	U	0.26	6.2
Naphthalene	6.2	U	0.36	6.2
N-Propylbenzene	6.2	U	0.76	6.2
Styrene	6.2	U	0.19	6.2
1,1,1,2-Tetrachloroethane	6.2	U	0.64	6.2
1,1,2,2-Tetrachloroethane	6.2	U J.	0.64	6.2
Toluene	~~0.39~~ 6.2 U J.	~~J~~	0.092	6.2
Tetrachloroethene	6.2	U J.	1.0	6.2
Tetrahydrofuran	25	U	7.6	25
1,2,3-Trichlorobenzene	6.2	U	0.77	6.2
1,2,4-Trichlorobenzene	6.2	U	0.93	6.2
1,1,1-Trichloroethane	6.2	U	0.66	6.2
1,1,2-Trichloroethane	6.2	U	0.46	6.2
Trichloroethene	6.2	U	1.0	6.2
Trichlorofluoromethane	6.2	U	0.19	6.2
1,2,3-Trichloropropane	6.2	U	1.1	6.2
1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U	0.98	6.2
1,2,4-Trimethylbenzene	6.2	U	0.94	6.2
1,3,5-Trimethylbenzene	6.2	U	0.62	6.2
Vinyl chloride	6.2	U	0.29	6.2
m&p-Xylene	6.2	U	0.43	6.2
o-Xylene	6.2	U J.	0.24	6.2

Jam 5/14/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: CC-2

Lab Sample ID: 220-8934-4
Client Matrix: Solid
% Moisture: 4.2
Date Sampled: 04/29/2009 1115
Date Received: 04/29/2009 1707

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/11/2009 1632
Date Prepared: 05/07/2009 1106

Analysis Batch: 220-27049
Prep Batch: 220-26939

Instrument ID: TJA Trace ICAP
Lab File ID: W051109
Initial Weight/Volume: 2.02 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.3	U	1.3	4.3
Arsenic		5.4	U	1.7	5.4
Barium		113		0.065	1.3
Beryllium		~~0.51~~ 1.3U ✓	~~J~~	0.065	1.3
Cadmium		1.3	UJ.	0.26	1.3
Chromium		19.0		0.13	1.3
Copper		32.1		0.49	1.6
Lead		5.9		0.80	3.9
Cobalt		5.2		0.13	1.3
Nickel		31.3		0.26	1.3
Selenium		9.7	U	3.2	9.7
Silver		1.3	U	0.065	1.3
Thallium		~~0.92~~ 3.9U ✓	~~J~~	0.90	3.9
Vanadium		29.8		0.26	1.3
Zinc		33.7		1.3	6.5
Tin		3.9	U	1.0	3.9

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/06/2009 1629
Date Prepared: 05/05/2009 1305

Analysis Batch: 220-26917
Prep Batch: 220-26867

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.63 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.022~~ 0.050U	~~J~~ ✓	0.0040	0.050

jam 6/17/09
6/25/09
jam 5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-2
Sdg Number: 220-8934

Client Sample ID: **CC-2**

Lab Sample ID:	220-8934-4	Date Sampled:	04/29/2009 1115
Client Matrix:	Solid	Date Received:	04/29/2009 1707

6020 Metals (ICP/MS)-SPLP East

Method:	*6020*	*Analysis Batch: 220-27517*		*Instrument ID:*	*Agilent ICPMS*
Preparation:	3010A	Prep Batch: 220-27288		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27275		Initial Weight/Volume:	100 mL
Date Analyzed:	05/28/2009 1449			Final Weight/Volume:	500 mL
Date Prepared:	05/20/2009 1112				
Date Leached:	*05/19/2009 1530*				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Chromium		6.3 U		0.48	5.0
Nickel		73.2		0.58	2.5
Cobalt		4.7		0.63	2.5
Lead		2.5	U	0.50	2.5
Vanadium		5.6		0.56	2.5

WJ 6/25/09 AM 6/15/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-2**

Lab Sample ID:	220-8934-4			Date Sampled:	04/29/2009 1115
Client Matrix:	Solid	% Moisture:	4.2	Date Received:	04/29/2009 1707

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26707		Lab File ID:	DX1021083.D
Dilution:	1.0			Initial Weight/Volume:	15.50 g
Date Analyzed:	05/12/2009 0301			Final Weight/Volume:	1 mL
Date Prepared:	04/29/2009 1951			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	200000		12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	91	50 - 150

jm 5/22/09

JG 5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

General Chemistry

Client Sample ID: **CC-1**

Lab Sample ID: 220-8934-3
Client Matrix: Solid
% Moisture: 2.9
Date Sampled: 04/29/2009 1030
Date Received: 04/29/2009 1707

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	490	U	ug/Kg	49	490	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1616			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1230			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	2.91		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			
Percent Solids	97.1		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			

Client Sample ID: **CC-2**

Lab Sample ID: 220-8934-4
Client Matrix: Solid
% Moisture: 4.2
Date Sampled: 04/29/2009 1115
Date Received: 04/29/2009 1707

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	520	U	ug/Kg	52	520	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1617			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1230			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.23		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			
Percent Solids	95.8		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			

from 5/29/09 JD 6/1/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-3**

Lab Sample ID: 220-8934-5
Client Matrix: Solid
% Moisture: 2.2

Date Sampled: 04/29/2009 1145
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1759
Date Prepared: 04/29/2009 1800

Analysis Batch: 220-26843
Prep Batch: 220-26845

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0376.D
Initial Weight/Volume: 4.91 g
Final Weight/Volume: 5 mL

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		59 - 132
4-Bromofluorobenzene	107		34 - 124
Dibromofluoromethane	0	*	59 - 123
Toluene-d8 (Surr)	60		50 - 118

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1759
Date Prepared: 04/29/2009 1800

Analysis Batch: 220-26843
Prep Batch: 220-26845

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0376.D
Initial Weight/Volume: 4.91 g
Final Weight/Volume: 5 mL

do not report

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		57 UJ.		2.3	21
Acrylonitrile		~~5.2~~ R.	U	1.5	5.2
Benzene		5.2	U	0.59	5.2
Bromobenzene		5.2	U	0.55	5.2
n-Butylbenzene		5.2	U	1.2	5.2
sec-Butylbenzene		5.2	U	0.55	5.2
tert-Butylbenzene		5.2	U	0.30	5.2
Bromodichloromethane		5.2	U	0.31	5.2
Bromoform		5.2	U	0.64	5.2
Bromomethane		5.2	U	2.2	5.2
Methyl Ethyl Ketone		10	U	1.7	10
Chlorobenzene		5.2	U	0.61	5.2
Carbon disulfide		5.2	U *	0.43	5.2
Carbon tetrachloride		5.2	U	0.99	5.2
Chloroethane		5.2	U	1.0	5.2
Chloroform		5.2	U	0.35	5.2
Chloromethane		5.2	U	0.81	5.2
2-Chlorotoluene		5.2	U	0.67	5.2
4-Chlorotoluene		5.2	U	0.66	5.2
Dibromochloromethane		5.2	U	0.36	5.2
1,2-Dibromo-3-Chloropropane		10	U	4.7	10
1,2-Dibromoethane		5.2	U	0.79	5.2
Dibromomethane		5.2	U	0.67	5.2
1,2-Dichlorobenzene		5.2	U	0.25	5.2
1,3-Dichlorobenzene		5.2	U	0.22	5.2
1,4-Dichlorobenzene		5.2	U	0.70	5.2
trans-1,4-Dichloro-2-butene		10	U *	1.2	10
Dichlorodifluoromethane		5.2	U	0.36	5.2
1,1-Dichloroethane		5.2	U	0.31	5.2
1,2-Dichloroethane		~~5.2~~ R.	U	0.60	5.2

JMM 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: CC-3

Lab Sample ID: 220-8934-5
Client Matrix: Solid
% Moisture: 2.2

Date Sampled: 04/29/2009 1145
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1759
Date Prepared: 04/29/2009 1800

Analysis Batch: 220-26843
Prep Batch: 220-26845

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0376.D
Initial Weight/Volume: 4.91 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethene	~~5.2~~ R.	~~U~~	0.60	5.2
cis-1,2-Dichloroethene	5.2	U	0.39	5.2
trans-1,2-Dichloroethene	5.2	U	0.41	5.2
1,2-Dichloropropane	5.2	U	0.70	5.2
1,3-Dichloropropane	5.2	U	0.71	5.2
2,2-Dichloropropane	5.2	U	0.72	5.2
1,1-Dichloropropene	26	U	0.59	26
cis-1,3-Dichloropropene	5.2	U	0.58	5.2
trans-1,3-Dichloropropene	5.2	U	0.28	5.2
Ethylbenzene	5.2	U	0.73	5.2
Hexachlorobutadiene	5.2	U	0.65	5.2
2-Hexanone	10	U	1.2	10
Isopropylbenzene	5.2	U	0.20	5.2
4-Isopropyltoluene	~~5.2~~ R.	U	0.55	5.2
Methylene Chloride	~~21U33.0~~ 3.0 J.	~~U~~	1.1	21
methyl isobutyl ketone	5.2 R	U	0.57	5.2
Methyl tert-butyl ether	5.2	U	0.22	5.2
Naphthalene	5.2	U	0.30	5.2
N-Propylbenzene	~~5.2~~ R	U	0.64	5.2
Styrene	5.3 J		0.16	5.2
1,1,1,2-Tetrachloroethane	~~5.2~~ R	U	0.54	5.2
1,1,2,2-Tetrachloroethane	5.2	U	0.54	5.2
Toluene	5.2	U	0.077	5.2
Tetrachloroethene	5.2	U	0.84	5.2
Tetrahydrofuran	21	U	6.4	21
1,2,3-Trichlorobenzene	5.2	U	0.65	5.2
1,2,4-Trichlorobenzene	5.2	U	0.78	5.2
1,1,1-Trichloroethane	5.2	U	0.55	5.2
1,1,2-Trichloroethane	5.2	U	0.39	5.2
Trichloroethene	5.2	U	0.84	5.2
Trichlorofluoromethane	5.2	U	0.16	5.2
1,2,3-Trichloropropane	5.2	U	0.96	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U	0.82	5.2
1,2,4-Trimethylbenzene	5.2	U	0.79	5.2
1,3,5-Trimethylbenzene	5.2	U	0.52	5.2
Vinyl chloride	5.2	U	0.24	5.2
m&p-Xylene	5.2	U	0.36	5.2
o-Xylene	~~5.2~~ R	~~U~~	0.20	5.2

JAM 5/22/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-3**

Lab Sample ID: 220-8934-5
Client Matrix: Solid
% Moisture: 2.2
Date Sampled: 04/29/2009 1145
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/04/2009 1447
Date Prepared: 04/29/2009 1800

Analysis Batch: 220-26847
Prep Batch: 220-26845
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0395.D
Initial Weight/Volume: 5.12 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~16~~ 20UJ.	~~J+B~~	2.2	20
Acrylonitrile	5.0	UJ.	1.4	5.0
Benzene	5.0	U	0.57	5.0
Bromobenzene	5.0	U	0.53	5.0
n-Butylbenzene	5.0	U	1.1	5.0
sec-Butylbenzene	5.0	U	0.53	5.0
tert-Butylbenzene	5.0	U	0.29	5.0
Bromodichloromethane	5.0	U	0.30	5.0
Bromoform	5.0	U	0.61	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.6	10
Chlorobenzene	5.0	U	0.59	5.0
Carbon disulfide	5.0	U	0.41	5.0
Carbon tetrachloride	5.0	U	0.95	5.0
Chloroethane	5.0	U	0.98	5.0
Chloroform	5.0	U	0.34	5.0
Chloromethane	5.0	U	0.78	5.0
2-Chlorotoluene	5.0	U	0.64	5.0
4-Chlorotoluene	5.0	U	0.63	5.0
Dibromochloromethane	5.0	U	0.35	5.0
1,2-Dibromo-3-Chloropropane	10	U	4.5	10
1,2-Dibromoethane	5.0	U	0.76	5.0
Dibromomethane	5.0	U	0.64	5.0
1,2-Dichlorobenzene	5.0	U	0.24	5.0
1,3-Dichlorobenzene	5.0	U	0.21	5.0
1,4-Dichlorobenzene	5.0	U	0.67	5.0
trans-1,4-Dichloro-2-butene	10	U *	1.1	10
Dichlorodifluoromethane	5.0	U	0.35	5.0
1,1-Dichloroethane	5.0	U	0.30	5.0
1,2-Dichloroethane	5.0	U	0.58	5.0
1,1-Dichloroethene	5.0	U	0.58	5.0
cis-1,2-Dichloroethene	5.0	U	0.37	5.0
trans-1,2-Dichloroethene	5.0	U	0.39	5.0
1,2-Dichloropropane	5.0	U	0.67	5.0
1,3-Dichloropropane	5.0	U	0.68	5.0
2,2-Dichloropropane	5.0	U	0.69	5.0
1,1-Dichloropropene	25	U	0.57	25
cis-1,3-Dichloropropene	5.0	U	0.56	5.0
trans-1,3-Dichloropropene	5.0	U	0.27	5.0
Ethylbenzene	5.0	U	0.70	5.0
Hexachlorobutadiene	5.0	U	0.62	5.0
2-Hexanone	10	U	1.2	10
Isopropylbenzene	5.0	U	0.19	5.0
4-Isopropyltoluene	5.0	UJ.	0.53	5.0

JAM 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-3**

Lab Sample ID: 220-8934-5
Client Matrix: Solid
% Moisture: 2.2

Date Sampled: 04/29/2009 1145
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/04/2009 1447
Date Prepared: 04/29/2009 1800

Analysis Batch: 220-26847
Prep Batch: 220-26845
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0395.D
Initial Weight/Volume: 5.12 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~1.3~~ 2.0 UJ.	~~J~~	1.1	20
methyl isobutyl ketone	5.0	U J.	0.55	5.0
Methyl tert-butyl ether	5.0	U	0.21	5.0
Naphthalene	5.0	U	0.29	5.0
N-Propylbenzene	5.0	U J.	0.61	5.0
Styrene	6.7 J.		0.15	5.0
1,1,1,2-Tetrachloroethane	5.0	U J.	0.52	5.0
1,1,2,2-Tetrachloroethane	5.0	U J.	0.52	5.0
Toluene	~~0.29~~ 5.0 UJ.	~~J~~	0.074	5.0
Tetrachloroethene	5.0	U J.	0.81	5.0
Tetrahydrofuran	20	U	6.2	20
1,2,3-Trichlorobenzene	5.0	U	0.62	5.0
1,2,4-Trichlorobenzene	5.0	U	0.75	5.0
1,1,1-Trichloroethane	5.0	U	0.53	5.0
1,1,2-Trichloroethane	5.0	U	0.37	5.0
Trichloroethene	5.0	U	0.81	5.0
Trichlorofluoromethane	5.0	U	0.15	5.0
1,2,3-Trichloropropane	5.0	U	0.92	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	0.79	5.0
1,2,4-Trimethylbenzene	5.0	U	0.76	5.0
1,3,5-Trimethylbenzene	5.0	U	0.50	5.0
Vinyl chloride	5.0	U	0.23	5.0
m&p-Xylene	5.0	U	0.35	5.0
o-Xylene	5.0	U J.	0.19	5.0

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		59 - 132
4-Bromofluorobenzene	94		34 - 124
Dibromofluoromethane	37	*	59 - 123
Toluene-d8 (Surr)	89		50 - 118

JRM 5/22/09

Client: *GEI Consultants, Inc.*

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-3**

Lab Sample ID: *220-8934-5*
Client Matrix: Solid

% Moisture: 2.2

Date Sampled: *04/29/2009 1145*
Date Received: 04/29/2009 1707

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/11/2009 1638
Date Prepared: 05/07/2009 1106

Analysis Batch: 220-27049
Prep Batch: 220-26939

Instrument ID: *TJA Trace ICAP*
Lab File ID: W051109
Initial Weight/Volume: 2.08 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.1	U	1.3	4.1
Arsenic		5.2	U	1.7	5.2
Barium		107		0.061	1.2
Beryllium		~~0.48~~ 1.2U ✓	~~J~~	0.061	1.2
Cadmium		1.2	UJ.	0.25	1.2
Chromium		17.4		0.12	1.2
Copper		57.2		0.47	1.5
Lead		~~3.0~~ 3.7UJ ✓	~~J~~	0.76	3.7
Cobalt		4.7		0.12	1.2
Nickel		36.4		0.25	1.2
Selenium		9.2	U	3.1	9.2
Silver		1.2	U	0.061	1.2
Thallium		3.7	U	0.86	3.7
Vanadium		26.4		0.25	1.2
Zinc		30.3		1.2	6.1
Tin		3.7	U	0.98	3.7

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/06/2009 1630
Date Prepared: 05/05/2009 1305

Analysis Batch: 220-26917
Prep Batch: 220-26867

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.024~~ 0.049U ✓	~~J~~	0.0040	0.049

Jan 6/17/09
WO 6/25/09

Jan 6/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-2
Sdg Number: 220-8934

Client Sample ID: CC-3

Lab Sample ID: 220-8934-5
Client Matrix: Solid

Date Sampled: 04/29/2009 1145
Date Received: 04/29/2009 1707

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27517		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27288		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27275		Initial Weight/Volume:	100 mL
Date Analyzed:	05/28/2009 1453			Final Weight/Volume:	500 mL
Date Prepared:	05/20/2009 1112				
Date Leached:	05/19/2009 1530				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Chromium		6.7 U		0.48	5.0
Nickel		348		0.58	2.5
Cobalt		14.1		0.63	2.5
Lead		2.5	U	0.50	2.5
Vanadium		26.6		0.56	2.5

WJ 6/25/09

JAM 6/15/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: CC-3

Lab Sample ID:	220-8934-5			Date Sampled:	04/29/2009 1145
Client Matrix:	Solid	% Moisture:	2.2	Date Received:	04/29/2009 1707

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26707		Lab File ID:	DX1021084.D
Dilution:	1.0			Initial Weight/Volume:	15.70 g
Date Analyzed:	05/12/2009 0322			Final Weight/Volume:	1 mL
Date Prepared:	04/29/2009 1951			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	49000		12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	103	50 - 150

jm 5/22/09

5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-4**

Lab Sample ID: 220-8934-6
Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 04/29/2009 1315
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1824
Date Prepared: 04/29/2009 1800

Analysis Batch: 220-26843
Prep Batch: 220-26845

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0377.D
Initial Weight/Volume: 4.45 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~14~~ 23UJ	~~J~~	2.6	23
Acrylonitrile	~~5.8~~ R	~~U~~	1.6	5.8
Benzene	5.8	U	0.66	5.8
Bromobenzene	5.8	U	0.62	5.8
n-Butylbenzene	5.8	U	1.3	5.8
sec-Butylbenzene	5.8	U	0.62	5.8
tert-Butylbenzene	5.8	U	0.34	5.8
Bromodichloromethane	5.8	U	0.35	5.8
Bromoform	5.8	U	0.71	5.8
Bromomethane	5.8	U	2.4	5.8
Methyl Ethyl Ketone	12	U	1.8	12
Chlorobenzene	5.8	U	0.68	5.8
Carbon disulfide	5.8	U *	0.48	5.8
Carbon tetrachloride	5.8	U	1.1	5.8
Chloroethane	5.8	U	1.1	5.8
Chloroform	5.8	U	0.39	5.8
Chloromethane	5.8	U	0.91	5.8
2-Chlorotoluene	5.8	U	0.74	5.8
4-Chlorotoluene	5.8	U	0.73	5.8
Dibromochloromethane	5.8	U	0.41	5.8
1,2-Dibromo-3-Chloropropane	12	U	5.3	12
1,2-Dibromoethane	5.8	U	0.88	5.8
Dibromomethane	5.8	U	0.74	5.8
1,2-Dichlorobenzene	5.8	U	0.28	5.8
1,3-Dichlorobenzene	5.8	U	0.24	5.8
1,4-Dichlorobenzene	5.8	U	0.78	5.8
trans-1,4-Dichloro-2-butene	12	U *	1.3	12
Dichlorodifluoromethane	5.8	U	0.41	5.8
1,1-Dichloroethane	5.8	U	0.35	5.8
1,2-Dichloroethane	5.8	U	0.67	5.8
1,1-Dichloroethene	5.8	U	0.67	5.8
cis-1,2-Dichloroethene	5.8	U	0.43	5.8
trans-1,2-Dichloroethene	5.8	U	0.45	5.8
1,2-Dichloropropane	5.8	U	0.78	5.8
1,3-Dichloropropane	5.8	U	0.79	5.8
2,2-Dichloropropane	5.8	U	0.80	5.8
1,1-Dichloropropene	29	U	0.66	29
cis-1,3-Dichloropropene	5.8	U	0.65	5.8
trans-1,3-Dichloropropene	5.8	U	0.31	5.8
Ethylbenzene	5.8	U	0.81	5.8
Hexachlorobutadiene	5.8	U	0.72	5.8
2-Hexanone	12	U	1.4	12
Isopropylbenzene	5.8	U	0.22	5.8
4-Isopropyltoluene	~~5.8~~ R	~~U~~	0.62	5.8

donor report

JMM 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-4**

Lab Sample ID: 220-8934-6
Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 04/29/2009 1315
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1824
Date Prepared: 04/29/2009 1800

Analysis Batch: 220-26843
Prep Batch: 220-26845

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0377.D
Initial Weight/Volume: 4.45 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)		Qualifier	MDL	RL
Methylene Chloride	23	R	U	1.3	23
methyl isobutyl ketone	5.8		U	0.64	5.8
Methyl tert-butyl ether	5.8		U	0.24	5.8
Naphthalene	5.8		U	0.34	5.8
N-Propylbenzene	5.8		U	0.71	5.8
Styrene	5.8		U	0.17	5.8
1,1,1,2-Tetrachloroethane	5.8		U	0.60	5.8
1,1,2,2-Tetrachloroethane	5.8	R	U	0.60	5.8
Toluene	1.5	J	J	0.086	5.8
Tetrachloroethene	5.6	J	J	0.94	5.8
Tetrahydrofuran	23	R	U	7.1	23
1,2,3-Trichlorobenzene	5.8		U	0.72	5.8
1,2,4-Trichlorobenzene	5.8		U	0.87	5.8
1,1,1-Trichloroethane	5.8		U	0.62	5.8
1,1,2-Trichloroethane	5.8		U	0.43	5.8
Trichloroethene	5.8		U	0.94	5.8
Trichlorofluoromethane	5.8		U	0.17	5.8
1,2,3-Trichloropropane	5.8		U	1.1	5.8
1,1,2-Trichloro-1,2,2-trifluoroethane	5.8		U	0.92	5.8
1,2,4-Trimethylbenzene	5.8		U	0.88	5.8
1,3,5-Trimethylbenzene	5.8		U	0.58	5.8
Vinyl chloride	5.8	R	U	0.27	5.8
m&p-Xylene	2.6	J	J	0.41	5.8
o-Xylene	0.80	J	J	0.22	5.8

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		59 - 132
4-Bromofluorobenzene	39		34 - 124
Dibromofluoromethane	0	*	59 - 123
Toluene-d8 (Surr)	49	*	50 - 118

JRM 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: CC-4

Lab Sample ID: 220-8934-6
Client Matrix: Solid

% Moisture: 3.2

Date Sampled: 04/29/2009 1315
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-26847		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-26845		Lab File ID:	O0396.D
Dilution:	1.0			Initial Weight/Volume:	4.13 g
Date Analyzed:	05/04/2009 1512	Run Type: RA		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 1800				

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77		59 - 132
4-Bromofluorobenzene	33	*	34 - 124
Dibromofluoromethane	0	*	59 - 123
Toluene-d8 (Surr)	43	*	50 - 118

Method:	8260B	Analysis Batch: 220-26847		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-26845		Lab File ID:	O0396.D
Dilution:	1.0			Initial Weight/Volume:	4.13 g
Date Analyzed:	05/04/2009 1512	Run Type: RA		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 1800				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~19~~ 15UJ.	~~J*B~~	2.8	25
Acrylonitrile	~~6.3~~ R.	~~U~~	1.8	6.3
Benzene	6.3	U	0.71	6.3
Bromobenzene	6.3	U	0.66	6.3
n-Butylbenzene	6.3	U	1.4	6.3
sec-Butylbenzene	6.3	U	0.66	6.3
tert-Butylbenzene	6.3	U	0.36	6.3
Bromodichloromethane	6.3	U	0.38	6.3
Bromoform	6.3	U	0.76	6.3
Bromomethane	6.3	U *	2.6	6.3
Methyl Ethyl Ketone	13	U	2.0	13
Chlorobenzene	6.3	U	0.74	6.3
Carbon disulfide	6.3	U *	0.51	6.3
Carbon tetrachloride	6.3	U	1.2	6.3
Chloroethane	6.3	U	1.2	6.3
Chloroform	6.3	U	0.43	6.3
Chloromethane	6.3	U	0.98	6.3
2-Chlorotoluene	6.3	U	0.80	6.3
4-Chlorotoluene	6.3	U	0.79	6.3
Dibromochloromethane	6.3	U	0.44	6.3
1,2-Dibromo-3-Chloropropane	13	U	5.7	13
1,2-Dibromoethane	6.3	U	0.95	6.3
Dibromomethane	6.3	U	0.80	6.3
1,2-Dichlorobenzene	6.3	U	0.30	6.3
1,3-Dichlorobenzene	6.3	U	0.26	6.3
1,4-Dichlorobenzene	6.3	U	0.84	6.3
trans-1,4-Dichloro-2-butene	13	U *	1.4	13
Dichlorodifluoromethane	6.3	U	0.44	6.3
1,1-Dichloroethane	6.3	U	0.38	6.3
1,2-Dichloroethane	6.3 R.	U	0.73	6.3

jm 5/24/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-4**

Lab Sample ID: 220-8934-6
Client Matrix: Solid
% Moisture: 3.2

Date Sampled: 04/29/2009 1315
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/04/2009 1512
Date Prepared: 04/29/2009 1800

Analysis Batch: 220-26847
Prep Batch: 220-26845
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0396.D
Initial Weight/Volume: 4.13 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethene	~~6.3~~ R.	~~U~~	0.73	6.3
cis-1,2-Dichloroethene	6.3	U	0.46	6.3
trans-1,2-Dichloroethene	6.3	U	0.49	6.3
1,2-Dichloropropane	6.3	U	0.84	6.3
1,3-Dichloropropane	6.3	U	0.85	6.3
2,2-Dichloropropane	6.3	U	0.86	6.3
1,1-Dichloropropene	31	U	0.71	31
cis-1,3-Dichloropropene	6.3	U	0.70	6.3
trans-1,3-Dichloropropene	6.3	U	0.34	6.3
Ethylbenzene	6.3	U	0.88	6.3
Hexachlorobutadiene	6.3	U	0.78	6.3
2-Hexanone	13	U	1.5	13
Isopropylbenzene	6.3	U	0.24	6.3
4-Isopropyltoluene	6.3	U	0.66	6.3
Methylene Chloride	25	U	1.4	25
methyl isobutyl ketone	6.3	U	0.69	6.3
Methyl tert-butyl ether	6.3	U	0.26	6.3
Naphthalene	6.3	U	0.36	6.3
N-Propylbenzene	~~6.3~~ R.	U	0.76	6.3
Styrene	6.3UJ ~~0.49~~ ~~J~~	J	0.19	6.3
1,1,1,2-Tetrachloroethane	~~6.3~~ R.	U	0.65	6.3
1,1,2,2-Tetrachloroethane	~~6.3~~ R.	U	0.65	6.3
Toluene	6.3UJ ~~1.7~~ ~~J~~	J	0.093	6.3
Tetrachloroethene	6.3UJ ~~5.9~~ ~~J~~	J	1.0	6.3
Tetrahydrofuran	~~25~~ R.	U	7.7	25
1,2,3-Trichlorobenzene	6.3	U	0.78	6.3
1,2,4-Trichlorobenzene	6.3	U	0.94	6.3
1,1,1-Trichloroethane	6.3	U	0.66	6.3
1,1,2-Trichloroethane	6.3	U	0.46	6.3
Trichloroethene	6.3	U	1.0	6.3
Trichlorofluoromethane	6.3	U	0.19	6.3
1,2,3-Trichloropropane	6.3	U	1.2	6.3
1,1,2-Trichloro-1,2,2-trifluoroethane	6.3	U	0.99	6.3
1,2,4-Trimethylbenzene	6.3	U	0.95	6.3
1,3,5-Trimethylbenzene	6.3	U	0.63	6.3
Vinyl chloride	~~6.3~~ R.	U	0.29	6.3
m&p-Xylene	6.3UJ ~~2.8~~ ~~J~~	J	0.44	6.3
o-Xylene	6.3UJ ~~0.83~~ ~~J~~	J	0.24	6.3

JMM 5/22/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: CC-4

Lab Sample ID:	220-8934-6	Date Sampled:	04/29/2009 1315
Client Matrix:	Solid	% Moisture: 3.2	Date Received: 04/29/2009 1707

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-27049		Instrument ID:	TJA Trace ICAP
Preparation:	3050B	Prep Batch: 220-26939		Lab File ID:	W051109
Dilution:	1.0			Initial Weight/Volume:	2.02 g
Date Analyzed:	05/11/2009 1644			Final Weight/Volume:	250 mL
Date Prepared:	05/07/2009 1106				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.2	U	1.3	4.2
Arsenic		5.4	U	1.7	5.4
Barium		102		0.064	1.3
Beryllium		~~0.47~~ 1.3U ✓	~~J~~	0.064	1.3
Cadmium		1.3	UJ.	0.26	1.3
Chromium		17.1		0.13	1.3
Copper		22.2		0.49	1.5
Lead		~~3.1 J~~ 3.8UJ ✓	~~J~~	0.79	3.8
Cobalt		4.7		0.13	1.3
Nickel		65.4		0.26	1.3
Selenium		9.6	U	3.2	9.6
Silver		1.3	U	0.064	1.3
Thallium		~~0.98~~ 3.8U ✓	~~J~~	0.89	3.8
Vanadium		26.8		0.26	1.3
Zinc		30.9		1.3	6.4
Tin		3.8	U	1.0	3.8

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-26917		Instrument ID:	Perkin Elmer FIMS
Preparation:	7471A	Prep Batch: 220-26867		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Date Analyzed:	05/06/2009 1631			Final Weight/Volume:	50 mL
Date Prepared:	05/05/2009 1317				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.011~~ 0.052U ✓	~~J~~	0.0041	0.052

Jam 6/17/09 6/25/09

Jam 5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-2
Sdg Number: 220-8934

Client Sample ID: **CC-4**

Lab Sample ID:	*220-8934-6*	*Date Sampled:*	04/29/2009 1315
Client Matrix:	Solid	Date Received:	04/29/2009 1707

6020 Metals (ICP/MS)-SPLP East

Method:	6020	*Analysis Batch:* 220-27517		*Instrument ID:*	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27288		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27275		Initial Weight/Volume:	100 mL
Date Analyzed:	05/28/2009 1456			Final Weight/Volume:	500 mL
Date Prepared:	05/20/2009 1112				
Date Leached:	05/19/2009 1530				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Chromium		5.0 U	~~J~~	0.48	5.0
Copper		5.1 U		0.47	5.0
Nickel		13.4		0.58	2.5
Cobalt		~~0.84~~ 2.5U	~~J~~	0.63	2.5
Vanadium		~~0.62~~ 2.5U	~~J~~	0.56	2.5

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **CC-4**

Lab Sample ID:	220-8934-6			Date Sampled:	04/29/2009 1315
Client Matrix:	Solid	% Moisture:	3.2	Date Received:	04/29/2009 1707

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26707		Lab File ID:	DX1021119.D
Dilution:	25			Initial Weight/Volume:	15.32 g
Date Analyzed:	05/12/2009 1605			Final Weight/Volume:	1 mL
Date Prepared:	04/29/2009 1951			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	5700000		300000	300000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	50 - 150

5/22/09
5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

General Chemistry

Client Sample ID: CC-3

Lab Sample ID: 220-8934-5
Client Matrix: Solid
% Moisture: 2.2
Date Sampled: 04/29/2009 1145
Date Received: 04/29/2009 1707

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	~~100~~ 510	~~J~~ U	ug/Kg	51	510	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1618			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1230			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	2.20		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			
Percent Solids	97.8		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			

Client Sample ID: CC-4

Lab Sample ID: 220-8934-6
Client Matrix: Solid
% Moisture: 3.2
Date Sampled: 04/29/2009 1315
Date Received: 04/29/2009 1707

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	500	U	ug/Kg	50	500	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1620			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1230			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.17		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			
Percent Solids	96.8		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			

Jam 6/17/09
6/25/09

Jam 5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **CC-5**

Lab Sample ID: 220-8960-3
Client Matrix: Solid

% Moisture: 1.6

Date Sampled: 04/30/2009 1430
Date Received: 04/30/2009 1717

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/14/2009 2231
Date Prepared: 05/01/2009 1538

Analysis Batch: 220-27195
Prep Batch: 220-26789

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0561.D
Initial Weight/Volume: 4.01 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~20~~ 25 UJ	~~J~~	2.8	25
Acrylonitrile	~~6.3~~ R	~~U~~	1.8	6.3
Benzene	6.3	U	0.72	6.3
Bromobenzene	6.3	U	0.67	6.3
n-Butylbenzene	6.3	U	1.4	6.3
sec-Butylbenzene	6.3	U	0.67	6.3
tert-Butylbenzene	6.3	U	0.37	6.3
Bromodichloromethane	6.3	U	0.38	6.3
Bromoform	6.3	U	0.77	6.3
Bromomethane	6.3	U	2.6	6.3
Methyl Ethyl Ketone	13	U	2.0	13
Chlorobenzene	6.3	U	0.75	6.3
Carbon disulfide	6.3	U *	0.52	6.3
Carbon tetrachloride	6.3	U	1.2	6.3
Chloroethane	6.3	U	1.2	6.3
Chloroform	6.3	U	0.43	6.3
Chloromethane	6.3	U	0.99	6.3
2-Chlorotoluene	6.3	U	0.81	6.3
4-Chlorotoluene	6.3	U	0.80	6.3
Dibromochloromethane	6.3	U	0.44	6.3
1,2-Dibromo-3-Chloropropane	13	U	5.7	13
1,2-Dibromoethane	6.3	U	0.96	6.3
Dibromomethane	6.3	U	0.81	6.3
1,2-Dichlorobenzene	6.3	U	0.30	6.3
1,3-Dichlorobenzene	6.3	U	0.27	6.3
1,4-Dichlorobenzene	6.3	U	0.85	6.3
trans-1,4-Dichloro-2-butene	13	U *	1.4	13
Dichlorodifluoromethane	6.3	U	0.44	6.3
1,1-Dichloroethane	6.3	U	0.38	6.3
1,2-Dichloroethane	6.3	U	0.73	6.3
1,1-Dichloroethene	6.3	U	0.73	6.3
cis-1,2-Dichloroethene	6.3	U	0.47	6.3
trans-1,2-Dichloroethene	6.3	U	0.49	6.3
1,2-Dichloropropane	6.3	U	0.85	6.3
1,3-Dichloropropane	6.3	U	0.86	6.3
2,2-Dichloropropane	6.3	U	0.87	6.3
1,1-Dichloropropene	32	U	0.72	32
cis-1,3-Dichloropropene	6.3	U	0.71	6.3
trans-1,3-Dichloropropene	6.3	U	0.34	6.3
Ethylbenzene	6.3	U	0.89	6.3
Hexachlorobutadiene	6.3	U	0.79	6.3
2-Hexanone	13	U	1.5	13
Isopropylbenzene	6.3	U	0.24	6.3
4-Isopropyltoluene	~~6.3~~ R	~~U~~	0.67	6.3

JAM 5/24/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **CC-5**

Lab Sample ID: 220-8960-3
Client Matrix: Solid

% Moisture: 1.6

Date Sampled: 04/30/2009 1430
Date Received: 04/30/2009 1717

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/14/2009 2231
Date Prepared: 05/01/2009 1538

Analysis Batch: 220-27195
Prep Batch: 220-26789

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0561.D
Initial Weight/Volume: 4.01 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride		~~25~~ R	U	1.4	25
methyl isobutyl ketone		100 J		0.70	6.3
Methyl tert-butyl ether		~~6.3~~ R	U	0.27	6.3
Naphthalene		~~6.3~~ R	U	0.37	6.3
N-Propylbenzene	6.3UJ	~~1.7~~ J	J	0.77	6.3
Styrene		~~6.3~~ R	U	0.19	6.3
1,1,1,2-Tetrachloroethane		~~6.3~~ R	U	0.66	6.3
1,1,2,2-Tetrachloroethane		~~6.3~~ R	U	0.66	6.3
Toluene	6.3UJ	~~0.35~~ J	J	0.094	6.3
Tetrachloroethene		~~6.3~~ R	U	1.0	6.3
Tetrahydrofuran		25	U	7.8	25
1,2,3-Trichlorobenzene		6.3	U	0.79	6.3
1,2,4-Trichlorobenzene		6.3	U	0.95	6.3
1,1,1-Trichloroethane		6.3	U	0.67	6.3
1,1,2-Trichloroethane		6.3	U	0.47	6.3
Trichloroethene		6.3	U	1.0	6.3
Trichlorofluoromethane		6.3	U	0.19	6.3
1,2,3-Trichloropropane		6.3	U	1.2	6.3
1,1,2-Trichloro-1,2,2-trifluoroethane		~~6.3~~ R	U	1.0	6.3
1,2,4-Trimethylbenzene		17 J		0.96	6.3
1,3,5-Trimethylbenzene	6.3UJ	~~4.4~~ J	J	0.63	6.3
Vinyl chloride		~~6.3~~ R	U	0.29	6.3
m&p-Xylene		6.5 J		0.44	6.3
o-Xylene	6.3UJ	~~4.7~~ J	J	0.24	6.3

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		59 - 132
4-Bromofluorobenzene	60		34 - 124
Dibromofluoromethane	0	*	59 - 123
Toluene-d8 (Surr)	82		50 - 118

5/24/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: CC-5

Lab Sample ID: 220-8960-3
Client Matrix: Solid

% Moisture: 1.6

Date Sampled: 04/30/2009 1430
Date Received: 04/30/2009 1717

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/14/2009 2314
Date Prepared: 05/01/2009 1544

Analysis Batch: 220-27195
Prep Batch: 220-26789
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0562.D
Initial Weight/Volume: 4.14 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~25~~ R	~~U~~	2.7	25
Acrylonitrile	6.1	U	1.7	6.1
Benzene	6.1	U	0.70	6.1
Bromobenzene	6.1	U	0.65	6.1
n-Butylbenzene	6.1	U	1.4	6.1
sec-Butylbenzene	6.1	U	0.65	6.1
tert-Butylbenzene	6.1	U	0.36	6.1
Bromodichloromethane	6.1	U	0.37	6.1
Bromoform	6.1	U	0.75	6.1
Bromomethane	6.1	U	2.6	6.1
Methyl Ethyl Ketone	12	U	2.0	12
Chlorobenzene	6.1	U	0.72	6.1
Carbon disulfide	6.1	U *	0.50	6.1
Carbon tetrachloride	6.1	U	1.2	6.1
Chloroethane	6.1	U	1.2	6.1
Chloroform	6.1	U	0.42	6.1
Chloromethane	6.1	U	0.96	6.1
2-Chlorotoluene	6.1	U	0.79	6.1
4-Chlorotoluene	6.1	U	0.77	6.1
Dibromochloromethane	6.1	U	0.43	6.1
1,2-Dibromo-3-Chloropropane	12	U	5.6	12
1,2-Dibromoethane	6.1	U	0.93	6.1
Dibromomethane	6.1	U	0.79	6.1
1,2-Dichlorobenzene	6.1	U	0.29	6.1
1,3-Dichlorobenzene	6.1	U	0.26	6.1
1,4-Dichlorobenzene	6.1	U	0.82	6.1
trans-1,4-Dichloro-2-butene	12	U *	1.4	12
Dichlorodifluoromethane	6.1	U	0.43	6.1
1,1-Dichloroethane	6.1	U	0.37	6.1
1,2-Dichloroethane	6.1	U	0.71	6.1
1,1-Dichloroethene	6.1	U	0.71	6.1
cis-1,2-Dichloroethene	6.1	U	0.45	6.1
trans-1,2-Dichloroethene	6.1	U	0.48	6.1
1,2-Dichloropropane	6.1	U	0.82	6.1
1,3-Dichloropropane	6.1	U	0.83	6.1
2,2-Dichloropropane	6.1	U	0.85	6.1
1,1-Dichloropropene	31	U	0.70	31
cis-1,3-Dichloropropene	6.1	U	0.69	6.1
trans-1,3-Dichloropropene	6.1	U	0.33	6.1
Ethylbenzene	6.1	U	0.86	6.1
Hexachlorobutadiene	6.1	U	0.76	6.1
2-Hexanone	12	U	1.5	12
Isopropylbenzene	6.1	U	0.23	6.1
4-Isopropyltoluene	6.1 R	U	0.65	6.1

do not report

JAM 5/24/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **CC-5**

Lab Sample ID: 220-8960-3
Client Matrix: Solid

% Moisture: 1.6

Date Sampled: 04/30/2009 1430
Date Received: 04/30/2009 1717

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/14/2009 2314
Date Prepared: 05/01/2009 1544

Analysis Batch: 220-27195
Prep Batch: 220-26789
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0562.D
Initial Weight/Volume: 4.14 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)		Qualifier	MDL	RL
Methylene Chloride	~~25~~	R	~~U~~	1.3	25
methyl isobutyl ketone	60	J		0.67	6.1
Methyl tert-butyl ether	~~6.1~~	R	U	0.26	6.1
Naphthalene	~~6.1~~	R	U	0.36	6.1
N-Propylbenzene	3.5	J	J	0.75	6.1
Styrene	~~6.1~~	R	U	0.18	6.1
1,1,1,2-Tetrachloroethane	6.1		U	0.64	6.1
1,1,2,2-Tetrachloroethane	6.1		U	0.64	6.1
Toluene	6.1		U	0.091	6.1
Tetrachloroethene	6.1		U	0.99	6.1
Tetrahydrofuran	25		U	7.6	25
1,2,3-Trichlorobenzene	6.1		U	0.76	6.1
1,2,4-Trichlorobenzene	6.1		U	0.92	6.1
1,1,1-Trichloroethane	6.1		U	0.65	6.1
1,1,2-Trichloroethane	6.1		U	0.45	6.1
Trichloroethene	6.1		U	0.99	6.1
Trichlorofluoromethane	6.1		U	0.18	6.1
1,2,3-Trichloropropane	6.1		U	1.1	6.1
1,1,2-Trichloro-1,2,2-trifluoroethane	~~6.1~~	R	U	0.97	6.1
1,2,4-Trimethylbenzene	30	J		0.93	6.1
1,3,5-Trimethylbenzene	7.7	J		0.61	6.1
Vinyl chloride	~~6.1~~	R	U	0.28	6.1
m&p-Xylene	3.9	J	J	0.43	6.1
o-Xylene	3.9	J	J	0.23	6.1

do not report

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	79	59 - 132
4-Bromofluorobenzene	97	34 - 124
Dibromofluoromethane	0	59 - 123
Toluene-d8 (Surr)	79	50 - 118

JAM 5/24/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: CC-5

Lab Sample ID: 220-8960-3
Client Matrix: Solid

% Moisture: 1.6

Date Sampled: 04/30/2009 1430
Date Received: 04/30/2009 1717

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/12/2009 1400
Date Prepared: 05/08/2009 1055

Analysis Batch: 220-27083
Prep Batch: 220-26968

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.01 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.2	U J	1.3	4.2
Arsenic		5.3	U	1.7	5.3
Barium		233 J		0.063	1.3
Beryllium		~~0.72~~ 1.3U ✓	~~J~~	0.063	1.3
Cadmium		1.3	U J	0.25	1.3
Chromium		22.9 J		0.13	1.3
Copper		20.5 J		0.48	1.5
Lead		3.8		0.78	3.8
Cobalt		5.9		0.13	1.3
Nickel		17.9		0.25	1.3
Selenium		9.5	U J	3.2	9.5
Silver		1.3	U J	0.063	1.3
Thallium		~~0.9~~ 3.8 U ✓	~~J~~	0.88	3.8
Vanadium		33.7		0.25	1.3
Zinc		83.1 J		1.3	6.3
Tin		3.8	U J	1.0	3.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/08/2009 1102
Date Prepared: 05/07/2009 1300

Analysis Batch: 220-26971
Prep Batch: 220-26952

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.65 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.047	U	0.0038	0.047

Revised 6/17/09 JM
JJ 6/25/09

JM 5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-2
Sdg Number: 220-8960

Client Sample ID: **CC-5**

Lab Sample ID: 220-8960-3
Client Matrix: Solid

Date Sampled: 04/30/2009 1430
Date Received: 04/30/2009 1717

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27638		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27622		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27611		Initial Weight/Volume:	100 mL
Date Analyzed:	06/02/2009 1727			Final Weight/Volume:	500 mL
Date Prepared:	06/02/2009 1141				
Date Leached:	06/01/2009 1510				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		355		0.40	2.5
Chromium		21.9		0.48	5.0
Cobalt		2.5	U	0.63	2.5
Lead		~~0.84~~ 2.5U	~~J~~	0.50	2.5
Vanadium		~~0.65~~ 2.5U	~~J~~	0.56	2.5

WW 10/5/09

Jam 6/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: CC-5

Lab Sample ID:	220-8960-3			Date Sampled:	04/30/2009 1430
Client Matrix:	Solid	% Moisture:	1.6	Date Received:	04/30/2009 1717

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26759		Lab File ID:	DX1021105.D
Dilution:	1.0			Initial Weight/Volume:	15.32 g
Date Analyzed:	05/12/2009 1036			Final Weight/Volume:	1.0 mL
Date Prepared:	05/01/2009 0832			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	76000		12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	108	50 - 150

Jm 5/24/09

WW 6/4/09

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

General Chemistry

Client Sample ID: CC-5

Lab Sample ID: 220-8960-3
Client Matrix: Solid

% Moisture: 1.6

Date Sampled: 04/30/2009 1430
Date Received: 04/30/2009 1717

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	510	U	ug/Kg	51	510	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1635			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1600			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	1.57		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26802	Date Analyzed		05/02/2009 1435			
Percent Solids	98.4		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26802	Date Analyzed		05/02/2009 1435			

Client Sample ID: FB43009

Lab Sample ID: 220-8960-4
Client Matrix: Water

Date Sampled: 04/30/2009 1500
Date Received: 04/30/2009 1717

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	10	U	ug/L	2.3	10	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1651			
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1600			

Revised results LAM 6/17/09
JW 6/25/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **CC-6**

Lab Sample ID: 220-8986-1
Client Matrix: Solid
% Moisture: 2.7

Date Sampled: 05/01/2009 1320
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1634
Date Prepared: 05/02/2009 1030

Analysis Batch: 220-27158
Prep Batch: 220-27157

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0504.D
Initial Weight/Volume: 4.95 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~14~~ 21UJ	~~J~~	2.3	21
Acrylonitrile	5.2	UJ	1.5	5.2
Benzene	5.2	U	0.59	5.2
Bromobenzene	5.2	U	0.55	5.2
n-Butylbenzene	5.2	U	1.2	5.2
sec-Butylbenzene	5.2	U	0.55	5.2
tert-Butylbenzene	5.2	U	0.30	5.2
Bromodichloromethane	5.2	U	0.31	5.2
Bromoform	5.2	U	0.63	5.2
Bromomethane	5.2	U	2.2	5.2
Methyl Ethyl Ketone	10	U*	1.7	10
Chlorobenzene	5.2	U	0.61	5.2
Carbon disulfide	5.2	U	0.43	5.2
Carbon tetrachloride	5.2	U	0.99	5.2
Chloroethane	5.2	U	1.0	5.2
Chloroform	5.2	U	0.35	5.2
Chloromethane	5.2	U	0.81	5.2
2-Chlorotoluene	5.2	U	0.66	5.2
4-Chlorotoluene	5.2	U	0.65	5.2
Dibromochloromethane	5.2	U	0.36	5.2
1,2-Dibromo-3-Chloropropane	10	U	4.7	10
1,2-Dibromoethane	5.2	U	0.79	5.2
Dibromomethane	5.2	U	0.66	5.2
1,2-Dichlorobenzene	5.2	U	0.25	5.2
1,3-Dichlorobenzene	5.2	U	0.22	5.2
1,4-Dichlorobenzene	5.2	U	0.70	5.2
trans-1,4-Dichloro-2-butene	10	U*	1.2	10
Dichlorodifluoromethane	5.2	U	0.36	5.2
1,1-Dichloroethane	5.2	U	0.31	5.2
1,2-Dichloroethane	5.2	U	0.60	5.2
1,1-Dichloroethene	5.2	U	0.60	5.2
cis-1,2-Dichloroethene	5.2	U	0.38	5.2
trans-1,2-Dichloroethene	5.2	U	0.40	5.2
1,2-Dichloropropane	5.2	U	0.70	5.2
1,3-Dichloropropane	5.2	U	0.71	5.2
2,2-Dichloropropane	5.2	U	0.72	5.2
1,1-Dichloropropene	26	U	0.59	26
cis-1,3-Dichloropropene	5.2	U	0.58	5.2
trans-1,3-Dichloropropene	5.2	U	0.28	5.2
Ethylbenzene	5.2	U	0.73	5.2
Hexachlorobutadiene	5.2	U	0.64	5.2
2-Hexanone	10	U*	1.2	10
Isopropylbenzene	5.2	U	0.20	5.2
4-Isopropyltoluene	5.2	UJ	0.55	5.2

JMM 5/23/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **CC-6**

Lab Sample ID: 220-8986-1
Client Matrix: Solid
% Moisture: 2.7

Date Sampled: 05/01/2009 1320
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1634
Date Prepared: 05/02/2009 1030

Analysis Batch: 220-27158
Prep Batch: 220-27157

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0504.D
Initial Weight/Volume: 4.95 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	21	U J	1.1	21
methyl isobutyl ketone	5.2	U	0.57	5.2
Methyl tert-butyl ether	5.2	U	0.22	5.2
Naphthalene	5.2	U	0.30	5.2
N-Propylbenzene	5.2	U	0.63	5.2
Styrene	5.2	U	0.16	5.2
1,1,1,2-Tetrachloroethane	5.2	U	0.54	5.2
1,1,2,2-Tetrachloroethane	5.2	UJ	0.54	5.2
Toluene	~~0.43~~ 5.2 UJ	~~J~~	0.077	5.2
Tetrachloroethene	5.2	U J	0.84	5.2
Tetrahydrofuran	21	U	6.4	21
1,2,3-Trichlorobenzene	5.2	U	0.64	5.2
1,2,4-Trichlorobenzene	5.2	U	0.78	5.2
1,1,1-Trichloroethane	5.2	U	0.55	5.2
1,1,2-Trichloroethane	5.2	U	0.38	5.2
Trichloroethene	5.2	U	0.84	5.2
Trichlorofluoromethane	5.2	U	0.16	5.2
1,2,3-Trichloropropane	5.2	U	0.96	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	UJ	0.82	5.2
1,2,4-Trimethylbenzene	~~4.4~~ 5.2 UJ	~~J~~	0.79	5.2
1,3,5-Trimethylbenzene	~~0.86~~ 5.2 UJ	~~J~~	0.52	5.2
Vinyl chloride	5.2	UJ	0.24	5.2
m&p-Xylene	5.2	UJ	0.36	5.2
o-Xylene	5.2	U J	0.20	5.2

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	79		59 - 132
4-Bromofluorobenzene	92		34 - 124
Dibromofluoromethane	11	*	59 - 123
Toluene-d8 (Surr)	87		50 - 118

JM 5/23/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **CC-6**

Lab Sample ID: 220-8986-1
Client Matrix: Solid
% Moisture: 2.7

Date Sampled: 05/01/2009 1320
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/13/2009 2146
Date Prepared: 05/02/2009 1030

Analysis Batch: 220-27150
Prep Batch: 220-27157
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0535.D
Initial Weight/Volume: 4.43 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~6.0~~ 23UJ	~~J~~	2.6	23
Acrylonitrile	~~5.8~~ R	~~U~~	1.6	5.8
Benzene	5.8	U	0.66	5.8
Bromobenzene	5.8	U	0.61	5.8
n-Butylbenzene	5.8	U	1.3	5.8
sec-Butylbenzene	5.8	U	0.61	5.8
tert-Butylbenzene	5.8	U	0.34	5.8
Bromodichloromethane	5.8	U	0.35	5.8
Bromoform	5.8	U	0.71	5.8
Bromomethane	5.8	U	2.4	5.8
Methyl Ethyl Ketone	12	U *	1.8	12
Chlorobenzene	5.8	U	0.68	5.8
Carbon disulfide	5.8	U	0.48	5.8
Carbon tetrachloride	5.8	U	1.1	5.8
Chloroethane	5.8	U	1.1	5.8
Chloroform	5.8	U	0.39	5.8
Chloromethane	5.8	U *	0.90	5.8
2-Chlorotoluene	5.8	U	0.74	5.8
4-Chlorotoluene	5.8	U	0.73	5.8
Dibromochloromethane	5.8	U	0.41	5.8
1,2-Dibromo-3-Chloropropane	12	U	5.3	12
1,2-Dibromoethane	5.8	U	0.88	5.8
Dibromomethane	5.8	U	0.74	5.8
1,2-Dichlorobenzene	5.8	U	0.28	5.8
1,3-Dichlorobenzene	5.8	U	0.24	5.8
1,4-Dichlorobenzene	5.8	U	0.78	5.8
trans-1,4-Dichloro-2-butene	12	U *	1.3	12
Dichlorodifluoromethane	5.8	U *	0.41	5.8
1,1-Dichloroethane	5.8	U	0.35	5.8
1,2-Dichloroethane	5.8	U	0.67	5.8
1,1-Dichloroethene	5.8	U	0.67	5.8
cis-1,2-Dichloroethene	5.8	U	0.43	5.8
trans-1,2-Dichloroethene	5.8	U	0.45	5.8
1,2-Dichloropropane	5.8	U	0.78	5.8
1,3-Dichloropropane	5.8	U	0.79	5.8
2,2-Dichloropropane	5.8	U	0.80	5.8
1,1-Dichloropropene	29	U	0.66	29
cis-1,3-Dichloropropene	5.8	U	0.65	5.8
trans-1,3-Dichloropropene	5.8	U	0.31	5.8
Ethylbenzene	5.8	U	0.81	5.8
Hexachlorobutadiene	5.8	U	0.72	5.8
2-Hexanone	12	U	1.4	12
Isopropylbenzene	5.8	U	0.22	5.8
4-Isopropyltoluene	~~5.8~~ R	~~U~~	0.61	5.8

do not report

5/23/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **CC-6**

Lab Sample ID: 220-8986-1
Client Matrix: Solid
% Moisture: 2.7

Date Sampled: 05/01/2009 1320
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/13/2009 2146
Date Prepared: 05/02/2009 1030

Analysis Batch: 220-27150
Prep Batch: 220-27157
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0535.D
Initial Weight/Volume: 4.43 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y Result (ug/Kg)		Qualifier	MDL	RL
Methylene Chloride	~~23~~	R	~~U~~	1.3	23
methyl isobutyl ketone	~~5.8~~		~~U~~	0.64	5.8
Methyl tert-butyl ether	~~5.8~~		~~U~~	0.24	5.8
Naphthalene	~~5.8~~		~~U~~	0.34	5.8
N-Propylbenzene	~~5.8~~		~~U~~	0.71	5.8
Styrene	~~5.8~~		~~U~~	0.17	5.8
1,1,1,2-Tetrachloroethane	~~5.8~~		~~U~~	0.60	5.8
1,1,2,2-Tetrachloroethane	~~5.8~~	R	~~U~~	0.60	5.8
Toluene	~~0.35~~	5.8UJ	~~J~~	0.086	5.8
Tetrachloroethene	~~5.8~~	R	~~U~~	0.94	5.8
Tetrahydrofuran	~~23~~		~~U~~	7.1	23
1,2,3-Trichlorobenzene	~~5.8~~		~~U~~	0.72	5.8
1,2,4-Trichlorobenzene	~~5.8~~		~~U~~	0.87	5.8
1,1,1-Trichloroethane	~~5.8~~		~~U~~	0.61	5.8
1,1,2-Trichloroethane	~~5.8~~		~~U~~	0.43	5.8
Trichloroethene	~~5.8~~		~~U~~	0.94	5.8
Trichlorofluoromethane	~~5.8~~		~~U~~	0.17	5.8
1,2,3-Trichloropropane	~~5.8~~		~~U~~	1.1	5.8
1,1,2-Trichloro-1,2,2-trifluoroethane	~~5.8~~	R	~~U~~	0.92	5.8
1,2,4-Trimethylbenzene	~~5.0~~	5.8UJ	~~J~~	0.88	5.8
1,3,5-Trimethylbenzene	~~5.0~~	R	~~U~~	0.58	5.8
Vinyl chloride	~~5.8~~		~~U~~ *	0.27	5.8
m&p-Xylene	~~5.8~~		~~U~~	0.41	5.8
o-Xylene	~~5.8~~	R	~~U~~	0.22	5.8

Do not report

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	71		59 - 132
4-Bromofluorobenzene	89		34 - 124
Dibromofluoromethane	0	*	59 - 123
Toluene-d8 (Surr)	81		50 - 118

JAM 5/23/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: CC-6

Lab Sample ID:	220-8986-1		Date Sampled: 05/01/2009 1320
Client Matrix:	Solid	% Moisture: 2.7	Date Received: 05/01/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-27083	Instrument ID:	Perkin Elmer ICP
Preparation:	3050B	Prep Batch: 220-26968	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	2.00 g
Date Analyzed:	05/12/2009 1416		Final Weight/Volume:	250 mL
Date Prepared:	05/08/2009 1055			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.2	U J.	1.3	4.2
Arsenic		~~3.2~~ 5.4U	~~J~~ ✓	1.7	5.4
Barium		95.0 J.		0.064	1.3
Beryllium		~~0.69~~ 1.3U	~~J~~ ✓	0.064	1.3
Cadmium		1.3	UJ.	0.26	1.3
Chromium		22.9 J.		0.13	1.3
Copper		25.5 J.		0.49	1.5
Lead		5.1		0.80	3.9
Cobalt		5.3		0.13	1.3
Nickel		15.8		0.26	1.3
Selenium		9.6	UJ.	3.2	9.6
Silver		1.3	UJ.	0.064	1.3
Thallium		~~3.6~~ 3.9U ✓	~~J~~	0.90	3.9
Vanadium		36.5		0.26	1.3
Zinc		31.2 J.		1.3	6.4
Tin		~~1.3~~ 3.9UJ.	~~J~~ ✓	1.0	3.9

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-26971	Instrument ID:	Perkin Elmer FIMS
Preparation:	7471A	Prep Batch: 220-26952	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.64 g
Date Analyzed:	05/08/2009 1105		Final Weight/Volume:	50 mL
Date Prepared:	05/07/2009 1300			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.048	U	0.0039	0.048

JAN 6/17/09
JW 6/25/09

JAN 5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-2
Sdg Number: 220-8986

Client Sample ID: CC-6

Lab Sample ID: 220-8986-1
Client Matrix: Solid

Date Sampled: 05/01/2009 1320
Date Received: 05/01/2009 1710

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27636		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27622		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27611		Initial Weight/Volume:	100 mL
Date Analyzed:	06/02/2009 1636			Final Weight/Volume:	500 mL
Date Prepared:	06/02/2009 1141				
Date Leached:	06/01/2009 1510				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		2.5	U	0.28	2.5
Chromium		13.1		0.48	5.0
Cobalt		2.5	U	0.63	2.5
Lead		~~4.7~~ 2.5U ✓	~~J~~	0.50	2.5
Vanadium		2.5	U	0.56	2.5

WW 6/15/09

Jmm 6/16/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **CC-6**

Lab Sample ID:	220-8986-1			Date Sampled:	05/01/2009 1320
Client Matrix:	Solid	% Moisture:	2.7	Date Received:	05/01/2009 1710

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26825		Lab File ID:	DX1021106.D
Dilution:	1.0			Initial Weight/Volume:	15.47 g
Date Analyzed:	05/12/2009 1056			Final Weight/Volume:	1 mL
Date Prepared:	05/04/2009 1310			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	47000		12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	86	50 - 150

Ryan
5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **CC-7**

Lab Sample ID: 220-8986-2
Client Matrix: Solid
% Moisture: 1.4

Date Sampled: 05/01/2009 1400
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1659
Date Prepared: 05/02/2009 1030

Analysis Batch: 220-27158
Prep Batch: 220-27157

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0505.D
Initial Weight/Volume: 5.11 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	22 UJ.	~~J~~	2.2	20
Acrylonitrile	5.0	U	1.4	5.0
Benzene	5.0	U	0.57	5.0
Bromobenzene	5.0	U	0.53	5.0
n-Butylbenzene	5.0	U	1.1	5.0
sec-Butylbenzene	5.0	U	0.53	5.0
tert-Butylbenzene	5.0	U	0.29	5.0
Bromodichloromethane	5.0	U	0.30	5.0
Bromoform	5.0	U	0.61	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	9.9	U J	1.6	9.9
Chlorobenzene	5.0	U	0.59	5.0
Carbon disulfide	5.0	U	0.41	5.0
Carbon tetrachloride	5.0	U	0.94	5.0
Chloroethane	5.0	U	0.97	5.0
Chloroform	5.0	U	0.34	5.0
Chloromethane	5.0	U	0.77	5.0
2-Chlorotoluene	5.0	U	0.63	5.0
4-Chlorotoluene	5.0	U	0.62	5.0
Dibromochloromethane	5.0	U	0.35	5.0
1,2-Dibromo-3-Chloropropane	9.9	U	4.5	9.9
1,2-Dibromoethane	5.0	U	0.75	5.0
Dibromomethane	5.0	U	0.63	5.0
1,2-Dichlorobenzene	5.0	U	0.24	5.0
1,3-Dichlorobenzene	5.0	U	0.21	5.0
1,4-Dichlorobenzene	5.0	U	0.66	5.0
trans-1,4-Dichloro-2-butene	9.9	U J	1.1	9.9
Dichlorodifluoromethane	5.0	U	0.35	5.0
1,1-Dichloroethane	5.0	U	0.30	5.0
1,2-Dichloroethane	5.0	U	0.58	5.0
1,1-Dichloroethene	5.0	U	0.58	5.0
cis-1,2-Dichloroethene	5.0	U	0.37	5.0
trans-1,2-Dichloroethene	5.0	U	0.39	5.0
1,2-Dichloropropane	5.0	U	0.66	5.0
1,3-Dichloropropane	5.0	U	0.67	5.0
2,2-Dichloropropane	5.0	U	0.68	5.0
1,1-Dichloropropene	25	U	0.57	25
cis-1,3-Dichloropropene	5.0	U	0.56	5.0
trans-1,3-Dichloropropene	5.0	U	0.27	5.0
Ethylbenzene	~~110~~ 2.800		0.69	5.0
Hexachlorobutadiene	5.0	U	0.62	5.0
2-Hexanone	9.9	U J	1.2	9.9
Isopropylbenzene	5.0	U	0.19	5.0
4-Isopropyltoluene	~~3.0~~ 5.0U	~~J~~	0.53	5.0

JAM 5/23/1

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **CC-7**

Lab Sample ID: 220-8986-2
Client Matrix: Solid
% Moisture: 1.4

Date Sampled: 05/01/2009 1400
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1659
Date Prepared: 05/02/2009 1030

Analysis Batch: 220-27158
Prep Batch: 220-27157

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0505.D
Initial Weight/Volume: 5.11 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	20	U	1.1	20
methyl isobutyl ketone	5.0	U	0.55	5.0
Methyl tert-butyl ether	5.0	U	0.21	5.0
Naphthalene	5.0	U	0.29	5.0
N-Propylbenzene	5.0	U	0.61	5.0
Styrene	5.0	U	0.15	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.52	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.52	5.0
Toluene	~~2.5~~ 5.0U.	~~J~~	0.073	5.0
Tetrachloroethene	5.0	U	0.80	5.0
Tetrahydrofuran	20	U	6.1	20
1,2,3-Trichlorobenzene	5.0	U	0.62	5.0
1,2,4-Trichlorobenzene	5.0	U	0.74	5.0
1,1,1-Trichloroethane	5.0	U	0.53	5.0
1,1,2-Trichloroethane	5.0	U	0.37	5.0
Trichloroethene	5.0	U	0.80	5.0
Trichlorofluoromethane	5.0	U	0.15	5.0
1,2,3-Trichloropropane	5.0	U	0.91	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	0.78	5.0
1,2,4-Trimethylbenzene	5.0	U	0.75	5.0
1,3,5-Trimethylbenzene	5.0	U	0.50	5.0
Vinyl chloride	5.0	U	0.23	5.0
m&p-Xylene	~~560~~ 16,000.	~~E~~	0.35	5.0
o-Xylene	~~160~~ 4200.		0.19	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81	59 - 132
4-Bromofluorobenzene	92	34 - 124
Dibromofluoromethane	59	59 - 123
Toluene-d8 (Surr)	88	50 - 118

JAM 5/23/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **CC-7**

Lab Sample ID: 220-8986-2
Client Matrix: Solid

% Moisture: 1.4

Date Sampled: 05/01/2009 1400
Date Received: 05/01/2009 1710

8260B VOC

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 05/15/2009 1521
Date Prepared: 05/02/2009 1303

Analysis Batch: 220-27213
Prep Batch: 220-27212
Run Type: DL

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V4237.D
Initial Weight/Volume: 2.56 g
Final Weight/Volume: 5.468 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~540~~ 1400U	~~J~~	260	1400
Acrylonitrile	540	U	140	540
Benzene	540	U	71	540
Bromobenzene	540	U	65	540
n-Butylbenzene	540	U	94	540
sec-Butylbenzene	540	U	82	540
tert-Butylbenzene	540	U	76	540
Bromodichloromethane	540	U	75	540
Bromoform	540	U	87	540
Bromomethane	540	U	100	540
Methyl Ethyl Ketone	540	U	120	540
Chlorobenzene	540	U	67	540
Carbon disulfide	540	U	71	540
Carbon tetrachloride	540	UJ	83	540
Chloroethane	540	U	87	540
Chloroform	540	U	67	540
Chloromethane	~~160~~ 540U	~~JB~~	69	540
2-Chlorotoluene	540	U	170	540
4-Chlorotoluene	540	U	76	540
Dibromochloromethane	540	U	84	540
1,2-Dibromo-3-Chloropropane	540	U	63	540
1,2-Dibromoethane	540	U	54	540
Dibromomethane	540	U	77	540
1,2-Dichlorobenzene	540	U	65	540
1,3-Dichlorobenzene	540	U	65	540
1,4-Dichlorobenzene	540	U	67	540
trans-1,4-Dichloro-2-butene	540	U	260	540
Dichlorodifluoromethane	540	UJ	84	540
1,1-Dichloroethane	540	U	78	540
1,2-Dichloroethane	540	U	64	540
1,1-Dichloroethene	540	U	81	540
cis-1,2-Dichloroethene	540	U	65	540
trans-1,2-Dichloroethene	540	U	57	540
1,2-Dichloropropane	540	U	56	540
1,3-Dichloropropane	540	U	71	540
2,2-Dichloropropane	540	U	60	540
1,1-Dichloropropene	540	U	76	540
cis-1,3-Dichloropropene	540	U	66	540
trans-1,3-Dichloropropene	540	U	67	540
Ethylbenzene	2800		56	540
Hexachlorobutadiene	540	U	110	540
2-Hexanone	540	U	140	540
Isopropylbenzene	540	U	77	540
4-Isopropyltoluene	280	J	66	540

Report Circled results only

jm 5/23/10

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **CC-7**

Lab Sample ID: 220-8986-2
Client Matrix: Solid

% Moisture: 1.4

Date Sampled: 05/01/2009 1400
Date Received: 05/01/2009 1710

8260B VOC

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 05/15/2009 1521
Date Prepared: 05/02/2009 1303

Analysis Batch: 220-27213
Prep Batch: 220-27212
Run Type: DL

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V4237.D
Initial Weight/Volume: 2.56 g
Final Weight/Volume: 5.468 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	1400		88	540
methyl isobutyl ketone	540	U	89	540
Methyl tert-butyl ether	540	UJ	54	540
Naphthalene	540	U	83	540
N-Propylbenzene	110	J	70	540
Styrene	540	U	87	540
1,1,1,2-Tetrachloroethane	540	U	93	540
1,1,2,2-Tetrachloroethane	540	U	71	540
Toluene	~~450~~ 540U	~~J~~	78	540
Tetrachloroethene	540	U	89	540
Tetrahydrofuran	540	U	180	540
1,2,3-Trichlorobenzene	540	U	81	540
1,2,4-Trichlorobenzene	540	U	95	540
1,1,1-Trichloroethane	540	U	67	540
1,1,2-Trichloroethane	540	U	74	540
Trichloroethene	540	U	70	540
Trichlorofluoromethane	540	U	69	540
1,2,3-Trichloropropane	540	U	140	540
1,1,2-Trichloro-1,2,2-trifluoroethane	540	UJ	75	540
1,2,4-Trimethylbenzene	96	J	58	540
1,3,5-Trimethylbenzene	58	J	57	540
Vinyl chloride	540	U	73	540
m&p-Xylene	16000		140	540
o-Xylene	4200		89	540

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	64 - 126
4-Bromofluorobenzene	104	56 - 139
Dibromofluoromethane	118	65 - 123
Toluene-d8 (Surr)	121	70 - 128

5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: CC-7

Lab Sample ID:	220-8986-2		Date Sampled:	05/01/2009 1400
Client Matrix:	Solid	% Moisture: 1.4	Date Received:	05/01/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-27083		Instrument ID:	Perkin Elmer ICP
Preparation:	3050B	Prep Batch: 220-26968		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	2.07 g
Date Analyzed:	05/12/2009 1419			Final Weight/Volume:	250 mL
Date Prepared:	05/08/2009 1055				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.0	UJ.	1.2	4.0
Arsenic		~~3.6~~ 5.1U	~~J~~	1.7	5.1
Barium		118 J.		0.061	1.2
Beryllium		~~0.55~~ 1.2U	~~J~~	0.061	1.2
Cadmium		1.2	UJ.	0.24	1.2
Chromium		17.4 J.		0.12	1.2
Copper		10.7 J.		0.47	1.5
Lead		5.5		0.76	3.7
Cobalt		5.3		0.12	1.2
Nickel		10.6		0.24	1.2
Selenium		9.2	UJ.	3.1	9.2
Silver		1.2	UJ.	0.061	1.2
Thallium		~~4.4~~ 3.7U	~~J~~	0.86	3.7
Vanadium		31.0		0.24	1.2
Zinc		33.8 J.		1.2	6.1
Tin		3.7	UJ.	0.98	3.7

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-26971		Instrument ID:	Perkin Elmer FIMS
Preparation:	7471A	Prep Batch: 220-26952		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Date Analyzed:	05/08/2009 1106			Final Weight/Volume:	50 mL
Date Prepared:	05/07/2009 1300				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.0059~~ 0.047U	~~J~~	0.0037	0.047

Jm 6/17/09
JW 6/25/09

Jm 5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-2
Sdg Number: 220-8986

Client Sample ID: CC-7

Lab Sample ID:	220-8986-2	Date Sampled:	05/01/2009 1400
Client Matrix:	Solid	Date Received:	05/01/2009 1710

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27638		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27622		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27611		Initial Weight/Volume:	100 mL
Date Analyzed:	06/02/2009 1639			Final Weight/Volume:	500 mL
Date Prepared:	06/02/2009 1141				
Date Leached:	06/01/2009 1510				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		~~1.4~~ 2.5U ✓	~~J~~	0.28	2.5
Chromium		12.0		0.48	5.0
Cobalt		2.5	U	0.63	2.5
Lead		2.5	U	0.50	2.5
Vanadium		22.0		0.56	2.5

WO 6/25/09 Jm 6/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: CC-7

Lab Sample ID:	220-8986-2			Date Sampled:	05/01/2009 1400
Client Matrix:	Solid	% Moisture:	1.4	Date Received:	05/01/2009 1710

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26825		Lab File ID:	DX1021126.D
Dilution:	10			Initial Weight/Volume:	15.09 g
Date Analyzed:	05/12/2009 1824			Final Weight/Volume:	1 mL
Date Prepared:	05/04/2009 1310			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	1500000		120000	120000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	129	50 - 150

5/29/09

General Chemistry

Client Sample ID: CC-6

Lab Sample ID: 220-8986-1
Client Matrix: Solid
% Moisture: 2.7
Date Sampled: 05/01/2009 1320
Date Received: 05/01/2009 1710

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	490	U	ug/Kg	49	490	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1636			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1600			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	2.69		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839	Date Analyzed		05/04/2009 1546			
Percent Solids	97.3		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839	Date Analyzed		05/04/2009 1546			

Client Sample ID: CC-7

Lab Sample ID: 220-8986-2
Client Matrix: Solid
% Moisture: 1.4
Date Sampled: 05/01/2009 1400
Date Received: 05/01/2009 1710

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	480	U	ug/Kg	48	480	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1637			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1600			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	1.36		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839	Date Analyzed		05/04/2009 1546			
Percent Solids	98.6		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839	Date Analyzed		05/04/2009 1546			

Jam 5/29/09
WJ 6/4/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **CC-8**

Lab Sample ID: 220-8986-3
Client Matrix: Solid
% Moisture: 2.5
Date Sampled: 05/01/2009 1500
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1724
Date Prepared: 05/02/2009 1030

Analysis Batch: 220-27158
Prep Batch: 220-27157

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0506.D
Initial Weight/Volume: 5.18 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	50 UJ.	—	2.2	20
Acrylonitrile	5.0	U J.	1.4	5.0
Benzene	5.0	U	0.56	5.0
Bromobenzene	5.0	U	0.52	5.0
n-Butylbenzene	5.0	U	1.1	5.0
sec-Butylbenzene	5.0	U	0.52	5.0
tert-Butylbenzene	5.0	U	0.29	5.0
Bromodichloromethane	5.0	U	0.30	5.0
Bromoform	5.0	U	0.60	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	9.9	U	1.6	9.9
Chlorobenzene	5.0	U	0.58	5.0
Carbon disulfide	5.0	U	0.41	5.0
Carbon tetrachloride	5.0	U	0.94	5.0
Chloroethane	5.0	U	0.97	5.0
Chloroform	5.0	U	0.34	5.0
Chloromethane	5.0	U	0.77	5.0
2-Chlorotoluene	5.0	U	0.63	5.0
4-Chlorotoluene	5.0	U	0.62	5.0
Dibromochloromethane	5.0	U	0.35	5.0
1,2-Dibromo-3-Chloropropane	9.9	U	4.5	9.9
1,2-Dibromoethane	5.0	U	0.75	5.0
Dibromomethane	5.0	U	0.63	5.0
1,2-Dichlorobenzene	5.0	U	0.24	5.0
1,3-Dichlorobenzene	5.0	U	0.21	5.0
1,4-Dichlorobenzene	5.0	U	0.66	5.0
trans-1,4-Dichloro-2-butene	9.9	U*	1.1	9.9
Dichlorodifluoromethane	5.0	U	0.35	5.0
1,1-Dichloroethane	5.0	U	0.30	5.0
1,2-Dichloroethane	5.0	U	0.57	5.0
1,1-Dichloroethene	5.0	U	0.57	5.0
cis-1,2-Dichloroethene	5.0	U	0.37	5.0
trans-1,2-Dichloroethene	5.0	U	0.39	5.0
1,2-Dichloropropane	5.0	U	0.66	5.0
1,3-Dichloropropane	5.0	U	0.67	5.0
2,2-Dichloropropane	5.0	U	0.68	5.0
1,1-Dichloropropene	25	U	0.56	25
cis-1,3-Dichloropropene	5.0	U	0.55	5.0
trans-1,3-Dichloropropene	5.0	U J.	0.27	5.0
Ethylbenzene	~~410~~ 24,000 J.		0.69	5.0
Hexachlorobutadiene	5.0	U J.	0.61	5.0
2-Hexanone	9.9	U J.	1.2	9.9
Isopropylbenzene	5.0	U J.	0.19	5.0
4-Isopropyltoluene	~~3.2~~ 5.0 U J ✓ ~~J.~~		0.52	5.0

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: ***CC-8***

Lab Sample ID: 220-8986-3
Client Matrix: Solid
% Moisture: 2.5

Date Sampled: 05/01/2009 1500
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1724
Date Prepared: 05/02/2009 1030

Analysis Batch: 220-27158
Prep Batch: 220-27157

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 00506.D
Initial Weight/Volume: 5.18 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	20	UJ.	1.1	20
methyl isobutyl ketone	5.0	U	0.54	5.0
Methyl tert-butyl ether	5.0	U	0.21	5.0
Naphthalene	5.0	U	0.29	5.0
N-Propylbenzene	5.0	U	0.60	5.0
Styrene	5.0	U	0.15	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.52	5.0
1,1,2,2-Tetrachloroethane	5.0	UJ.	0.52	5.0
Toluene	~~1.2~~ 5.0UJ.	~~J~~	0.073	5.0
Tetrachloroethene	5.0	UJ.	0.80	5.0
Tetrahydrofuran	20	U	6.1	20
1,2,3-Trichlorobenzene	5.0	U	0.61	5.0
1,2,4-Trichlorobenzene	5.0	U	0.74	5.0
1,1,1-Trichloroethane	5.0	U	0.52	5.0
1,1,2-Trichloroethane	5.0	U	0.37	5.0
Trichloroethene	5.0	U	0.80	5.0
Trichlorofluoromethane	5.0	U	0.15	5.0
1,2,3-Trichloropropane	5.0	U	0.91	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	0.78	5.0
1,2,4-Trimethylbenzene	5.0	U	0.75	5.0
1,3,5-Trimethylbenzene	5.0	U	0.50	5.0
Vinyl chloride	5.0	UJ.	0.23	5.0
m&p-Xylene	~~520~~ 150,000J~~E~~		0.35	5.0
o-Xylene	~~130~~ 43,000J.		0.19	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	59 - 132
4-Bromofluorobenzene	91	34 - 124
Dibromofluoromethane	29	59 - 123
Toluene-d8 (Surr)	84	50 - 118

JAM 5/23/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **CC-8**

Lab Sample ID: 220-8986-3
Client Matrix: Solid

% Moisture: 2.5

Date Sampled: 05/01/2009 1500
Date Received: 05/01/2009 1710

8260B VOC

Method: 8260B
Preparation: 5035-Medium
Dilution: 10
Date Analyzed: 05/15/2009 1546
Date Prepared: 05/02/2009 1303

Analysis Batch: 220-27213
Prep Batch: 220-27212
Run Type: DL

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V4238.D
Initial Weight/Volume: 3.33 g
Final Weight/Volume: 5.703 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~8700~~ 11,000	U ~~J~~	2100	11000
Acrylonitrile	4400	U	1100	4400
Benzene	4400	U	580	4400
Bromobenzene	4400	U	530	4400
n-Butylbenzene	4400	U	760	4400
sec-Butylbenzene	4400	U	670	4400
tert-Butylbenzene	4400	U	620	4400
Bromodichloromethane	4400	U	610	4400
Bromoform	4400	U	700	4400
Bromomethane	4400	U	810	4400
Methyl Ethyl Ketone	4400	U	970	4400
Chlorobenzene	4400	U	540	4400
Carbon disulfide	4400	U	580	4400
Carbon tetrachloride	4400	U J	680	4400
Chloroethane	4400	U	700	4400
Chloroform	4400	U	540	4400
Chloromethane	4400	U	560	4400
2-Chlorotoluene	4400	U	1400	4400
4-Chlorotoluene	4400	U	620	4400
Dibromochloromethane	4400	U	690	4400
1,2-Dibromo-3-Chloropropane	4400	U	510	4400
1,2-Dibromoethane	4400	U	440	4400
Dibromomethane	4400	U	620	4400
1,2-Dichlorobenzene	4400	U	530	4400
1,3-Dichlorobenzene	4400	U	530	4400
1,4-Dichlorobenzene	4400	U	540	4400
trans-1,4-Dichloro-2-butene	4400	U	2100	4400
Dichlorodifluoromethane	4400	UJ	690	4400
1,1-Dichloroethane	4400	U	630	4400
1,2-Dichloroethane	4400	U	520	4400
1,1-Dichloroethene	4400	U	660	4400
cis-1,2-Dichloroethene	4400	U	530	4400
trans-1,2-Dichloroethene	4400	U	470	4400
1,2-Dichloropropane	4400	U	460	4400
1,3-Dichloropropane	4400	U	580	4400
2,2-Dichloropropane	4400	U	480	4400
1,1-Dichloropropene	4400	U	620	4400
cis-1,3-Dichloropropene	4400	U	540	4400
trans-1,3-Dichloropropene	4400	U	540	4400
Ethylbenzene	24000 J.		460	4400
Hexachlorobutadiene	4400	U	880	4400
2-Hexanone	4400	U	1100	4400
Isopropylbenzene	4400	U	620	4400
4-Isopropyltoluene	2100	J	540	4400

Report circled compounds only

JAM 5/23/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: CC-8

Lab Sample ID: 220-8986-3
Client Matrix: Solid
% Moisture: 2.5

Date Sampled: 05/01/2009 1500
Date Received: 05/01/2009 1710

8260B VOC

Method: 8260B
Preparation: 5035-Medium
Dilution: 10
Date Analyzed: 05/15/2009 1546
Date Prepared: 05/02/2009 1303

Analysis Batch: 220-27213
Prep Batch: 220-27212
Run Type: DL

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V4238.D
Initial Weight/Volume: 3.33 g
Final Weight/Volume: 5.703 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	2700	J	710	4400
methyl isobutyl ketone	4400	U	720	4400
Methyl tert-butyl ether	4400	UJ	440	4400
Naphthalene	4400	U	680	4400
N-Propylbenzene	4400	U	570	4400
Styrene	4400	U	700	4400
1,1,1,2-Tetrachloroethane	4400	U	760	4400
1,1,2,2-Tetrachloroethane	4400	U	580	4400
Toluene	4400	U	630	4400
Tetrachloroethene	4400	U	720	4400
Tetrahydrofuran	4400	U	1500	4400
1,2,3-Trichlorobenzene	4400	U	660	4400
1,2,4-Trichlorobenzene	4400	U	770	4400
1,1,1-Trichloroethane	4400	U	540	4400
1,1,2-Trichloroethane	4400	U	600	4400
Trichloroethene	4400	U	570	4400
Trichlorofluoromethane	4400	U	560	4400
1,2,3-Trichloropropane	4400	U	1100	4400
1,1,2-Trichloro-1,2,2-trifluoroethane	4400	UJ	610	4400
1,2,4-Trimethylbenzene	4400	U	470	4400
1,3,5-Trimethylbenzene	4400	U	470	4400
Vinyl chloride	4400	U	590	4400
m&p-Xylene	150000	J	1100	4400
o-Xylene	43000	J	720	4400

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		64 - 126
4-Bromofluorobenzene	104		56 - 139
Dibromofluoromethane	126	*	65 - 123
Toluene-d8 (Surr)	121		70 - 128

5/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **CC-8**

Lab Sample ID:	*220-8986-3*		*Date Sampled:*	*05/01/2009 1500*
Client Matrix:	Solid	% Moisture: 2.5	Date Received:	05/01/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-27083		Instrument ID:	Perkin Elmer ICP
Preparation:	3050B	Prep Batch: 220-26968		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	2.07 g
Date Analyzed:	*05/12/2009 1422*			*Final Weight/Volume:*	*250 mL*
Date Prepared:	05/08/2009 1055				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.1	UJ.	1.3	4.1
Arsenic		~~3.6~~ 5.2U	~~J~~	1.7	5.2
Barium		240 J.		0.062	1.2
Beryllium		~~0.63~~ 1.2U	~~J~~	0.062	1.2
Cadmium		1.2	UJ.	0.25	1.2
Chromium		25.0 J.		0.12	1.2
Copper		16.5 J.		0.47	1.5
Lead		6.9		0.77	3.7
Cobalt		6.0		0.12	1.2
Nickel		16.7		0.25	1.2
Selenium		9.3	UJ.	3.1	9.3
Silver		1.2	UJ.	0.062	1.2
Thallium		~~2.9~~ 3.7U	~~J~~	0.87	3.7
Vanadium		41.4		0.25	1.2
Zinc		33.9 J.		1.2	6.2
Tin		3.7	UJ.	0.99	3.7

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-26971		Instrument ID:	Perkin Elmer FIMS
Preparation:	7471A	Prep Batch: 220-26952		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Date Analyzed:	05/08/2009 1107			Final Weight/Volume:	50 mL
Date Prepared:	05/07/2009 1300				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.018~~ 0.050U	~~J~~	0.0040	0.050

6/17/09
6/25/09

5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-2
Sdg Number: 220-8986

Client Sample ID: **CC-8**

Lab Sample ID: 220-8986-3
Client Matrix: Solid

Date Sampled: 05/01/2009 1500
Date Received: 05/01/2009 1710

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27638		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27622		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27611		Initial Weight/Volume:	100 mL
Date Analyzed:	06/02/2009 1643			Final Weight/Volume:	500 mL
Date Prepared:	06/02/2009 1141				
Date Leached:	06/01/2009 1510				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		~~1.0~~ 2.5U ✓	~~J~~	0.28	2.5
Barium		44.1		0.40	2.5
Chromium		33.5		0.48	5.0
Cobalt		2.5	U	0.63	2.5
Lead		2.5	U	0.50	2.5
Vanadium		20.2		0.56	2.5

JRM 6/16/09

WW 6/25/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **CC-8**

Lab Sample ID:	220-8986-3			Date Sampled:	05/01/2009 1500
Client Matrix:	Solid	% Moisture:	2.5	Date Received:	05/01/2009 1710

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26825		Lab File ID:	DX1021127.D
Dilution:	50			Initial Weight/Volume:	15.01 g
Date Analyzed:	05/12/2009 1843			Final Weight/Volume:	1 mL
Date Prepared:	05/04/2009 1310			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	7700000		620000	620000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	50 - 150

JO 5/29/09

General Chemistry

Client Sample ID: CC-8

Lab Sample ID: *220-8986-3* — *Date Sampled:* *05/01/2009 1500*
Client Matrix: Solid — % Moisture: 2.5 — Date Received: 05/01/2009 1710

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	490	U	ug/Kg	49	490	1.0	9012B
	Anly Batch: 220-26923		Date Analyzed	05/06/2009 1638			DryWt Corrected: Y
	Prep Batch: 220-26879		Date Prepared:	05/05/2009 1600			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	2.55		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839		Date Analyzed	05/04/2009 1546			
Percent Solids	97.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839		Date Analyzed	05/04/2009 1546			

Client Sample ID: SB-63 (1-5)

Lab Sample ID: 220-8986-6 — Date Sampled: 05/01/2009 0855
Client Matrix: Solid — % Moisture: 4.7 — Date Received: 05/01/2009 1710

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	500	U	ug/Kg	50	500	1.0	9012B
	Anly Batch: 220-26923		Date Analyzed	05/06/2009 1641			DryWt Corrected: Y
	Prep Batch: 220-26879		Date Prepared:	05/05/2009 1600			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.73		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839		Date Analyzed	05/04/2009 1546			
Percent Solids	95.3		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839		Date Analyzed	05/04/2009 1546			

5/29/09
06/04/09

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

Client Sample ID: CC-9

Lab Sample ID: 220-9062-1
Client Matrix: Solid
% Moisture: 9.8

Date Sampled: 05/13/2009 0900
Date Received: 05/13/2009 1257

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/14/2009 2120
Date Prepared: 05/14/2009 1300

Analysis Batch: 220-27195
Prep Batch: 220-27175

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0559.D
Initial Weight/Volume: 4.33 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	110 J		2.9	26
Acrylonitrile	6.4	U J	1.8	6.4
Benzene	6.4	U	0.73	6.4
Bromobenzene	6.4	U	0.68	6.4
n-Butylbenzene	6.4	U	1.4	6.4
sec-Butylbenzene	6.4	U	0.68	6.4
tert-Butylbenzene	6.4	U	0.37	6.4
Bromodichloromethane	6.4	U	0.38	6.4
Bromoform	6.4	U	0.78	6.4
Bromomethane	6.4	U	2.7	6.4
Methyl Ethyl Ketone	13	U	2.0	13
Chlorobenzene	6.4	U	0.76	6.4
Carbon disulfide	6.4	U	0.53	6.4
Carbon tetrachloride	6.4	U	1.2	6.4
Chloroethane	6.4	U	1.3	6.4
Chloroform	6.4	U	0.44	6.4
Chloromethane	6.4	U	1.0	6.4
2-Chlorotoluene	6.4	U	0.82	6.4
4-Chlorotoluene	6.4	U	0.81	6.4
Dibromochloromethane	6.4	U	0.45	6.4
1,2-Dibromo-3-Chloropropane	13	U	5.8	13
1,2-Dibromoethane	6.4	U	0.97	6.4
Dibromomethane	6.4	U	0.82	6.4
1,2-Dichlorobenzene	6.4	U	0.31	6.4
1,3-Dichlorobenzene	6.4	U	0.27	6.4
1,4-Dichlorobenzene	6.4	U	0.86	6.4
trans-1,4-Dichloro-2-butene	13	U	1.4	13
Dichlorodifluoromethane	6.4	U	0.45	6.4
1,1-Dichloroethane	6.4	U	0.38	6.4
1,2-Dichloroethane	6.4	U	0.74	6.4
1,1-Dichloroethene	6.4	U	0.74	6.4
cis-1,2-Dichloroethene	6.4	U	0.47	6.4
trans-1,2-Dichloroethene	6.4	U	0.50	6.4
1,2-Dichloropropane	6.4	U	0.86	6.4
1,3-Dichloropropane	6.4	U	0.87	6.4
2,2-Dichloropropane	6.4	U	0.88	6.4
1,1-Dichloropropene	32	U	0.73	32
cis-1,3-Dichloropropene	6.4	U	0.72	6.4
trans-1,3-Dichloropropene	6.4	UJ	0.35	6.4
Ethylbenzene	~~1.9~~ 6.4UJ	~~J~~	0.90	6.4
Hexachlorobutadiene	6.4	U J	0.79	6.4
2-Hexanone	13	U	1.5	13
Isopropylbenzene	6.4	U	0.24	6.4
4-Isopropyltoluene	6.4	U J	0.68	6.4

UW 6/24/09 pm 6/25/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

Client Sample ID: **CC-9**

Lab Sample ID: 220-9062-1
Client Matrix: Solid
% Moisture: 9.8
Date Sampled: 05/13/2009 0900
Date Received: 05/13/2009 1257

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/14/2009 2120
Date Prepared: 05/14/2009 1300

Analysis Batch: 220-27195
Prep Batch: 220-27175

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0559.D
Initial Weight/Volume: 4.33 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	26	UJ	1.4	26
methyl isobutyl ketone	6.4	U	0.70	6.4
Methyl tert-butyl ether	6.4	U	0.27	6.4
Naphthalene	6.4	U	0.37	6.4
N-Propylbenzene	6.4	UJ	0.78	6.4
Styrene	~~16~~ 2.60		0.19	6.4
1,1,1,2-Tetrachloroethane	6.4	UJ	0.67	6.4
1,1,2,2-Tetrachloroethane	6.4	U	0.67	6.4
Toluene	6.4	U	0.095	6.4
Tetrachloroethene	6.4	U	1.0	6.4
Tetrahydrofuran	26	U	7.9	26
1,2,3-Trichlorobenzene	6.4	U	0.79	6.4
1,2,4-Trichlorobenzene	6.4	U	0.96	6.4
1,1,1-Trichloroethane	6.4	U	0.68	6.4
1,1,2-Trichloroethane	6.4	U	0.47	6.4
Trichloroethene	6.4	U	1.0	6.4
Trichlorofluoromethane	6.4	U	0.19	6.4
1,2,3-Trichloropropane	6.4	U	1.2	6.4
1,1,2-Trichloro-1,2,2-trifluoroethane	6.4	U	1.0	6.4
1,2,4-Trimethylbenzene	6.4	U	0.97	6.4
1,3,5-Trimethylbenzene	6.4	U	0.64	6.4
Vinyl chloride	6.4	UJ	0.29	6.4
m&p-Xylene	~~4.9~~ 6.4UJ	~~J~~	0.45	6.4
o-Xylene	~~1.4~~ 6.4UJ	~~J~~	0.24	6.4

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77	59 - 132
4-Bromofluorobenzene	99	34 - 124
Dibromofluoromethane	10	59 - 123
Toluene-d8 (Surr)	82	50 - 118

6/24/09

6/15/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

Client Sample ID: CC-9

Lab Sample ID: 220-9062-1
Client Matrix: Solid
% Moisture: 9.8

Date Sampled: 05/13/2009 0900
Date Received: 05/13/2009 1257

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 05/27/2009 2018
Date Prepared: 05/14/2009 0824

Analysis Batch: 220-27482
Prep Batch: 220-27479
Run Type: DL

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V4436.D
Initial Weight/Volume: 3.35 g
Final Weight/Volume: 5.326 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~390~~ 440 U	~~J+B~~	210	1100
Acrylonitrile	440	U	110	440
Benzene	440	U	58	440
Bromobenzene	440	U	53	440
n-Butylbenzene	440	U	77	440
sec-Butylbenzene	440	U	67	440
tert-Butylbenzene	440	U	62	440
Bromodichloromethane	440	U	61	440
Bromoform	440	U	71	440
Bromomethane	440	U	81	440
Methyl Ethyl Ketone	440	U	97	440
Chlorobenzene	440	U	55	440
Carbon disulfide	440	U	58	440
Carbon tetrachloride	440	UJ	68	440
Chloroethane	440	UJ	71	440
Chloroform	440	U	55	440
Chloromethane	440	U	56	440
2-Chlorotoluene	440	U	140	440
4-Chlorotoluene	440	U	62	440
Dibromochloromethane	440	U	69	440
1,2-Dibromo-3-Chloropropane	440	U	51	440
1,2-Dibromoethane	440	U	44	440
Dibromomethane	440	U	63	440
1,2-Dichlorobenzene	440	U	53	440
1,3-Dichlorobenzene	440	U	53	440
1,4-Dichlorobenzene	440	U	55	440
trans-1,4-Dichloro-2-butene	440	U	210	440
Dichlorodifluoromethane	440	UJ	69	440
1,1-Dichloroethane	440	U	63	440
1,2-Dichloroethane	440	U	52	440
1,1-Dichloroethene	440	U	66	440
cis-1,2-Dichloroethene	440	U	53	440
trans-1,2-Dichloroethene	440	U	47	440
1,2-Dichloropropane	440	U	46	440
1,3-Dichloropropane	440	U	58	440
2,2-Dichloropropane	440	UJ	48	440
1,1-Dichloropropene	440	U	62	440
cis-1,3-Dichloropropene	440	U	54	440
trans-1,3-Dichloropropene	440	U	55	440
Ethylbenzene	440	U	46	440
Hexachlorobutadiene	440	U	88	440
2-Hexanone	440	U	110	440
Isopropylbenzene	440	U	63	440
4-Isopropyltoluene	440	U	54	440

06/11/2009

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

Client Sample ID: CC-9

Lab Sample ID: 220-9062-1
Client Matrix: Solid
% Moisture: 9.8

Date Sampled: 05/13/2009 0900
Date Received: 05/13/2009 1257

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 05/27/2009 2018
Date Prepared: 05/14/2009 0824

Analysis Batch: 220-27482
Prep Batch: 220-27479
Run Type: DL

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V4436.D
Initial Weight/Volume: 3.35 g
Final Weight/Volume: 5.326 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~230~~ 440U	~~JB~~ ✓	71	440
methyl isobutyl ketone	440	U	72	440
Methyl tert-butyl ether	440	U	44	440
Naphthalene	440	U	68	440
N-Propylbenzene	440	U	57	440
Styrene	260	J ✓	71	440
1,1,1,2-Tetrachloroethane	440	U	76	440
1,1,2,2-Tetrachloroethane	~~440~~ R	~~U~~ ✓	58	440
Toluene	440	U	63	440
Tetrachloroethene	440	U	72	440
Tetrahydrofuran	440	U	150	440
1,2,3-Trichlorobenzene	440	U	66	440
1,2,4-Trichlorobenzene	440	U	78	440
1,1,1-Trichloroethane	440	U J ✓	55	440
1,1,2-Trichloroethane	440	U	60	440
Trichloroethene	440	U	57	440
Trichlorofluoromethane	440	UJ ✓	56	440
1,2,3-Trichloropropane	440	U	110	440
1,1,2-Trichloro-1,2,2-trifluoroethane	440	U	61	440
1,2,4-Trimethylbenzene	440	U	48	440
1,3,5-Trimethylbenzene	440	U	47	440
Vinyl chloride	440	U	59	440
m&p-Xylene	440	U	110	440
o-Xylene	440	U	72	440

Report styrene only

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116	64 - 126
4-Bromofluorobenzene	83	56 - 139
Dibromofluoromethane	96	65 - 123
Toluene-d8 (Surr)	79	70 - 128

6/24/09

6/15/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

Client Sample ID: CC-9

Lab Sample ID: 220-9062-1
Client Matrix: Solid
% Moisture: 9.8

Date Sampled: 05/13/2009 0900
Date Received: 05/13/2009 1257

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/15/2009 0004
Date Prepared: 05/14/2009 1300

Analysis Batch: 220-27195
Prep Batch: 220-27175
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 00564.D
Initial Weight/Volume: 3.69 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	240 J	~~J~~	3.4	30
Acrylonitrile	7.5	U J	2.1	7.5
Benzene	7.5	U	0.86	7.5
Bromobenzene	7.5	U	0.80	7.5
n-Butylbenzene	7.5	U	1.7	7.5
sec-Butylbenzene	7.5	U	0.80	7.5
tert-Butylbenzene	7.5	U	0.44	7.5
Bromodichloromethane	7.5	U	0.45	7.5
Bromoform	7.5	U	0.92	7.5
Bromomethane	7.5	U	3.1	7.5
Methyl Ethyl Ketone	15	U	2.4	15
Chlorobenzene	7.5	U	0.89	7.5
Carbon disulfide	7.5	U	0.62	7.5
Carbon tetrachloride	7.5	U	1.4	7.5
Chloroethane	7.5	U	1.5	7.5
Chloroform	7.5	U	0.51	7.5
Chloromethane	7.5	U	1.2	7.5
2-Chlorotoluene	7.5	U	0.96	7.5
4-Chlorotoluene	7.5	U	0.95	7.5
Dibromochloromethane	7.5	U	0.53	7.5
1,2-Dibromo-3-Chloropropane	15	U	6.8	15
1,2-Dibromoethane	7.5	U	1.1	7.5
Dibromomethane	7.5	U	0.96	7.5
1,2-Dichlorobenzene	7.5	U	0.36	7.5
1,3-Dichlorobenzene	7.5	U	0.32	7.5
1,4-Dichlorobenzene	7.5	U	1.0	7.5
trans-1,4-Dichloro-2-butene	15	U	1.7	15
Dichlorodifluoromethane	7.5	U	0.53	7.5
1,1-Dichloroethane	7.5	U	0.45	7.5
1,2-Dichloroethane	7.5	U	0.87	7.5
1,1-Dichloroethene	7.5	U	0.87	7.5
cis-1,2-Dichloroethene	7.5	U	0.56	7.5
trans-1,2-Dichloroethene	7.5	U	0.59	7.5
1,2-Dichloropropane	7.5	U	1.0	7.5
1,3-Dichloropropane	7.5	U	1.0	7.5
2,2-Dichloropropane	7.5	U	1.0	7.5
1,1-Dichloropropene	38	U	0.86	38
cis-1,3-Dichloropropene	7.5	U	0.84	7.5
trans-1,3-Dichloropropene	7.5	U J	0.41	7.5
Ethylbenzene	~~2.3~~ 7.5 UJ	~~J~~	1.1	7.5
Hexachlorobutadiene	7.5	U J	0.93	7.5
2-Hexanone	15	U	1.8	15
Isopropylbenzene	7.5	U	0.29	7.5
4-Isopropyltoluene	7.5	U J	0.80	7.5

do not report

6/11/09

6/15/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

Client Sample ID: **CC-9**

Lab Sample ID: 220-9062-1
Client Matrix: Solid
% Moisture: 9.8

Date Sampled: 05/13/2009 0900
Date Received: 05/13/2009 1257

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/15/2009 0004
Date Prepared: 05/14/2009 1300

Analysis Batch: 220-27195
Prep Batch: 220-27175
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0564.D
Initial Weight/Volume: 3.69 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	30	U J	1.6	30
methyl isobutyl ketone	7.5	U	0.83	7.5
Methyl tert-butyl ether	7.5	U	0.32	7.5
Naphthalene	7.5	U	0.44	7.5
N-Propylbenzene	7.5	U J	0.92	7.5
Styrene	160 J		0.23	7.5
1,1,1,2-Tetrachloroethane	7.5	U J	0.78	7.5
1,1,2,2-Tetrachloroethane	7.5	U	0.78	7.5
Toluene	7.5	U	0.11	7.5
Tetrachloroethene	7.5	U	1.2	7.5
Tetrahydrofuran	30	U	9.3	30
1,2,3-Trichlorobenzene	7.5	U	0.93	7.5
1,2,4-Trichlorobenzene	7.5	U	1.1	7.5
1,1,1-Trichloroethane	7.5	U	0.80	7.5
1,1,2-Trichloroethane	7.5	U	0.56	7.5
Trichloroethene	7.5	U	1.2	7.5
Trichlorofluoromethane	7.5	U	0.23	7.5
1,2,3-Trichloropropane	7.5	U	1.4	7.5
1,1,2-Trichloro-1,2,2-trifluoroethane	7.5	U	1.2	7.5
1,2,4-Trimethylbenzene	7.5	U	1.1	7.5
1,3,5-Trimethylbenzene	7.5	U	0.75	7.5
Vinyl chloride	7.5	U J	0.35	7.5
m&p-Xylene	~~4.5~~ 7.5 UJ	~~J~~	0.53	7.5
o-Xylene	~~0.87~~ 7.5 UJ	~~J~~	0.29	7.5

do not report

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80	59 - 132
4-Bromofluorobenzene	103	34 - 124
Dibromofluoromethane	12	59 - 123
Toluene-d8 (Surr)	83	50 - 118

6/24/09

6/15/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

Client Sample ID: CC-9

Lab Sample ID:	220-9062-1		Date Sampled:	05/13/2009 0900
Client Matrix:	Solid	% Moisture: 9.8	Date Received:	05/13/2009 1257

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-27339	Instrument ID:	Perkin Elmer ICP
Preparation:	3050B	Prep Batch: 220-27230	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	2.03 g
Date Analyzed:	05/21/2009 1359		Final Weight/Volume:	250 mL
Date Prepared:	05/18/2009 1051			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.5	UJ	1.4	4.5
Arsenic		~~2.5~~ 5.7U	J	1.8	5.7
Barium		68.4		0.068	1.4
Beryllium		~~0.32~~ 1.4U	J	0.068	1.4
Cadmium		1.4	UJ	0.27	1.4
Chromium		10.4 J		0.14	1.4
Copper		18.7 J		0.52	1.6
Lead		~~4.0~~ 4.1UJ	J	0.85	4.1
Cobalt		3.8 J		0.14	1.4
Nickel		6.5		0.27	1.4
Selenium		10.2	UJ	3.4	10.2
Silver		1.4	UJ	0.068	1.4
Thallium		~~1.0~~ 4.1U	J	0.96	4.1
Vanadium		19.5		0.27	1.4
Zinc		16.6 J		1.4	6.8
Tin		4.1	U	1.1	4.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-27420	Instrument ID:	Perkin Elmer FIMS
Preparation:	7471A	Prep Batch: 220-27392	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.60 g
Date Analyzed:	05/26/2009 1349		Final Weight/Volume:	50 mL
Date Prepared:	05/26/2009 1046			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.055	U	0.0044	0.055

Revised Tin added
hm 6/25/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9062-2
Sdg Number: 220-9062

Client Sample ID: CC-9

Lab Sample ID:	220-9062-1	Date Sampled:	05/13/2009 0900
Client Matrix:	Solid	Date Received:	05/13/2009 1257

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27939		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27882		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27890		Initial Weight/Volume:	100 mL
Date Analyzed:	06/10/2009 1750			Final Weight/Volume:	500 mL
Date Prepared:	06/10/2009 1115				
Date Leached:	06/09/2009 1515				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		~~0.45~~ 2.5U	~~J~~	0.28	2.5
Chromium		~~2.0~~ 5.0U	~~J~~	0.48	5.0
Cobalt		2.5	U	0.63	2.5
Lead		~~0.81~~ 2.5U	~~J~~	0.50	2.5
Vanadium		~~0.68~~ 2.5U	~~J~~	0.56	2.5

06/17/2009

VW 6/25/09 Sam 6/18/09

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

Client Sample ID: CC-9

Lab Sample ID:	220-9062-1			Date Sampled:	05/13/2009 0900
Client Matrix:	Solid	% Moisture:	9.8	Date Received:	05/13/2009 1257

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27463		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-27128		Lab File ID:	CX1021034.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	05/27/2009 1553			Final Weight/Volume:	1 mL
Date Prepared:	05/13/2009 1512			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	18000		13000	13000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	103	50 - 150

06/11/2009

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

Client Sample ID: CC-10

Lab Sample ID: 220-9062-2
Client Matrix: Solid
% Moisture: 5.1

Date Sampled: 05/13/2009 0945
Date Received: 05/13/2009 1257

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/15/2009 0029
Date Prepared: 05/14/2009 1300

Analysis Batch: 220-27195
Prep Batch: 220-27175

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0565.D
Initial Weight/Volume: 4.33 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	25 J	U	2.7	24
Acrylonitrile	6.1	UJ	1.7	6.1
Benzene	6.1	U	0.69	6.1
Bromobenzene	6.1	U	0.65	6.1
n-Butylbenzene	6.1	U	1.4	6.1
sec-Butylbenzene	6.1	U	0.65	6.1
tert-Butylbenzene	6.1	U	0.35	6.1
Bromodichloromethane	6.1	U	0.37	6.1
Bromoform	6.1	U	0.74	6.1
Bromomethane	6.1	U	2.5	6.1
Methyl Ethyl Ketone	12	U	1.9	12
Chlorobenzene	6.1	U	0.72	6.1
Carbon disulfide	6.1	U	0.50	6.1
Carbon tetrachloride	6.1	U	1.2	6.1
Chloroethane	6.1	U	1.2	6.1
Chloroform	6.1	U	0.41	6.1
Chloromethane	6.1	U	0.95	6.1
2-Chlorotoluene	6.1	U	0.78	6.1
4-Chlorotoluene	6.1	U	0.77	6.1
Dibromochloromethane	6.1	U	0.43	6.1
1,2-Dibromo-3-Chloropropane	12	U	5.5	12
1,2-Dibromoethane	6.1	U	0.93	6.1
Dibromomethane	6.1	U	0.78	6.1
1,2-Dichlorobenzene	6.1	U	0.29	6.1
1,3-Dichlorobenzene	6.1	U	0.26	6.1
1,4-Dichlorobenzene	6.1	U	0.82	6.1
trans-1,4-Dichloro-2-butene	12	U	1.4	12
Dichlorodifluoromethane	6.1	U	0.43	6.1
1,1-Dichloroethane	6.1	U	0.37	6.1
1,2-Dichloroethane	6.1	U	0.71	6.1
1,1-Dichloroethene	6.1	U	0.71	6.1
cis-1,2-Dichloroethene	6.1	U	0.45	6.1
trans-1,2-Dichloroethene	6.1	U	0.47	6.1
1,2-Dichloropropane	6.1	U	0.82	6.1
1,3-Dichloropropane	6.1	U	0.83	6.1
2,2-Dichloropropane	6.1	U	0.84	6.1
1,1-Dichloropropene	30	U	0.69	30
cis-1,3-Dichloropropene	6.1	U	0.68	6.1
trans-1,3-Dichloropropene	6.1	U	0.33	6.1
Ethylbenzene	6.1	U	0.85	6.1
Hexachlorobutadiene	6.1	U	0.75	6.1
2-Hexanone	12	U	1.5	12
Isopropylbenzene	6.1	U	0.23	6.1
4-Isopropyltoluene	6.1	UJ	0.65	6.1

06/11/2009

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

Client Sample ID: **CC-10**

Lab Sample ID: 220-9062-2
Client Matrix: *Solid*

% Moisture: 5.1

Date Sampled: 05/13/2009 0945
Date Received: 05/13/2009 1257

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/15/2009 0029
Date Prepared: 05/14/2009 1300

Analysis Batch: 220-27195
Prep Batch: 220-27175

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0565.D
Initial Weight/Volume: 4.33 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	24	U J	1.3	24
methyl isobutyl ketone	6.1	U	0.67	6.1
Methyl tert-butyl ether	6.1	U	0.26	6.1
Naphthalene	6.1	U	0.35	6.1
N-Propylbenzene	6.1	U J	0.74	6.1
Styrene	~~5.9~~ 6.1	~~+~~ U J	0.18	6.1
1,1,1,2-Tetrachloroethane	6.1	U J	0.63	6.1
1,1,2,2-Tetrachloroethane	6.1	U	0.63	6.1
Toluene	6.1	U	0.090	6.1
Tetrachloroethene	6.1	U	0.99	6.1
Tetrahydrofuran	24	U	7.5	24
1,2,3-Trichlorobenzene	6.1	U	0.75	6.1
1,2,4-Trichlorobenzene	6.1	U	0.91	6.1
1,1,1-Trichloroethane	6.1	U	0.65	6.1
1,1,2-Trichloroethane	6.1	U	0.45	6.1
Trichloroethene	6.1	U	0.99	6.1
Trichlorofluoromethane	6.1	U	0.18	6.1
1,2,3-Trichloropropane	6.1	U	1.1	6.1
1,1,2-Trichloro-1,2,2-trifluoroethane	6.1	U	0.96	6.1
1,2,4-Trimethylbenzene	6.1	U	0.93	6.1
1,3,5-Trimethylbenzene	6.1	U	0.61	6.1
Vinyl chloride	6.1	U	0.28	6.1
m&p-Xylene	6.1	U	0.43	6.1
o-Xylene	6.1	U J	0.23	6.1

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		59 - 132
4-Bromofluorobenzene	111		34 - 124
Dibromofluoromethane	15	*	59 - 123
Toluene-d8 (Surr)	88		50 - 118

VO 6/24/09

6/15/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

Client Sample ID: CC-10

Lab Sample ID: 220-9062-2
Client Matrix: Solid
% Moisture: 5.1
Date Sampled: 05/13/2009 0945
Date Received: 05/13/2009 1257

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/21/2009 1403
Date Prepared: 05/18/2009 1051

Analysis Batch: 220-27339
Prep Batch: 220-27230

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.01 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.3	UJ	1.3	4.3
Arsenic		~~3.7~~ 5.5U	~~J~~	1.8	5.5
Barium		49.8		0.066	1.3
Beryllium		~~0.42~~ 1.3U	~~J~~	0.066	1.3
Cadmium		1.3	UJ	0.26	1.3
Chromium		34.0 J		0.13	1.3
Copper		13.4 J		0.50	1.6
Lead		4.6 J		0.81	3.9
Cobalt		3.2 J		0.13	1.3
Nickel		15.2		0.26	1.3
Selenium		9.8	UJ	3.3	9.8
Silver		1.3	UJ	0.066	1.3
Thallium		~~1.3~~ 3.9U	~~J~~	0.92	3.9
Vanadium		15.4		0.26	1.3
Zinc		20.3 J		1.3	6.6
Tin		3.9	U	1.0	3.9

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/26/2009 1406
Date Prepared: 05/26/2009 1046

Analysis Batch: 220-27420
Prep Batch: 220-27392

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.051	U	0.0041	0.051

Revised Tin Added
JAm 6/25/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9062-2
Sdg Number: 220-9062

Client Sample ID: **CC-10**

Lab Sample ID: 220-9062-2
Client Matrix: *Solid*

Date Sampled: 05/13/2009 0945
Date Received: 05/13/2009 1257

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27938		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27882		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27890		Initial Weight/Volume:	100 mL
Date Analyzed:	06/10/2009 1813			Final Weight/Volume:	500 mL
Date Prepared:	06/10/2009 1115				
Date Leached:	06/09/2009 1515				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		~~0.51~~ 2.5U	~~J~~	0.28	2.5
Chromium		69.6		0.48	5.0
Cobalt		2.5	U	0.63	2.5
Lead		~~4.4~~ 2.5U	~~J~~	0.50	2.5
Vanadium		~~0.70~~ 2.5U	~~J~~	0.56	2.5

VW 6/25/09 Jam 6/18/09

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

Client Sample ID: *CC-10*

Lab Sample ID: *220-9062-2*
Client Matrix: Solid
% Moisture: 5.1

Date Sampled: 05/13/2009 0945
Date Received: 05/13/2009 1257

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27463	Instrument ID:	HP7890	
Preparation:	3541	Prep Batch: 220-27128	Lab File ID:	CX1021035.D	
Dilution:	1.0		Initial Weight/Volume:	15.09	g
Date Analyzed:	05/27/2009 1613		Final Weight/Volume:	1	mL
Date Prepared:	05/13/2009 1512		Injection Volume:	1	uL
			Column ID:	PRIMARY	

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	*13000*		*13000*	*13000*

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	91	50 - 150

6/24/09

6/15/09

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

General Chemistry

Client Sample ID: **CC-9**

Lab Sample ID: 220-9062-1 | Date Sampled: 05/13/2009 0900
Client Matrix: Solid | % Moisture: 9.8 | Date Received: 05/13/2009 1257

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	544	U	ug/Kg	54.4	544	1.0	9012B
	Anly Batch: 220-27305	Date Analyzed		05/20/2009 1513		DryWt Corrected: Y	
	Prep Batch: 220-27271	Date Prepared:		05/19/2009 1100			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.83		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-27165	Date Analyzed		05/14/2009 1530			
Percent Solids	90.2		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-27165	Date Analyzed		05/14/2009 1530			

Client Sample ID: **CC-10**

Lab Sample ID: 220-9062-2 | Date Sampled: 05/13/2009 0945
Client Matrix: Solid | % Moisture: 5.1 | Date Received: 05/13/2009 1257

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	527	U	ug/Kg	52.7	527	1.0	9012B
	Anly Batch: 220-27305	Date Analyzed		05/20/2009 1514		DryWt Corrected: Y	
	Prep Batch: 220-27271	Date Prepared:		05/19/2009 1100			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.14		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-27165	Date Analyzed		05/14/2009 1530			
Percent Solids	94.9		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-27165	Date Analyzed		05/14/2009 1530			

JW 6/25/09

JMM 6/15/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **EB-Auger**

Lab Sample ID: 220-8934-10
Client Matrix: Water

Date Sampled: 04/29/2009 1430
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 10000
Date Analyzed: 05/13/2009 1324
Date Prepared: 05/13/2009 1324

Analysis Batch: 220-27112

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V4147.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	120000 J		5300	20000
Acrylonitrile	10000	U	2100	10000
Benzene	5000	U	650	5000
Bromobenzene	5000	U J	800	5000
n-Butylbenzene	5000	U J	940	5000
sec-Butylbenzene	5000	U J	350	5000
tert-Butylbenzene	5000	U J	490	5000
Bromodichloromethane	5000	U	570	5000
Bromoform	5000	U	850	5000
Bromomethane	10000	U	3300	10000
Methyl Ethyl Ketone	44000		5500	20000
Chlorobenzene	5000	U	1400	5000
Carbon disulfide	8500		660	5000
Carbon tetrachloride	5000	U	570	5000
Chloroethane	10000	U	3100	10000
Chloroform	5000	U	590	5000
Chloromethane	5000	U	1000	5000
2-Chlorotoluene	5000	U J	510	5000
4-Chlorotoluene	5000	U J	1600	5000
Dibromochloromethane	5000	U	430	5000
1,2-Dibromo-3-Chloropropane	5000	U J	1100	5000
1,2-Dibromoethane	5000	U	680	5000
Dibromomethane	5000	U	850	5000
1,2-Dichlorobenzene	5000	U J	490	5000
1,3-Dichlorobenzene	5000	U J	1500	5000
1,4-Dichlorobenzene	5000	U J	940	5000
trans-1,4-Dichloro-2-butene	10000	U J	3400	10000
Dichlorodifluoromethane	5000	U	420	5000
1,1-Dichloroethane	5000	U	620	5000
1,2-Dichloroethane	5000	U	540	5000
1,1-Dichloroethene	5000	U	1400	5000
cis-1,2-Dichloroethene	5000	U	1100	5000
trans-1,2-Dichloroethene	5000	U	810	5000
1,2-Dichloropropane	5000	U	660	5000
1,3-Dichloropropane	5000	U	1500	5000
2,2-Dichloropropane	5000	U	850	5000
1,1-Dichloropropene	5000	U	700	5000
cis-1,3-Dichloropropene	5000	U	1700	5000
trans-1,3-Dichloropropene	5000	U	510	5000
Ethylbenzene	5000	U	400	5000
Hexachlorobutadiene	5000	U J	630	5000
2-Hexanone	20000	U	1600	20000
Isopropylbenzene	5000	U J	540	5000
4-Isopropyltoluene	5000	U J	360	5000

JAM 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **EB-Auger**

Lab Sample ID: 220-8934-10
Client Matrix: Water

Date Sampled: 04/29/2009 1430
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 10000
Date Analyzed: 05/13/2009 1324
Date Prepared: 05/13/2009 1324

Analysis Batch: 220-27112

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V4147.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methylene Chloride	~~14000~~ 200000	~~J~~	910	20000
methyl isobutyl ketone	20000	U	490	20000
Methyl tert-butyl ether	5000	U	490	5000
Naphthalene	5000	U J	500	5000
N-Propylbenzene	5000	U J	470	5000
Styrene	5000	U	1200	5000
1,1,1,2-Tetrachloroethane	5000	U	670	5000
1,1,2,2-Tetrachloroethane	5000	U J	730	5000
Toluene	5700		540	5000
Tetrachloroethene	5000	U	620	5000
Tetrahydrofuran	10000	U	3100	10000
1,2,3-Trichlorobenzene	5000	U J	540	5000
1,2,4-Trichlorobenzene	5000	U J	600	5000
1,1,1-Trichloroethane	5000	U	850	5000
1,1,2-Trichloroethane	5000	U	1600	5000
Trichloroethene	5000	U	1400	5000
Trichlorofluoromethane	5000	U	530	5000
1,2,3-Trichloropropane	5000	U J	720	5000
1,1,2-Trichloro-1,2,2-trifluoroethane	5000	U J	590	5000
1,2,4-Trimethylbenzene	5000	U J	500	5000
1,3,5-Trimethylbenzene	5000	U J	1100	5000
Vinyl chloride	5000	U	900	5000
m&p-Xylene	10000	U	1200	10000
o-Xylene	5000	U	800	5000

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	57 - 121
4-Bromofluorobenzene	111	57 - 121
Dibromofluoromethane	110	67 - 133
Toluene-d8 (Surr)	110	62 - 121

5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: EB-Auger

Lab Sample ID: 220-8934-10
Client Matrix: Water

Date Sampled: 04/29/2009 1430
Date Received: 04/29/2009 1707

6010B Metals (ICP)

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 05/11/2009 1805
Date Prepared: 05/05/2009 1210

Analysis Batch: 220-27049
Prep Batch: 220-26864

Instrument ID: TJA Trace ICAP
Lab File ID: W051109
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cobalt	5.0	U	0.5	5.0
Antimony	15	U	5.0	15
Arsenic	15	U	4.0	15
Barium	5.0	U	0.25	5.0
Beryllium	5.0	U	0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	5.0	U	1.5	5.0
Lead	15	U	2.5	15
Nickel	~~1.9~~ 5.0 U	~~J~~	1.0	5.0
Selenium	38	U	12	38
Silver	5.0	U	0.25	5.0
Thallium	15	U	3.5	15
Vanadium	5.0	U	1.0	5.0
Zinc	25	U	5.0	25
Tin	15	U	4.0	15

7470A Mercury (CVAA)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 05/07/2009 1526
Date Prepared: 05/06/2009 1718

Analysis Batch: 220-26957
Prep Batch: 220-26926

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	~~0.20~~ 0.40	U	0.060	~~0.20~~ 0.40

jm 6/17/09
WJ 6/25/09

jm 5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **EB-Auger**

Lab Sample ID: 220-8934-10
Client Matrix: Water

Date Sampled: 04/29/2009 1430
Date Received: 04/29/2009 1707

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 05/12/2009 0024
Date Prepared: 04/30/2009 0843

Analysis Batch: 220-27037
Prep Batch: 220-26708

Instrument ID: HP7890
Lab File ID: DX1021075.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
CT ETPH	190		31	100

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	54	50 - 150

jm 5/22/09

5/19/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **EB-Chip**

Lab Sample ID: 220-8934-8
Client Matrix: Water

Date Sampled: 04/29/2009 1415
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/30/2009 1628
Date Prepared: 04/30/2009 1628

Analysis Batch: 220-26746

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V3835.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methylene Chloride	2.0	U	0.091	2.0
methyl isobutyl ketone	2.0	U	0.049	2.0
Methyl tert-butyl ether	0.50	U	0.049	0.50
Naphthalene	0.50	U	0.050	0.50
N-Propylbenzene	0.50	U	0.047	0.50
Styrene	0.50	U	0.12	0.50
1,1,1,2-Tetrachloroethane	0.50	U	0.067	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.073	0.50
Toluene	~~0.44~~ 0.50U	~~J~~	0.054	0.50
Tetrachloroethene	0.50	U	0.062	0.50
Tetrahydrofuran	1.0	U	0.31	1.0
1,2,3-Trichlorobenzene	0.50	U	0.054	0.50
1,2,4-Trichlorobenzene	0.50	U	0.060	0.50
1,1,1-Trichloroethane	0.50	U	0.085	0.50
1,1,2-Trichloroethane	0.50	U	0.16	0.50
Trichloroethene	0.50	U	0.14	0.50
Trichlorofluoromethane	0.50	UJ	0.053	0.50
1,2,3-Trichloropropane	0.50	U	0.072	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UJ	0.059	0.50
1,2,4-Trimethylbenzene	0.50	U	0.050	0.50
1,3,5-Trimethylbenzene	0.50	U	0.11	0.50
Vinyl chloride	0.50	U	0.090	0.50
m&p-Xylene	1.0	U	0.12	1.0
o-Xylene	0.50	U	0.080	0.50

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	123	57 - 121
4-Bromofluorobenzene	79	57 - 121
Dibromofluoromethane	102	67 - 133
Toluene-d8 (Surr)	86	62 - 121

JAM 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: EB-Chip

Lab Sample ID: 220-8934-8
Client Matrix: Water

Date Sampled: 04/29/2009 1415
Date Received: 04/29/2009 1707

6010B Metals (ICP)

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 05/11/2009 1908
Date Prepared: 05/05/2009 1210

Analysis Batch: 220-27049
Prep Batch: 220-26864

Instrument ID: TJA Trace ICAP
Lab File ID: W051109
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cobalt	5.0	U	0.5	5.0
Antimony	15	U	5.0	15
Arsenic	15	U	4.0	15
Barium	5.0	U	0.25	5.0
Beryllium	5.0	U	0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	5.0	U	1.5	5.0
Lead	15	U	2.5	15
Nickel	5.0	U	1.0	5.0
Selenium	38	U	12	38
Silver	5.0	U	0.25	5.0
Thallium	15	U	3.5	15
Vanadium	5.0	U	1.0	5.0
Zinc	25	U	5.0	25
Tin	15	U	4.0	15

7470A Mercury (CVAA)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 05/07/2009 1525
Date Prepared: 05/06/2009 1717

Analysis Batch: 220-26957
Prep Batch: 220-26926

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	~~0.20~~ 0.40	U	0.060	~~0.20~~ 0.40

5/19/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **EB-Chip**

Lab Sample ID: 220-8934-8
Client Matrix: Water

Date Sampled: 04/29/2009 1415
Date Received: *04/29/2009 1707*

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 05/12/2009 0005
Date Prepared: 04/30/2009 0843

Analysis Batch: 220-27037
Prep Batch: 220-26708

Instrument ID: HP7890
Lab File ID: DX1021074.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
CT ETPH	100	U	31	100

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	101	50 - 150

Jm 5/24/09
5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **EB-Chip**

Lab Sample ID: 220-8934-8
Client Matrix: Water

Date Sampled: 04/29/2009 1415
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/30/2009 1628
Date Prepared: 04/30/2009 1628

Analysis Batch: 220-26746

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V3835.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	5.4 J.	f	0.53	2.0
Acrylonitrile	1.0	U	0.21	1.0
Benzene	0.50	U	0.065	0.50
Bromobenzene	0.50	U	0.080	0.50
n-Butylbenzene	0.50	U	0.094	0.50
sec-Butylbenzene	0.50	U	0.035	0.50
tert-Butylbenzene	0.50	U	0.049	0.50
Bromodichloromethane	0.50	U	0.057	0.50
Bromoform	0.50	U	0.085	0.50
Bromomethane	1.0	U	0.33	1.0
Methyl Ethyl Ketone	2.0	U f	0.55	2.0
Chlorobenzene	0.50	U	0.14	0.50
Carbon disulfide	0.50	U	0.086	0.50
Carbon tetrachloride	0.50	U J.	0.057	0.50
Chloroethane	1.0	U	0.31	1.0
Chloroform	0.50	U	0.059	0.50
Chloromethane	0.50	U	0.10	0.50
2-Chlorotoluene	0.50	U	0.051	0.50
4-Chlorotoluene	0.50	U	0.16	0.50
Dibromochloromethane	0.50	U	0.043	0.50
1,2-Dibromo-3-Chloropropane	0.50	U	0.11	0.50
1,2-Dibromoethane	0.50	U	0.068	0.50
Dibromomethane	0.50	U	0.085	0.50
1,2-Dichlorobenzene	0.50	U	0.049	0.50
1,3-Dichlorobenzene	0.50	U	0.15	0.50
1,4-Dichlorobenzene	0.50	U	0.094	0.50
trans-1,4-Dichloro-2-butene	1.0	U J.	0.34	1.0
Dichlorodifluoromethane	0.50	U	0.042	0.50
1,1-Dichloroethane	0.50	U	0.062	0.50
1,2-Dichloroethane	0.50	U J.	0.054	0.50
1,1-Dichloroethene	0.50	U f	0.14	0.50
cis-1,2-Dichloroethene	0.50	U	0.11	0.50
trans-1,2-Dichloroethene	0.50	U f	0.081	0.50
1,2-Dichloropropane	0.50	U	0.066	0.50
1,3-Dichloropropane	0.50	U	0.15	0.50
2,2-Dichloropropane	0.50	U	0.085	0.50
1,1-Dichloropropene	0.50	U	0.070	0.50
cis-1,3-Dichloropropene	0.50	U	0.17	0.50
trans-1,3-Dichloropropene	0.50	U	0.051	0.50
Ethylbenzene	0.50	U	0.040	0.50
Hexachlorobutadiene	0.50	U	0.063	0.50
2-Hexanone	2.0	U	0.16	2.0
Isopropylbenzene	0.50	U	0.054	0.50
4-Isopropyltoluene	0.50	U	0.036	0.50

JAM 5/22/09

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

Client Sample ID: **FB 42809**

Lab Sample ID: 220-8920-4
Client Matrix: Water

Date Sampled: 04/28/2009 1600
Date Received: 04/28/2009 1655

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/11/2009 1442
Date Prepared: 05/11/2009 1442

Analysis Batch: 220-27140

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W5464.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	6.6 J.	*	0.53	2.0
Acrylonitrile	1.0	U	0.21	1.0
Benzene	0.50	U	0.065	0.50
Bromobenzene	0.50	U	0.080	0.50
n-Butylbenzene	0.50	U	0.094	0.50
sec-Butylbenzene	0.50	U	0.035	0.50
tert-Butylbenzene	0.50	U	0.049	0.50
Bromodichloromethane	0.50	U	0.057	0.50
Bromoform	0.50	U	0.085	0.50
Bromomethane	1.0	U	0.33	1.0
Methyl Ethyl Ketone	2.0	U	0.55	2.0
Chlorobenzene	0.50	U	0.14	0.50
Carbon disulfide	0.50	U	0.066	0.50
Carbon tetrachloride	0.50	U	0.057	0.50
Chloroethane	1.0	U J.	0.31	1.0
Chloroform	0.50	U	0.059	0.50
Chloromethane	0.50	U J.	0.10	0.50
2-Chlorotoluene	0.50	U	0.051	0.50
4-Chlorotoluene	0.50	U	0.16	0.50
Dibromochloromethane	0.50	U	0.043	0.50
1,2-Dibromo-3-Chloropropane	0.50	U	0.11	0.50
1,2-Dibromoethane	0.50	U	0.068	0.50
Dibromomethane	0.50	U	0.085	0.50
1,2-Dichlorobenzene	0.50	U	0.049	0.50
1,3-Dichlorobenzene	0.50	U	0.15	0.50
1,4-Dichlorobenzene	0.50	U	0.094	0.50
trans-1,4-Dichloro-2-butene	1.0	U	0.34	1.0
Dichlorodifluoromethane	0.50	U f	0.042	0.50
1,1-Dichloroethane	0.50	U	0.062	0.50
1,2-Dichloroethane	0.50	U	0.054	0.50
1,1-Dichloroethene	0.50	U	0.14	0.50
cis-1,2-Dichloroethene	0.50	U	0.11	0.50
trans-1,2-Dichloroethene	0.50	U	0.081	0.50
1,2-Dichloropropane	0.50	U	0.066	0.50
1,3-Dichloropropane	0.50	U	0.15	0.50
2,2-Dichloropropane	0.50	U	0.085	0.50
1,1-Dichloropropene	0.50	U	0.070	0.50
cis-1,3-Dichloropropene	0.50	U	0.17	0.50
trans-1,3-Dichloropropene	0.50	U	0.051	0.50
Ethylbenzene	0.50	U	0.040	0.50
Hexachlorobutadiene	0.50	U	0.063	0.50
2-Hexanone	2.0	U	0.16	2.0
Isopropylbenzene	0.50	U	0.054	0.50
4-Isopropyltoluene	0.50	U	0.036	0.50

JAM 5/21/10

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

Client Sample ID: **FB 42809**

Lab Sample ID: 220-8920-4
Client Matrix: Water

Date Sampled: 04/28/2009 1600
Date Received: 04/28/2009 1655

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/11/2009 1442
Date Prepared: 05/11/2009 1442

Analysis Batch: 220-27140

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W5464.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methylene Chloride	8.9		0.091	2.0
methyl isobutyl ketone	2.0	U	0.049	2.0
Methyl tert-butyl ether	0.50	U	0.049	0.50
Naphthalene	0.50	U	0.050	0.50
N-Propylbenzene	0.50	U	0.047	0.50
Styrene	0.50	U	0.12	0.50
1,1,1,2-Tetrachloroethane	0.50	U	0.067	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.073	0.50
Toluene	0.50	U	0.054	0.50
Tetrachloroethene	0.50	U	0.062	0.50
Tetrahydrofuran	1.0	U	0.31	1.0
1,2,3-Trichlorobenzene	0.50	U	0.054	0.50
1,2,4-Trichlorobenzene	0.50	U	0.060	0.50
1,1,1-Trichloroethane	0.50	U	0.085	0.50
1,1,2-Trichloroethane	0.50	U	0.16	0.50
Trichloroethene	0.50	U	0.14	0.50
Trichlorofluoromethane	0.50	U	0.053	0.50
1,2,3-Trichloropropane	0.50	U	0.072	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U J.	0.059	0.50
1,2,4-Trimethylbenzene	0.50	U	0.050	0.50
1,3,5-Trimethylbenzene	0.50	U	0.11	0.50
Vinyl chloride	0.50	U	0.090	0.50
m&p-Xylene	1.0	U	0.12	1.0
o-Xylene	0.50	U	0.080	0.50

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	57 - 121
4-Bromofluorobenzene	91	57 - 121
Dibromofluoromethane	108	67 - 133
Toluene-d8 (Surr)	100	62 - 121

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

Client Sample ID: FB 42809

Lab Sample ID: 220-8920-4
Client Matrix: *Water*

Date Sampled: 04/28/2009 1600
Date Received: 04/28/2009 1655

6010B Metals (ICP)

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 05/06/2009 1424
Date Prepared: 05/04/2009 1357

Analysis Batch: 220-26931
Prep Batch: 220-26828

Instrument ID: TJA Trace ICAP
Lab File ID: W050609
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cobalt	5.0	U	0.5	5.0
Antimony	15	U	5.0	15
Arsenic	15	U	4.0	15
Barium	5.0	U	0.25	5.0
Beryllium	5.0	U	0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	5.0	U	1.5	5.0
Lead	15	UJ	2.5	15
Nickel	5.0	U	1.0	5.0
Selenium	38	U	12	38
Silver	5.0	U	0.25	5.0
Thallium	15	U	3.5	15
Vanadium	5.0	U	1.0	5.0
Zinc	25	U	5.0	25
Tin	15	U	4.0	15

7470A Mercury (CVAA)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 05/07/2009 1514
Date Prepared: 05/06/2009 1717

Analysis Batch: 220-26957
Prep Batch: 220-26926

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	~~0.20~~ 0.40	U	0.060	~~0.20~~ 0.40

JRM 5/28/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

Client Sample ID: **FB 42809**

Lab Sample ID: 220-8920-4
Client Matrix: Water

Date Sampled: 04/28/2009 1600
Date Received: 04/28/2009 1655

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 05/11/2009 2345
Date Prepared: 04/28/2009 2044

Analysis Batch: 220-27037
Prep Batch: 220-26675

Instrument ID: HP7890
Lab File ID: DX1021073.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
CT ETPH	100	U	31	100

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	103	50 - 150

JAM 5/21/09 5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **FB43009**

Lab Sample ID: 220-8960-4
Client Matrix: Water

Date Sampled: 04/30/2009 1500
Date Received: 04/30/2009 1717

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/05/2009 2002
Date Prepared: 05/05/2009 2002

Analysis Batch: 220-26873

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W5315.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	~~5.3~~ 100 ✓	~~J~~	1.0	10
Acrylonitrile	10	U	2.4	10
Benzene	5.0	U	0.74	5.0
Bromobenzene	5.0	U	0.67	5.0
n-Butylbenzene	5.0	U	0.67	5.0
sec-Butylbenzene	5.0	U	0.79	5.0
tert-Butylbenzene	5.0	U	0.75	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Chlorobenzene	5.0	U	0.72	5.0
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
2-Chlorotoluene	5.0	U	1.2	5.0
4-Chlorotoluene	5.0	U	0.80	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,2-Dibromo-3-Chloropropane	5.0	U	1.2	5.0
1,2-Dibromoethane	5.0	U	0.52	5.0
Dibromomethane	5.0	U	0.70	5.0
1,2-Dichlorobenzene	5.0	U	0.22	5.0
1,3-Dichlorobenzene	5.0	U	0.14	5.0
1,4-Dichlorobenzene	5.0	U	0.59	5.0
trans-1,4-Dichloro-2-butene	10	U	2.8	10
Dichlorodifluoromethane	5.0	U	1.0	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
1,3-Dichloropropane	5.0	U	0.69	5.0
2,2-Dichloropropane	5.0	U	0.79	5.0
1,1-Dichloropropene	5.0	U	0.82	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
Hexachlorobutadiene	5.0	UJ	1.0	5.0
2-Hexanone	10	U	1.1	10
Isopropylbenzene	5.0	U	0.85	5.0
4-Isopropyltoluene	5.0	U	0.81	5.0

Jam 5/24/10

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **FB43009**

Lab Sample ID: 220-8960-4
Client Matrix: Water

Date Sampled: 04/30/2009 1500
Date Received: 04/30/2009 1717

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/05/2009 2002
Date Prepared: 05/05/2009 2002

Analysis Batch: 220-26873

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W5315.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Methyl tert-butyl ether	5.0	U	0.17	5.0
Naphthalene	5.0	U	0.34	5.0
N-Propylbenzene	5.0	U	0.62	5.0
Styrene	5.0	U	0.64	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.93	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Tetrahydrofuran	10	U	1.4	10
1,2,3-Trichlorobenzene	5.0	U	0.88	5.0
1,2,4-Trichlorobenzene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Trichlorofluoromethane	5.0	U	1.1	5.0
1,2,3-Trichloropropane	5.0	U	1.5	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	0.97	5.0
1,2,4-Trimethylbenzene	5.0	U	0.64	5.0
1,3,5-Trimethylbenzene	5.0	U	0.53	5.0
Vinyl chloride	5.0	U	0.99	5.0
m&p-Xylene	5.0	U	1.7	5.0
o-Xylene	5.0	U	0.66	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82	65 - 136
4-Bromofluorobenzene	118	51 - 142
Dibromofluoromethane	94	68 - 132
Toluene-d8 (Surr)	101	63 - 127

JAm 5/24/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **FB43009**

Lab Sample ID: 220-8960-4
Client Matrix: Water

Date Sampled: 04/30/2009 1500
Date Received: 04/30/2009 1717

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 05/12/2009 0936
Date Prepared: 05/01/2009 0901

Analysis Batch: 220-27037
Prep Batch: 220-26761

Instrument ID: HP7890
Lab File ID: DX1021102.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
CT ETPH	100	U	31	100

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	92	50 - 150

Jam 5/24/09

6/11/09

Client: *GEI Consultants, Inc.*

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: FB43009

Lab Sample ID: 220-8960-4
Client Matrix: Water

Date Sampled: 04/30/2009 1500
Date Received: 04/30/2009 1717

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-26931		Instrument ID:	TJA Trace ICAP
Preparation:	3010A	Prep Batch: 220-26870		Lab File ID:	W050609
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	05/06/2009 1717			Final Weight/Volume:	50 mL
Date Prepared:	05/05/2009 1421				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Antimony	15	U	5.0	15
Arsenic	15	U	4.0	15
Barium	5.0	U	0.25	5.0
Beryllium	5.0	U	0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	5.0	U	1.5	5.0
Lead	15	UJ	2.5	15
Cobalt	5.0	U	0.50	5.0
Nickel	5.0	U	1.0	5.0
Selenium	38	U	12	38
Silver	5.0	U	0.25	5.0
Thallium	15	U	3.5	15
Vanadium	5.0	U	1.0	5.0
Zinc	25	U	5.0	25
Tin	15	U	4.0	15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-27024		Instrument ID:	Perkin Elmer FIMS
Preparation:	7470A	Prep Batch: 220-27019		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	05/11/2009 1350			Final Weight/Volume:	50 mL
Date Prepared:	05/11/2009 1233				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	~~0.20~~ 0.40	U	0.060	~~0.20~~ 0.40

5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **FB43009**

Lab Sample ID: 220-8960-4
Client Matrix: Water

Date Sampled: 04/30/2009 1500
Date Received: 04/30/2009 1717

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 05/04/2009 2033
Date Prepared: 05/01/2009 0902

Analysis Batch: 220-26890
Prep Batch: 220-26762

Instrument ID: HP 6890 dual ECD
Lab File ID: D9042892.D
Initial Weight/Volume: 960 mL
Final Weight/Volume: 10.0 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.52	U	0.052	0.52
PCB-1221	0.52	U	0.052	0.52
PCB-1232	0.52	U	0.052	0.52
PCB-1242	0.52	U	0.052	0.52
PCB-1248	0.52	U	0.052	0.52
PCB-1254	0.52	U	0.085	0.52
PCB-1260	0.52	U	0.085	0.52
PCB-1262	0.52	U	0.085	0.52
PCB-1268	0.52	U	0.085	0.52

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	55	29 - 135
Tetrachloro-m-xylene	83	22 - 145

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: ***FB43009***

Lab Sample ID: 220-8960-4
Client Matrix: Water

Date Sampled: 04/30/2009 1500
Date Received: 04/30/2009 1717

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 05/12/2009 0936
Date Prepared: 05/01/2009 0901

Analysis Batch: 220-27037
Prep Batch: 220-26761

Instrument ID: HP7890
Lab File ID: DX1021102.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
CT ETPH	100	U	31	100

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	92	50 - 150

JAM 5/24/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **Field Blank 050109**

Lab Sample ID: 220-8986-5FB
Client Matrix: Water

Date Sampled: 05/01/2009 1600
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/14/2009 1922
Date Prepared: 05/14/2009 1922

Analysis Batch: 220-27186

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V4191.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	8.0 J	B	0.53	2.0
Acrylonitrile	1.0	U J	0.21	1.0
Benzene	0.50	U	0.065	0.50
Bromobenzene	0.50	U	0.080	0.50
n-Butylbenzene	0.50	U	0.094	0.50
sec-Butylbenzene	0.50	U	0.035	0.50
tert-Butylbenzene	0.50	U	0.049	0.50
Bromodichloromethane	0.50	U	0.057	0.50
Bromoform	0.50	U	0.085	0.50
Bromomethane	1.0	U	0.33	1.0
Methyl Ethyl Ketone	2.0	U	0.55	2.0
Chlorobenzene	0.50	U	0.14	0.50
Carbon disulfide	0.50	U	0.066	0.50
Carbon tetrachloride	0.50	U	0.057	0.50
Chloroethane	1.0	U	0.31	1.0
Chloroform	0.50	U	0.059	0.50
Chloromethane	0.50	U	0.10	0.50
2-Chlorotoluene	0.50	U	0.051	0.50
4-Chlorotoluene	0.50	U	0.16	0.50
Dibromochloromethane	0.50	U	0.043	0.50
1,2-Dibromo-3-Chloropropane	0.50	U	0.11	0.50
1,2-Dibromoethane	0.50	U	0.068	0.50
Dibromomethane	0.50	U	0.085	0.50
1,2-Dichlorobenzene	0.50	U	0.049	0.50
1,3-Dichlorobenzene	0.50	U	0.15	0.50
1,4-Dichlorobenzene	0.50	U	0.094	0.50
trans-1,4-Dichloro-2-butene	1.0	U	0.34	1.0
Dichlorodifluoromethane	0.50	U J	0.042	0.50
1,1-Dichloroethane	0.50	U	0.062	0.50
1,2-Dichloroethane	0.50	U	0.054	0.50
1,1-Dichloroethene	0.50	U	0.14	0.50
cis-1,2-Dichloroethene	0.50	U	0.11	0.50
trans-1,2-Dichloroethene	0.50	U	0.081	0.50
1,2-Dichloropropane	0.50	U	0.066	0.50
1,3-Dichloropropane	0.50	U	0.15	0.50
2,2-Dichloropropane	0.50	U	0.085	0.50
1,1-Dichloropropene	0.50	U	0.070	0.50
cis-1,3-Dichloropropene	0.50	U	0.17	0.50
trans-1,3-Dichloropropene	0.50	U	0.051	0.50
Ethylbenzene	0.50	U	0.040	0.50
Hexachlorobutadiene	0.50	U	0.063	0.50
2-Hexanone	2.0	U	0.16	2.0
Isopropylbenzene	0.50	U	0.054	0.50
4-Isopropyltoluene	0.50	U	0.036	0.50

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **Field Blank 050109**

Lab Sample ID: 220-8986-5FB
Client Matrix: Water

Date Sampled: 05/01/2009 1600
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/14/2009 1922
Date Prepared: 05/14/2009 1922

Analysis Batch: 220-27186

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V4191.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methylene Chloride	2.0	U	0.091	2.0
methyl isobutyl ketone	2.0	U	0.049	2.0
Methyl tert-butyl ether	0.50	U	0.049	0.50
Naphthalene	0.50	U	0.050	0.50
N-Propylbenzene	0.50	U	0.047	0.50
Styrene	0.50	U	0.12	0.50
1,1,1,2-Tetrachloroethane	0.50	U	0.067	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.073	0.50
Toluene	0.53		0.054	0.50
Tetrachloroethene	0.50	U	0.062	0.50
Tetrahydrofuran	1.0	U	0.31	1.0
1,2,3-Trichlorobenzene	0.50	U	0.054	0.50
1,2,4-Trichlorobenzene	0.50	U	0.060	0.50
1,1,1-Trichloroethane	0.50	U	0.085	0.50
1,1,2-Trichloroethane	0.50	U	0.16	0.50
Trichloroethene	0.50	U	0.14	0.50
Trichlorofluoromethane	0.50	U	0.053	0.50
1,2,3-Trichloropropane	0.50	U	0.072	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UJ	0.059	0.50
1,2,4-Trimethylbenzene	0.50	U	0.050	0.50
1,3,5-Trimethylbenzene	0.50	U	0.11	0.50
Vinyl chloride	0.50	U	0.090	0.50
m&p-Xylene	1.0	U	0.12	1.0
o-Xylene	0.50	U	0.080	0.50

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111	57 - 121
4-Bromofluorobenzene	94	57 - 121
Dibromofluoromethane	120	67 - 133
Toluene-d8 (Surr)	107	62 - 121

JAM 5/23/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: FB050409

Lab Sample ID: 220-8994-5FB
Client Matrix: Water

Date Sampled: 05/04/2009 1515
Date Received: 05/04/2009 1610

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/05/2009 1938
Date Prepared: 05/05/2009 1938

Analysis Batch: 220-26873

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W5314.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	~~3.6~~ 10U	~~J~~	1.0	10
Acrylonitrile	10	U	2.4	10
Benzene	5.0	U	0.74	5.0
Bromobenzene	5.0	U	0.67	5.0
n-Butylbenzene	5.0	U	0.67	5.0
sec-Butylbenzene	5.0	U	0.79	5.0
tert-Butylbenzene	5.0	U	0.75	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	~~2.1~~ 10U	~~J~~	1.1	10
Chlorobenzene	5.0	U	0.72	5.0
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
2-Chlorotoluene	5.0	U	1.2	5.0
4-Chlorotoluene	5.0	U	0.80	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,2-Dibromo-3-Chloropropane	5.0	U	1.2	5.0
1,2-Dibromoethane	5.0	U	0.52	5.0
Dibromomethane	5.0	U	0.70	5.0
1,2-Dichlorobenzene	5.0	U	0.22	5.0
1,3-Dichlorobenzene	5.0	U	0.14	5.0
1,4-Dichlorobenzene	5.0	U	0.59	5.0
trans-1,4-Dichloro-2-butene	10	U	2.8	10
Dichlorodifluoromethane	5.0	U	1.0	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
1,3-Dichloropropane	5.0	U	0.69	5.0
2,2-Dichloropropane	5.0	U	0.79	5.0
1,1-Dichloropropene	5.0	U	0.82	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
Hexachlorobutadiene	5.0	U J.	1.0	5.0
2-Hexanone	10	U	1.1	10
Isopropylbenzene	5.0	U	0.85	5.0
4-Isopropyltoluene	5.0	U	0.81	5.0

5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: FB030409

Lab Sample ID: 220-8994-5FB
Client Matrix: Water

Date Sampled: 05/04/2009 1515
Date Received: 05/04/2009 1610

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/05/2009 1938
Date Prepared: 05/05/2009 1938

Analysis Batch: 220-26873

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W5314.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Methyl tert-butyl ether	5.0	U	0.17	5.0
Naphthalene	5.0	U	0.34	5.0
N-Propylbenzene	5.0	U	0.62	5.0
Styrene	5.0	U	0.64	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.93	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Tetrahydrofuran	10	U	1.4	10
1,2,3-Trichlorobenzene	5.0	U	0.88	5.0
1,2,4-Trichlorobenzene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Trichlorofluoromethane	5.0	U	1.1	5.0
1,2,3-Trichloropropane	5.0	U	1.5	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	0.97	5.0
1,2,4-Trimethylbenzene	5.0	U	0.64	5.0
1,3,5-Trimethylbenzene	5.0	U	0.53	5.0
Vinyl chloride	5.0	U	0.99	5.0
m&p-Xylene	5.0	U	1.7	5.0
o-Xylene	5.0	U	0.66	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82	65 - 136
4-Bromofluorobenzene	119	51 - 142
Dibromofluoromethane	91	68 - 132
Toluene-d8 (Surr)	101	63 - 127

JRM 5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

Client Sample ID: FB51309

Lab Sample ID: 220-9062-3FB
Client Matrix: Water

Date Sampled: 05/13/2009 1000
Date Received: 05/13/2009 1257

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/22/2009 1827
Date Prepared: 05/22/2009 1827

Analysis Batch: 220-27405

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W5767.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	~~3.8~~ 10U	~~J~~	1.0	10
Acrylonitrile	10	U	2.4	10
Benzene	5.0	U	0.74	5.0
Bromobenzene	5.0	U	0.67	5.0
n-Butylbenzene	5.0	U	0.67	5.0
sec-Butylbenzene	5.0	U	0.79	5.0
tert-Butylbenzene	5.0	U	0.75	5.0
Bromodichloromethane	5.0	U	0.46	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Chlorobenzene	5.0	U	0.72	5.0
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	~~2.7~~ 5.0U	~~J~~	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
2-Chlorotoluene	5.0	U	1.2	5.0
4-Chlorotoluene	5.0	U	0.80	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,2-Dibromo-3-Chloropropane	5.0	U	1.2	5.0
1,2-Dibromoethane	5.0	U	0.52	5.0
Dibromomethane	5.0	U	0.70	5.0
1,2-Dichlorobenzene	5.0	U	0.22	5.0
1,3-Dichlorobenzene	5.0	U	0.14	5.0
1,4-Dichlorobenzene	5.0	U	0.59	5.0
trans-1,4-Dichloro-2-butene	10	U	2.8	10
Dichlorodifluoromethane	5.0	U	1.0	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
1,3-Dichloropropane	5.0	U	0.69	5.0
2,2-Dichloropropane	5.0	U	0.79	5.0
1,1-Dichloropropene	5.0	U	0.82	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
Hexachlorobutadiene	5.0	U	1.0	5.0
2-Hexanone	10	U	1.1	10
Isopropylbenzene	5.0	U	0.85	5.0
4-Isopropyltoluene	5.0	U	0.81	5.0

WJ 6/24/09

Jam 6/15/09

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

Client Sample ID: **FB51309**

Lab Sample ID: 220-9062-3FB
Client Matrix: Water

Date Sampled: 05/13/2009 1000
Date Received: 05/13/2009 1257

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/22/2009 1827
Date Prepared: 05/22/2009 1827

Analysis Batch: 220-27405

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W5767.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methylene Chloride	~~2.4~~ 5.0	~~J~~ U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Methyl tert-butyl ether	5.0	U	0.17	5.0
Naphthalene	5.0	U	0.34	5.0
N-Propylbenzene	5.0	U	0.62	5.0
Styrene	5.0	U	0.64	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.93	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Tetrahydrofuran	10	U	1.4	10
1,2,3-Trichlorobenzene	5.0	U	0.88	5.0
1,2,4-Trichlorobenzene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Trichlorofluoromethane	5.0	U	1.1	5.0
1,2,3-Trichloropropane	5.0	U	1.5	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	0.97	5.0
1,2,4-Trimethylbenzene	5.0	U	0.64	5.0
1,3,5-Trimethylbenzene	5.0	U	0.53	5.0
Vinyl chloride	5.0	U	0.99	5.0
m&p-Xylene	5.0	U	1.7	5.0
o-Xylene	5.0	U	0.66	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	65 - 136
4-Bromofluorobenzene	85	51 - 142
Dibromofluoromethane	100	68 - 132
Toluene-d8 (Surr)	91	63 - 127

06/11/2009

6/24/09

6/15/09

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **TB43009**

Lab Sample ID: 220-8960-5TB
Client Matrix: Water

Date Sampled: 04/30/2009 0000
Date Received: 04/30/2009 1717

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/05/2009 2027
Date Prepared: 05/05/2009 2027

Analysis Batch: 220-26873

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W5316.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U F	1.0	10
Acrylonitrile	10	U	2.4	10
Benzene	5.0	U	0.74	5.0
Bromobenzene	5.0	U	0.67	5.0
n-Butylbenzene	5.0	U	0.67	5.0
sec-Butylbenzene	5.0	U	0.79	5.0
tert-Butylbenzene	5.0	U	0.75	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Chlorobenzene	5.0	U	0.72	5.0
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
2-Chlorotoluene	5.0	U	1.2	5.0
4-Chlorotoluene	5.0	U	0.80	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,2-Dibromo-3-Chloropropane	5.0	U	1.2	5.0
1,2-Dibromoethane	5.0	U	0.52	5.0
Dibromomethane	5.0	U	0.70	5.0
1,2-Dichlorobenzene	5.0	U	0.22	5.0
1,3-Dichlorobenzene	5.0	U	0.14	5.0
1,4-Dichlorobenzene	5.0	U	0.59	5.0
trans-1,4-Dichloro-2-butene	10	U F	2.8	10
Dichlorodifluoromethane	5.0	U	1.0	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
1,3-Dichloropropane	5.0	U	0.69	5.0
2,2-Dichloropropane	5.0	U	0.79	5.0
1,1-Dichloropropene	5.0	U F	0.82	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
Hexachlorobutadiene	5.0	U J	1.0	5.0
2-Hexanone	10	U	1.1	10
Isopropylbenzene	5.0	U	0.85	5.0
4-Isopropyltoluene	5.0	U	0.81	5.0

JAM 5/24/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **TB43009**

Lab Sample ID: 220-8960-5TB
Client Matrix: Water

Date Sampled: 04/30/2009 0000
Date Received: 04/30/2009 1717

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/05/2009 2027
Date Prepared: 05/05/2009 2027

Analysis Batch: 220-26873

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W5316.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Methyl tert-butyl ether	5.0	U	0.17	5.0
Naphthalene	5.0	U	0.34	5.0
N-Propylbenzene	5.0	U	0.62	5.0
Styrene	5.0	U	0.64	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.93	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Tetrahydrofuran	10	U	1.4	10
1,2,3-Trichlorobenzene	5.0	U	0.88	5.0
1,2,4-Trichlorobenzene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Trichlorofluoromethane	5.0	U	1.1	5.0
1,2,3-Trichloropropane	5.0	U	1.5	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U F	0.97	5.0
1,2,4-Trimethylbenzene	5.0	U	0.64	5.0
1,3,5-Trimethylbenzene	5.0	U	0.53	5.0
Vinyl chloride	5.0	U	0.99	5.0
m&p-Xylene	5.0	U	1.7	5.0
o-Xylene	5.0	U	0.66	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83	65 - 136
4-Bromofluorobenzene	117	51 - 142
Dibromofluoromethane	94	68 - 132
Toluene-d8 (Surr)	100	63 - 127

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **Trip Blank 050109**

Lab Sample ID: 220-8986-4TB
Client Matrix: Water

Date Sampled: 05/01/2009 1600
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/14/2009 1857
Date Prepared: 05/14/2009 1857

Analysis Batch: 220-27186

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V4190.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	~~0.91~~ 2.0U	~~J~~	0.53	2.0
Acrylonitrile	1.0	UJ	0.21	1.0
Benzene	0.50	U	0.065	0.50
Bromobenzene	0.50	U	0.080	0.50
n-Butylbenzene	0.50	U	0.094	0.50
sec-Butylbenzene	0.50	U	0.035	0.50
tert-Butylbenzene	0.50	U	0.049	0.50
Bromodichloromethane	0.50	U	0.057	0.50
Bromoform	0.50	U	0.085	0.50
Bromomethane	1.0	U	0.33	1.0
Methyl Ethyl Ketone	2.0	U	0.55	2.0
Chlorobenzene	0.50	U	0.14	0.50
Carbon disulfide	0.50	U	0.066	0.50
Carbon tetrachloride	0.50	U	0.057	0.50
Chloroethane	1.0	U	0.31	1.0
Chloroform	0.50	U	0.059	0.50
Chloromethane	0.50	U	0.10	0.50
2-Chlorotoluene	0.50	U	0.051	0.50
4-Chlorotoluene	0.50	U	0.16	0.50
Dibromochloromethane	0.50	U	0.043	0.50
1,2-Dibromo-3-Chloropropane	0.50	U	0.11	0.50
1,2-Dibromoethane	0.50	U	0.068	0.50
Dibromomethane	0.50	U	0.085	0.50
1,2-Dichlorobenzene	0.50	U	0.049	0.50
1,3-Dichlorobenzene	0.50	U	0.15	0.50
1,4-Dichlorobenzene	0.50	U	0.094	0.50
trans-1,4-Dichloro-2-butene	1.0	U	0.34	1.0
Dichlorodifluoromethane	0.50	UJ	0.042	0.50
1,1-Dichloroethane	0.50	U	0.062	0.50
1,2-Dichloroethane	0.50	U	0.054	0.50
1,1-Dichloroethene	0.50	U	0.14	0.50
cis-1,2-Dichloroethene	0.50	U	0.11	0.50
trans-1,2-Dichloroethene	0.50	U	0.081	0.50
1,2-Dichloropropane	0.50	U	0.066	0.50
1,3-Dichloropropane	0.50	U	0.15	0.50
2,2-Dichloropropane	0.50	U	0.085	0.50
1,1-Dichloropropene	0.50	U	0.070	0.50
cis-1,3-Dichloropropene	0.50	U	0.17	0.50
trans-1,3-Dichloropropene	0.50	U	0.051	0.50
Ethylbenzene	0.50	U	0.040	0.50
Hexachlorobutadiene	0.50	U	0.063	0.50
2-Hexanone	2.0	U	0.16	2.0
Isopropylbenzene	0.50	U	0.054	0.50
4-Isopropyltoluene	0.50	U	0.036	0.50

JVM 5/23/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **Trip Blank 050109**

Lab Sample ID: 220-8986-4TB
Client Matrix: Water

Date Sampled: 05/01/2009 1600
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/14/2009 1857
Date Prepared: 05/14/2009 1857

Analysis Batch: 220-27186

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V4190.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methylene Chloride	2.0	U	0.091	2.0
methyl isobutyl ketone	2.0	U	0.049	2.0
Methyl tert-butyl ether	0.50	U	0.049	0.50
Naphthalene	0.50	U	0.050	0.50
N-Propylbenzene	0.50	U	0.047	0.50
Styrene	0.50	U	0.12	0.50
1,1,1,2-Tetrachloroethane	0.50	U	0.067	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.073	0.50
Toluene	0.58		0.054	0.50
Tetrachloroethene	0.50	U	0.062	0.50
Tetrahydrofuran	1.0	U	0.31	1.0
1,2,3-Trichlorobenzene	0.50	U	0.054	0.50
1,2,4-Trichlorobenzene	0.50	U	0.060	0.50
1,1,1-Trichloroethane	0.50	U	0.085	0.50
1,1,2-Trichloroethane	0.50	U	0.16	0.50
Trichloroethene	0.50	U	0.14	0.50
Trichlorofluoromethane	0.50	U	0.053	0.50
1,2,3-Trichloropropane	0.50	U	0.072	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	UJ	0.059	0.50
1,2,4-Trimethylbenzene	0.50	U	0.050	0.50
1,3,5-Trimethylbenzene	0.50	U	0.11	0.50
Vinyl chloride	0.50	U	0.090	0.50
m&p-Xylene	1.0	U	0.12	1.0
o-Xylene	0.50	U	0.080	0.50

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	57 - 121
4-Bromofluorobenzene	95	57 - 121
Dibromofluoromethane	117	67 - 133
Toluene-d8 (Surr)	108	62 - 121

DAM 5/23/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: ***TB050409***

Lab Sample ID: 220-8994-4TB
Client Matrix: Water

Date Sampled: 05/04/2009 0000
Date Received: 05/04/2009 1610

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/05/2009 1912
Date Prepared: 05/05/2009 1912

Analysis Batch: 220-26873

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W5313.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U	1.0	10
Acrylonitrile	10	U	2.4	10
Benzene	5.0	U	0.74	5.0
Bromobenzene	5.0	U	0.67	5.0
n-Butylbenzene	5.0	U	0.67	5.0
sec-Butylbenzene	5.0	U	0.79	5.0
tert-Butylbenzene	5.0	U	0.75	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Chlorobenzene	5.0	U	0.72	5.0
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
2-Chlorotoluene	5.0	U	1.2	5.0
4-Chlorotoluene	5.0	U	0.80	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,2-Dibromo-3-Chloropropane	5.0	U	1.2	5.0
1,2-Dibromoethane	5.0	U	0.52	5.0
Dibromomethane	5.0	U	0.70	5.0
1,2-Dichlorobenzene	5.0	U	0.22	5.0
1,3-Dichlorobenzene	5.0	U	0.14	5.0
1,4-Dichlorobenzene	5.0	U	0.59	5.0
trans-1,4-Dichloro-2-butene	10	U	2.8	10
Dichlorodifluoromethane	5.0	U	1.0	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
1,3-Dichloropropane	5.0	U	0.69	5.0
2,2-Dichloropropane	5.0	U	0.79	5.0
1,1-Dichloropropene	5.0	U	0.82	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	~~0.88~~ 5.0U	~~J~~	0.87	5.0
Hexachlorobutadiene	5.0	UJ	1.0	5.0
2-Hexanone	10	U	1.1	10
Isopropylbenzene	5.0	U	0.85	5.0
4-Isopropyltoluene	5.0	U	0.81	5.0

5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: **TB050409**

Lab Sample ID: 220-8994-4TB
Client Matrix: Water

Date Sampled: 05/04/2009 0000
Date Received: 05/04/2009 1610

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/05/2009 1912
Date Prepared: 05/05/2009 1912

Analysis Batch: 220-26873

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W5313.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Methyl tert-butyl ether	5.0	U	0.17	5.0
Naphthalene	5.0	U	0.34	5.0
N-Propylbenzene	5.0	U	0.62	5.0
Styrene	5.0	U	0.64	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.93	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Tetrahydrofuran	10	U	1.4	10
1,2,3-Trichlorobenzene	5.0	U	0.88	5.0
1,2,4-Trichlorobenzene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Trichlorofluoromethane	5.0	U	1.1	5.0
1,2,3-Trichloropropane	5.0	U	1.5	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	0.97	5.0
1,2,4-Trimethylbenzene	~~1.2~~ 5.0U	~~J~~	0.64	5.0
1,3,5-Trimethylbenzene	5.0	U	0.53	5.0
Vinyl chloride	5.0	U	0.99	5.0
m&p-Xylene	~~2.2~~ 5.0U	~~J~~	1.7	5.0
o-Xylene	5.0	U	0.66	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	78	65 - 136
4-Bromofluorobenzene	117	51 - 142
Dibromofluoromethane	88	68 - 132
Toluene-d8 (Surr)	99	63 - 127

5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

Client Sample ID: **TB51309**

Lab Sample ID: 220-9062-4RB
Client Matrix: *Water*

Date Sampled: 05/13/2009 0000
Date Received: 05/13/2009 1257

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/22/2009 1851
Date Prepared: 05/22/2009 1851

Analysis Batch: 220-27405

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W5768.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U ✓	1.0	10
Acrylonitrile	10	U	2.4	10
Benzene	5.0	U	0.74	5.0
Bromobenzene	5.0	U	0.67	5.0
n-Butylbenzene	5.0	U	0.67	5.0
sec-Butylbenzene	5.0	U	0.79	5.0
tert-Butylbenzene	5.0	U	0.75	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U ✓	1.1	10
Chlorobenzene	5.0	U	0.72	5.0
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
2-Chlorotoluene	5.0	U	1.2	5.0
4-Chlorotoluene	5.0	U	0.80	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,2-Dibromo-3-Chloropropane	5.0	U	1.2	5.0
1,2-Dibromoethane	5.0	U	0.52	5.0
Dibromomethane	5.0	U	0.70	5.0
1,2-Dichlorobenzene	5.0	U	0.22	5.0
1,3-Dichlorobenzene	5.0	U	0.14	5.0
1,4-Dichlorobenzene	5.0	U	0.59	5.0
trans-1,4-Dichloro-2-butene	10	U ✓	2.8	10
Dichlorodifluoromethane	5.0	U	1.0	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
1,3-Dichloropropane	5.0	U	0.69	5.0
2,2-Dichloropropane	5.0	U	0.79	5.0
1,1-Dichloropropene	5.0	U	0.82	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
Hexachlorobutadiene	5.0	U	1.0	5.0
2-Hexanone	10	U	1.1	10
Isopropylbenzene	5.0	U	0.85	5.0
4-Isopropyltoluene	5.0	U	0.81	5.0

6/24/09 6/15/09

Client: GEI Consultants, Inc.

Job Number: 220-9062-1
Sdg Number: 220-9062

Client Sample ID: **TB51309**

Lab Sample ID: 220-9062-4RB
Client Matrix: Water

Date Sampled: 05/13/2009 0000
Date Received: 05/13/2009 1257

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/22/2009 1851
Date Prepared: 05/22/2009 1851

Analysis Batch: 220-27405

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W5768.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Methylene Chloride	~~2.8~~ 5.0U	~~J~~ ✓	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Methyl tert-butyl ether	5.0	U	0.17	5.0
Naphthalene	5.0	U	0.34	5.0
N-Propylbenzene	5.0	U	0.62	5.0
Styrene	5.0	U	0.64	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.93	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Tetrahydrofuran	10	U	1.4	10
1,2,3-Trichlorobenzene	5.0	U	0.88	5.0
1,2,4-Trichlorobenzene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Trichlorofluoromethane	5.0	U	1.1	5.0
1,2,3-Trichloropropane	5.0	U	1.5	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	0.97	5.0
1,2,4-Trimethylbenzene	5.0	U	0.64	5.0
1,3,5-Trimethylbenzene	5.0	U	0.53	5.0
Vinyl chloride	5.0	U	0.99	5.0
m&p-Xylene	5.0	U	1.7	5.0
o-Xylene	5.0	U	0.66	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81	65 - 136
4-Bromofluorobenzene	70	51 - 142
Dibromofluoromethane	82	68 - 132
Toluene-d8 (Surr)	76	63 - 127

WJ 6/24/09

Jm 6/15/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-26**

Lab Sample ID: 220-9374-21
Client Matrix: Water

Date Sampled: 06/18/2009 1301
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28639	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6491.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/30/2009 1736		Final Weight/Volume:	5 mL
Date Prepared:	06/30/2009 1736			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	9.7 J		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	1.1 J		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

7/21/09 7/10/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: MW-26

Lab Sample ID: 220-9374-21
Client Matrix: Water

Date Sampled: 06/18/2009 1301
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28639	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6491.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/30/2009 1736		Final Weight/Volume:	5 mL
Date Prepared:	06/30/2009 1736			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	0.72	J	0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	1.6	J	0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	123	X	57 - 121
4-Bromofluorobenzene	71		57 - 121
Dibromofluoromethane	115		67 - 133
Toluene-d8 (Surr)	95		62 - 121

7/21/09 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-26**

Lab Sample ID: 220-9374-21
Client Matrix: Water

Date Sampled: 06/18/2009 1301
Date Received: 06/18/2009 1645

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28652		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28450		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/30/2009 1420			Final Weight/Volume:	500 mL
Date Prepared:	06/24/2009 1256				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	41		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	120		5.0
Copper	170		5.0
Nickel	13		2.5
Lead	11		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	21		2.5
Zinc	77		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28677		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28617		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2009 1137			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1033				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

VW 7/21/09 DAM 7/17/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-26**

Lab Sample ID: 220-9374-21
Client Matrix: Water

Date Sampled: 06/18/2009 1301
Date Received: 06/18/2009 1645

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-28608		Instrument ID:	GC9
Preparation:	3510C	Prep Batch: 220-28231		Initial Weight/Volume:	960 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/29/2009 1729			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0901			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
PCB-1016	ND	R	0.52
PCB-1221	ND		0.52
PCB-1232	ND		0.52
PCB-1242	ND		0.52
PCB-1248	ND		0.52
PCB-1254	ND		0.52
PCB-1260	ND		0.52
PCB-1262	ND		0.52
PCB-1268	ND	R	0.52

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	4	X	29 - 135
Tetrachloro-m-xylene	44		22 - 145

7/21/09 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-26**

Lab Sample ID: 220-9374-21
Client Matrix: Water

Date Sampled: 06/18/2009 1301
Date Received: 06/18/2009 1645

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-28659		Instrument ID:	GC-X
Preparation:	3510C	Prep Batch: 220-28344		Lab File ID:	DX1024054.D
Dilution:	25			Initial Weight/Volume:	910 mL
Date Analyzed:	06/30/2009 1825			Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1442			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
CT ETPH	80000		2500

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	0	X	50 - 150

7/21/09 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: **MW-26**

Lab Sample ID: 220-9374-21
Client Matrix: Water

Date Sampled: 06/18/2009 1301
Date Received: 06/18/2009 1645

Analyte	*Result*	*Qual*	*Units*	*RL*	*Dil*	*Method*
Cyanide, Total	ND UJ		ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1116
Prep Batch: 220-28562 Date Prepared: 06/26/2009 1300

7/21/09 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-33**

Lab Sample ID: 220-9374-12
Client Matrix: Water

Date Sampled: 06/17/2009 1353
Date Received: 06/17/2009 1650

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6449.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1729		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1729			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	17 J		2.0
Acrylonitrile	ND		2.0
Benzene	6.0		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	0.97		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	1.0		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	3.4 J		2.0
Chlorobenzene	3.1		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	1.2		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	2.1		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	1.2		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	1.6		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-33**

Lab Sample ID: 220-9374-12
Client Matrix: Water

Date Sampled: 06/17/2009 1353
Date Received: 06/17/2009 1650

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6449.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1729		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1729			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	1.8		0.50
N-Propylbenzene	1.1		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	2.5		0.50
Tetrachloroethene	ND		0.50
Tetrahydrofuran	4.3		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.77		0.50
1,2,4-Trimethylbenzene	1.8		0.50
1,3,5-Trimethylbenzene	1.0		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	2.8		1.0
o-Xylene	1.9		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		57 - 121
4-Bromofluorobenzene	106		57 - 121
Dibromofluoromethane	108		67 - 133
Toluene-d8 (Surr)	115		62 - 121

7/6/09 7/6/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-33**

Lab Sample ID: 220-9374-12
Client Matrix: Water

Date Sampled: 06/17/2009 1353
Date Received: 06/17/2009 1650

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5710.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1732			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		4.0
Aniline	ND		4.0
Anthracene	ND		4.0
Benzo[g,h,i]perylene	ND		4.0
Bis(2-chloroethyl)ether	ND		4.0
Bis(2-chloroethoxy)methane	ND		4.0
2,2'-oxybis[1-chloropropane]	ND		4.0
4-Bromophenyl phenyl ether	ND		4.0
Benzyl alcohol	ND		4.0
Butyl benzyl phthalate	ND		4.0
Carbazole	ND		4.0
4-Chloroaniline	ND	UJ	4.0
4-Chloro-3-methylphenol	ND		5.0
2-Chloronaphthalene	ND		4.0
2-Chlorophenol	ND		4.0
4-Chlorophenyl phenyl ether	ND		4.0
Dibenzofuran	ND		4.0
3,3'-Dichlorobenzidine	ND		4.0
2,4-Dichlorophenol	ND		4.0
Diethyl phthalate	ND		4.0
2,4-Dimethylphenol	ND		4.0
Dimethyl phthalate	ND		4.0
Benzoic acid	~~ND~~	R	50
Di-n-butyl phthalate	ND		4.0
4,6-Dinitro-2-methylphenol	ND		25
2,4-Dinitrophenol	ND		25
2,4-Dinitrotoluene	ND		4.0
2,6-Dinitrotoluene	ND		4.0
Di-n-octyl phthalate	ND		4.0
Fluoranthene	ND		4.0
Fluorene	ND		4.0
Hexachlorobutadiene	ND		4.0
Hexachlorocyclopentadiene	ND		4.0
Isophorone	ND		4.0
2-Methylnaphthalene	ND		4.0
2-Methylphenol	ND		4.0
4-Methylphenol	ND		4.0
Naphthalene	ND		4.0
2-Nitroaniline	ND		4.0
3-Nitroaniline	ND		4.0
4-Nitroaniline	ND		4.0
Nitrobenzene	ND		4.0
2-Nitrophenol	ND		4.0
4-Nitrophenol	ND		10
N-Nitrosodiphenylamine	ND		4.0
N-Nitrosodi-n-propylamine	ND		4.0

7/14/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-33**

Lab Sample ID: 220-9374-12
Client Matrix: Water

Date Sampled: 06/17/2009 1353
Date Received: 06/17/2009 1650

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5710.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1732			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Pentachloronitrobenzene	ND		10
Phenol	ND		4.0
Pyrene	ND		4.0
Pyridine	ND		20
1,2,4,5-Tetrachlorobenzene	ND		10
1,2,4-Trichlorobenzene	ND		4.0
2,4,5-Trichlorophenol	ND		10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	95		36 - 120
2-Fluorobiphenyl	79		39 - 120
2-Fluorophenol	48		13 - 120
Nitrobenzene-d5	88		40 - 120
Phenol-d5	33		10 - 120
Terphenyl-d14	71		10 - 120

7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-33**

Lab Sample ID: 220-9374-12
Client Matrix: Water

Date Sampled: 06/17/2009 1353
Date Received: 06/17/2009 1650

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 220-28586		Instrument ID:	MSZ
Preparation:	3510C	Prep Batch: 220-28181		Lab File ID:	Z11522.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/26/2009 1543	Run Type: RA		Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 1002			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	ND		0.10
Benzo[a]anthracene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Bis(2-ethylhexyl) phthalate	ND		0.50
Benzo[a]pyrene	ND		0.10
Hexachloroethane	ND		0.10
Hexachlorobenzene	ND		0.10
Pentachlorophenol	ND		1.0
Phenanthrene	0.32		0.20
Chrysene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
Fluorene-d10 (Surr)	17	X	53 - 120
Pyrene-d10	97		55 - 131
2,4-dichlorophenol-d3	99		38 - 120

7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-33**

Lab Sample ID: 220-9374-12
Client Matrix: Water

Date Sampled: 06/17/2009 1353
Date Received: 06/17/2009 1650

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28546		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5833.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/25/2009 2206	Run Type: RA		Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		4.0
Aniline	ND		4.0
Anthracene	ND		4.0
Benzo[g,h,i]perylene	ND		4.0
Bis(2-chloroethyl)ether	ND		4.0
Bis(2-chloroethoxy)methane	ND		4.0
2,2'-oxybis[1-chloropropane]	ND		4.0
4-Bromophenyl phenyl ether	ND		4.0
Benzyl alcohol	ND		4.0
Butyl benzyl phthalate	ND		4.0
Carbazole	ND		4.0
4-Chloroaniline	ND		4.0
4-Chloro-3-methylphenol	ND		5.0
2-Chloronaphthalene	ND		4.0
2-Chlorophenol	ND		4.0
4-Chlorophenyl phenyl ether	ND		4.0
Dibenzofuran	ND		4.0
3,3'-Dichlorobenzidine	ND		4.0
2,4-Dichlorophenol	ND		4.0
Diethyl phthalate	ND		4.0
2,4-Dimethylphenol	ND		4.0
Dimethyl phthalate	ND		4.0
Benzoic acid	~~ND~~ R		50
Di-n-butyl phthalate	ND		4.0
4,6-Dinitro-2-methylphenol	ND		25
2,4-Dinitrophenol	ND		25
2,4-Dinitrotoluene	ND		4.0
2,6-Dinitrotoluene	ND		4.0
Di-n-octyl phthalate	ND		4.0
Fluoranthene	ND		4.0
Fluorene	ND		4.0
Hexachlorobutadiene	ND		4.0
Hexachlorocyclopentadiene	ND		4.0
Isophorone	ND		4.0
2-Methylnaphthalene	ND		4.0
2-Methylphenol	ND		4.0
4-Methylphenol	ND		4.0
Naphthalene	ND		4.0
2-Nitroaniline	ND		4.0
3-Nitroaniline	ND		4.0
4-Nitroaniline	ND		4.0
Nitrobenzene	ND		4.0
2-Nitrophenol	ND		4.0
4-Nitrophenol	ND		10
N-Nitrosodiphenylamine	ND		4.0
N-Nitrosodi-n-propylamine	ND		4.0

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-33**

Lab Sample ID: 220-9374-12
Client Matrix: Water

Date Sampled: 06/17/2009 1353
Date Received: 06/17/2009 1650

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28546		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5833.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/25/2009 2206	Run Type: RA		Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Pentachloronitrobenzene	ND		10
Phenol	ND		4.0
Pyrene	ND		4.0
Pyridine	ND		20
1,2,4,5-Tetrachlorobenzene	ND		10
1,2,4-Trichlorobenzene	ND		4.0
2,4,5-Trichlorophenol	ND		10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	95		36 - 120
2-Fluorobiphenyl	82		39 - 120
2-Fluorophenol	53		13 - 120
Nitrobenzene-d5	98		40 - 120
Phenol-d5	36		10 - 120
Terphenyl-d14	76		10 - 120

7/2/09 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-33**

Lab Sample ID: 220-9374-12
Client Matrix: Water

Date Sampled: 06/17/2009 1353
Date Received: 06/17/2009 1650

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 220-28389		Instrument ID:	MSZ
Preparation:	3510C	Prep Batch: 220-28181		Lab File ID:	Z11389.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1720			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 1002			Injection Volume:	1 uL

do not report

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	ND R		0.10
Benzo[a]anthracene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Bis(2-ethylhexyl) phthalate	ND		0.50
Benzo[a]pyrene	ND		0.10
Hexachloroethane	ND		0.10
Hexachlorobenzene	ND		0.10
Pentachlorophenol	ND		1.0
Phenanthrene	ND		0.20
Chrysene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND R		0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
Fluorene-d10 (Surr)	1	X	53 - 120
Pyrene-d10	77		55 - 131
2,4-dichlorophenol-d3	105		38 - 120

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-33**

Lab Sample ID: 220-9374-12
Client Matrix: Water

Date Sampled: 06/17/2009 1353
Date Received: 06/17/2009 1650

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28311		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28197		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/19/2009 1641			Final Weight/Volume:	500 mL
Date Prepared:	06/18/2009 1337				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	2.6		2.5
Barium	150		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	ND		5.0
Copper	ND		5.0
Nickel	18		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	ND		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28677		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28617		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2009 1127			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1033				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

VJ 7/21/09 JM 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-33**

Lab Sample ID: 220-9374-12
Client Matrix: Water

Date Sampled: 06/17/2009 1353
Date Received: 06/17/2009 1650

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-28659		Instrument ID:	GC-X
Preparation:	3510C	Prep Batch: 220-28344		Lab File ID:	DX1024041.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/30/2009 1402			Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1442			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
CT ETPH	3500		100

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	91		50 - 150

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: **MW-33**

Lab Sample ID: 220-9374-12
Client Matrix: *Water*

Date Sampled: 06/17/2009 1353
Date Received: 06/17/2009 1650

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND	UJ	ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1106
Prep Batch: 220-28561 Date Prepared: 06/26/2009 0950

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-36**

Lab Sample ID: 220-9374-14
Client Matrix: *Water*

Date Sampled: 06/17/2009 1345
Date Received: 06/17/2009 1650

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6451.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1821		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1821			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-36**

Lab Sample ID: 220-9374-14
Client Matrix: Water

Date Sampled: 06/17/2009 1345
Date Received: 06/17/2009 1650

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6451.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1821		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1821			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	5.1		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	1.3		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	1.3		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		57 - 121
4-Bromofluorobenzene	98		57 - 121
Dibromofluoromethane	106		67 - 133
Toluene-d8 (Surr)	111		62 - 121

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-36**

Lab Sample ID: 220-9374-14
Client Matrix: Water

Date Sampled: 06/17/2009 1345
Date Received: 06/17/2009 1650

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5712.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Date Analyzed:	06/19/2009 1825			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		4.2
Aniline	ND		4.2
Anthracene	ND		4.2
Benzo[g,h,i]perylene	ND		4.2
Bis(2-chloroethyl)ether	ND		4.2
Bis(2-chloroethoxy)methane	ND		4.2
2,2'-oxybis[1-chloropropane]	ND		4.2
4-Bromophenyl phenyl ether	ND		4.2
Benzyl alcohol	ND		4.2
Butyl benzyl phthalate	ND		4.2
Carbazole	ND		4.2
4-Chloroaniline	ND	UJ	4.2
4-Chloro-3-methylphenol	ND		5.2
2-Chloronaphthalene	ND		4.2
2-Chlorophenol	ND		4.2
4-Chlorophenyl phenyl ether	ND		4.2
Dibenzofuran	ND		4.2
3,3'-Dichlorobenzidine	ND		4.2
2,4-Dichlorophenol	ND		4.2
Diethyl phthalate	ND		4.2
2,4-Dimethylphenol	ND		4.2
Dimethyl phthalate	ND		4.2
Benzoic acid	~~ND~~	R	52
Di-n-butyl phthalate	ND		4.2
4,6-Dinitro-2-methylphenol	ND		26
2,4-Dinitrophenol	ND		26
2,4-Dinitrotoluene	ND		4.2
2,6-Dinitrotoluene	ND		4.2
Di-n-octyl phthalate	ND		4.2
Fluoranthene	ND		4.2
Fluorene	ND		4.2
Hexachlorobutadiene	ND		4.2
Hexachlorocyclopentadiene	ND		4.2
Isophorone	ND		4.2
2-Methylnaphthalene	ND		4.2
2-Methylphenol	ND		4.2
4-Methylphenol	ND		4.2
Naphthalene	ND		4.2
2-Nitroaniline	ND		4.2
3-Nitroaniline	ND		4.2
4-Nitroaniline	ND		4.2
Nitrobenzene	ND		4.2
2-Nitrophenol	ND		4.2
4-Nitrophenol	ND		10
N-Nitrosodiphenylamine	ND		4.2
N-Nitrosodi-n-propylamine	ND		4.2

7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-36**

Lab Sample ID: 220-9374-14
Client Matrix: Water

Date Sampled: 06/17/2009 1345
Date Received: 06/17/2009 1650

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5712.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Date Analyzed:	06/19/2009 1825			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Pentachloronitrobenzene	ND		10
Phenol	ND		4.2
Pyrene	ND		4.2
Pyridine	ND		21
1,2,4,5-Tetrachlorobenzene	ND		10
1,2,4-Trichlorobenzene	ND		4.2
2,4,5-Trichlorophenol	ND		10

Surrogate	*%Rec*	*Qualifier*	*Acceptance Limits*
2,4,6-Tribromophenol	103		36 - 120
2-Fluorobiphenyl	82		39 - 120
2-Fluorophenol	47		13 - 120
Nitrobenzene-d5	84		40 - 120
Phenol-d5	32		10 - 120
Terphenyl-d14	92		10 - 120

7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-36**

Lab Sample ID: 220-9374-14
Client Matrix: Water

Date Sampled: 06/17/2009 1345
Date Received: 06/17/2009 1650

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 220-28389		Instrument ID:	MSZ
Preparation:	3510C	Prep Batch: 220-28181		Lab File ID:	Z11391.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Date Analyzed:	06/19/2009 1813			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 1002			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	ND		0.10
Benzo[a]anthracene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Bis(2-ethylhexyl) phthalate	ND		0.52
Benzo[a]pyrene	ND		0.10
Hexachloroethane	ND		0.10
Hexachlorobenzene	ND		0.10
Pentachlorophenol	ND		1.0
Phenanthrene	ND		0.21
Chrysene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
Fluorene-d10 (Surr)	98		53 - 120
Pyrene-d10	112		55 - 131
2,4-dichlorophenol-d3	94		38 - 120

WJ 7/21/09 JAM 7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-36**

Lab Sample ID: 220-9374-14
Client Matrix: Water

Date Sampled: 06/17/2009 1345
Date Received: 06/17/2009 1650

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28480		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28248		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/24/2009 1546			Final Weight/Volume:	500 mL
Date Prepared:	06/19/2009 1042				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	15		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	ND		5.0
Copper	370		5.0
Nickel	21		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	56		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28677		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28617		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2009 1131			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1033				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

7/21/09 7/17/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-36**

Lab Sample ID: 220-9374-14
Client Matrix: Water

Date Sampled: 06/17/2009 1345
Date Received: 06/17/2009 1650

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-28659		Instrument ID:	GC-X
Preparation:	3510C	Prep Batch: 220-28344		Lab File ID:	DX1024043.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Date Analyzed:	06/30/2009 1442			Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1442			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
CT ETPH	ND		94

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	59		50 - 150

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: **MW-36**

Lab Sample ID: 220-9374-14
Client Matrix: Water

Date Sampled: 06/17/2009 1345
Date Received: 06/17/2009 1650

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND	U J	ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1108
Prep Batch: 220-28561 Date Prepared: 06/26/2009 0950

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-44**

Lab Sample ID: 220-9374-17
Client Matrix: Water

Date Sampled: 06/18/2009 1002
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28726	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6564.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/02/2009 1257		Final Weight/Volume:	5 mL
Date Prepared:	07/02/2009 1257			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND UJ	t	1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND	t	1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND UJ		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND UJ		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND UJ		2.0

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-44**

Lab Sample ID: 220-9374-17
Client Matrix: Water

Date Sampled: 06/18/2009 1002
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28726	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6564.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/02/2009 1257		Final Weight/Volume:	5 mL
Date Prepared:	07/02/2009 1257			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND UJ ✓		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	1.3 J ✓		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND UJ ✓		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND UJ ✓		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND UJ ✓		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	130	X	57 - 121
4-Bromofluorobenzene	88		57 - 121
Dibromofluoromethane	118		67 - 133
Toluene-d8 (Surr)	107		62 - 121

UJ 7/21/09 /m 7/10/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-44**

Lab Sample ID: 220-9374-17
Client Matrix: Water

Date Sampled: 06/18/2009 1002
Date Received: 06/18/2009 1645

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28480		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28248		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/24/2009 1556			Final Weight/Volume:	500 mL
Date Prepared:	06/19/2009 1042				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	92		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	64		5.0
Copper	4000		5.0
Nickel	54		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	110		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28677		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28617		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2009 1133			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1033				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-44**

Lab Sample ID: 220-9374-17
Client Matrix: Water

Date Sampled: 06/18/2009 1002
Date Received: 06/18/2009 1645

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-28659	Instrument ID:	GC-X
Preparation:	3510C	Prep Batch: 220-28344	Lab File ID:	DX1024046.D
Dilution:	1.0		Initial Weight/Volume:	1000 mL
Date Analyzed:	06/30/2009 1543		Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1442		Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
CT ETPH	ND		100

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	91		50 - 150

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: **MW-44**

Lab Sample ID: 220-9374-17
Client Matrix: Water

Date Sampled: 06/18/2009 1002
Date Received: 06/18/2009 1645

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND UJ		ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1110
Prep Batch: 220-28561 Date Prepared: 06/26/2009 0950

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-47**

Lab Sample ID: 220-9374-20
Client Matrix: Water

Date Sampled: 06/18/2009 1215
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	*8260B*	*Analysis Batch: 220-28595*	*Instrument ID:*	MSW
Preparation:	5030B		Lab File ID:	W6460.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 2209		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 2209			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	2.5 UJ		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	0.54 J		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-47**

Lab Sample ID: 220-9374-20
Client Matrix: Water

Date Sampled: 06/18/2009 1215
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6460.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 2209		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 2209			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	2.4		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		57 - 121
4-Bromofluorobenzene	98		57 - 121
Dibromofluoromethane	106		67 - 133
Toluene-d8 (Surr)	110		62 - 121

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-47**

Lab Sample ID: 220-9374-20
Client Matrix: Water

Date Sampled: 06/18/2009 1215
Date Received: 06/18/2009 1645

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28480		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28248		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/24/2009 1607			Final Weight/Volume:	500 mL
Date Prepared:	06/19/2009 1042				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	56		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	220		5.0
Copper	18		5.0
Nickel	8.8		2.5
Lead	4.5		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	15		2.5
Zinc	30		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28677		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28617		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2009 1136			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1033				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

YW 7/21/09 JRM 7/17/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-47**

Lab Sample ID: 220-9374-20
Client Matrix: Water

Date Sampled: 06/18/2009 1215
Date Received: 06/18/2009 1645

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-28659	Instrument ID:	GC-X
Preparation:	3510C	Prep Batch: 220-28344	Lab File ID:	DX1024049.D
Dilution:	1.0		Initial Weight/Volume:	500 mL
Date Analyzed:	06/30/2009 1644		Final Weight/Volume:	.5 mL
Date Prepared:	06/22/2009 1442		Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
CT ETPH	110	J	100

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	46	X	50 - 150

SW 7/21/09 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: **MW-47**

Lab Sample ID: 220-9374-20
Client Matrix: Water

Date Sampled: 06/18/2009 1215
Date Received: 06/18/2009 1645

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND	UJ	ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1115
Prep Batch: 220-28562 Date Prepared: 06/26/2009 1300

JW 7/21/09 JM 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-48**

Lab Sample ID: 220-9374-13
Client Matrix: Water

Date Sampled: 06/17/2009 1600
Date Received: 06/17/2009 1650

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6450.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1755		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1755			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	3.5	J	1.0
1,1-Dichloroethane	1.1		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-48**

Lab Sample ID: 220-9374-13
Client Matrix: Water

Date Sampled: 06/17/2009 1600
Date Received: 06/17/2009 1650

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6450.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1755		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1755			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	4.4		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	0.91		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		57 - 121
4-Bromofluorobenzene	100		57 - 121
Dibromofluoromethane	107		67 - 133
Toluene-d8 (Surr)	114		62 - 121

7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-48**

Lab Sample ID: 220-9374-13
Client Matrix: Water

Date Sampled: 06/17/2009 1600
Date Received: 06/17/2009 1650

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5711.D
Dilution:	1.0			Initial Weight/Volume:	900 mL
Date Analyzed:	06/19/2009 1758			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		4.4
Aniline	ND		4.4
Anthracene	ND		4.4
Benzo[g,h,i]perylene	ND		4.4
Bis(2-chloroethyl)ether	ND		4.4
Bis(2-chloroethoxy)methane	ND		4.4
2,2'-oxybis[1-chloropropane]	ND		4.4
4-Bromophenyl phenyl ether	ND		4.4
Benzyl alcohol	ND		4.4
Butyl benzyl phthalate	ND		4.4
Carbazole	ND		4.4
4-Chloroaniline	ND	UJ ✓	4.4
4-Chloro-3-methylphenol	ND		5.6
2-Chloronaphthalene	ND		4.4
2-Chlorophenol	ND		4.4
4-Chlorophenyl phenyl ether	ND		4.4
Dibenzofuran	ND		4.4
3,3'-Dichlorobenzidine	ND		4.4
2,4-Dichlorophenol	ND		4.4
Diethyl phthalate	ND		4.4
2,4-Dimethylphenol	ND		4.4
Dimethyl phthalate	ND		4.4
Benzoic acid	~~ND~~	R ✓	56
Di-n-butyl phthalate	ND		4.4
4,6-Dinitro-2-methylphenol	ND		28
2,4-Dinitrophenol	ND		28
2,4-Dinitrotoluene	ND		4.4
2,6-Dinitrotoluene	ND		4.4
Di-n-octyl phthalate	ND		4.4
Fluoranthene	ND		4.4
Fluorene	ND		4.4
Hexachlorobutadiene	ND		4.4
Hexachlorocyclopentadiene	ND		4.4
Isophorone	ND		4.4
2-Methylnaphthalene	ND		4.4
2-Methylphenol	ND		4.4
4-Methylphenol	ND		4.4
Naphthalene	ND		4.4
2-Nitroaniline	ND		4.4
3-Nitroaniline	ND		4.4
4-Nitroaniline	ND		4.4
Nitrobenzene	ND		4.4
2-Nitrophenol	ND		4.4
4-Nitrophenol	ND		11
N-Nitrosodiphenylamine	ND		4.4
N-Nitrosodi-n-propylamine	ND		4.4

JM 7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-48**

Lab Sample ID: 220-9374-13
Client Matrix: Water

Date Sampled: 06/17/2009 1600
Date Received: 06/17/2009 1650

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5711.D
Dilution:	1.0			Initial Weight/Volume:	900 mL
Date Analyzed:	06/19/2009 1758			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Pentachloronitrobenzene	ND		11
Phenol	ND		4.4
Pyrene	ND		4.4
Pyridine	ND		22
1,2,4,5-Tetrachlorobenzene	ND		11
1,2,4-Trichlorobenzene	ND		4.4
2,4,5-Trichlorophenol	ND		11

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	105		36 - 120
2-Fluorobiphenyl	81		39 - 120
2-Fluorophenol	51		13 - 120
Nitrobenzene-d5	84		40 - 120
Phenol-d5	37		10 - 120
Terphenyl-d14	89		10 - 120

7/21/09 7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: ***MW-48***

Lab Sample ID: 220-9374-13
Client Matrix: Water

Date Sampled: 06/17/2009 1600
Date Received: 06/17/2009 1650

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 220-28389		Instrument ID:	MSZ
Preparation:	3510C	Prep Batch: 220-28181		Lab File ID:	Z11390.D
Dilution:	1.0			Initial Weight/Volume:	900 mL
Date Analyzed:	06/19/2009 1746			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 1002			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	ND		0.11
Benzo[a]anthracene	ND		0.11
Benzo[b]fluoranthene	ND		0.11
Benzo[k]fluoranthene	ND		0.11
Bis(2-ethylhexyl) phthalate	ND		0.56
Benzo[a]pyrene	ND		0.11
Hexachloroethane	ND		0.11
Hexachlorobenzene	ND		0.11
Pentachlorophenol	ND		1.1
Phenanthrene	ND		0.22
Chrysene	ND		0.11
Dibenz(a,h)anthracene	ND		0.11
Indeno[1,2,3-cd]pyrene	ND		0.11

Surrogate	%Rec	Qualifier	Acceptance Limits
Fluorene-d10 (Surr)	101		53 - 120
Pyrene-d10	116		55 - 131
2,4-dichlorophenol-d3	99		38 - 120

7/21/09 7/14/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-48**

Lab Sample ID: 220-9374-13
Client Matrix: *Water*

Date Sampled: 06/17/2009 1600
Date Received: 06/17/2009 1650

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28480		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28248		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/24/2009 1542			Final Weight/Volume:	500 mL
Date Prepared:	06/19/2009 1042				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	57		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	ND		5.0
Copper	ND		5.0
Nickel	11		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	ND		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28677		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28617		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2009 1128			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1033				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

7/7/09 7/7/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-48**

Lab Sample ID: 220-9374-13
Client Matrix: Water

Date Sampled: 06/17/2009 1600
Date Received: 06/17/2009 1650

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-28659	Instrument ID:	GC-X
Preparation:	3510C	Prep Batch: 220-28344	Lab File ID:	DX1024042.D
Dilution:	1.0		Initial Weight/Volume:	950 mL
Date Analyzed:	06/30/2009 1422		Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1442		Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
CT ETPH	630		95

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	83		50 - 150

7/10/09 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: **MW-48**

Lab Sample ID: 220-9374-13
Client Matrix: Water

Date Sampled: 06/17/2009 1600
Date Received: 06/17/2009 1650

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND	UJ	ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1107
Prep Batch: 220-28561 Date Prepared: 06/26/2009 0950

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-53**

Lab Sample ID: 220-9374-16
Client Matrix: Water

Date Sampled: 06/18/2009 0915
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6456.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 2027		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 2027			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	9.6	J	2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	2.5		0.50
1,3-Dichlorobenzene	0.75		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	1.1		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	1.6		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	3.4		2.0

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: MW-53

Lab Sample ID: 220-9374-16
Client Matrix: Water

Date Sampled: 06/18/2009 0915
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6456.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 2027		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 2027			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	18		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	1.8		0.50
1,2,4-Trichlorobenzene	5.1		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	0.59		0.50
Trichlorofluoromethane	6.6		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	1.0		0.50
1,3,5-Trimethylbenzene	0.68		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	2.5		1.0
o-Xylene	1.5		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		57 - 121
4-Bromofluorobenzene	96		57 - 121
Dibromofluoromethane	109		67 - 133
Toluene-d8 (Surr)	117		62 - 121

7/2/09 7/6/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-53**

Lab Sample ID: 220-9374-16
Client Matrix: Water

Date Sampled: 06/18/2009 0915
Date Received: 06/18/2009 1645

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28480		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28248		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/24/2009 1553			Final Weight/Volume:	500 mL
Date Prepared:	06/19/2009 1042				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	78		2.5
Barium	44		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	47		5.0
Copper	820		5.0
Nickel	52		2.5
Lead	4.3		2.5
Selenium	5.1		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	18		2.5
Zinc	40		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28677		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28617		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2009 1133			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1033				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	~~0.23~~ ND		~~0.20~~ 0.40

7/1/09 7/7/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-53**

Lab Sample ID: 220-9374-16
Client Matrix: Water

Date Sampled: 06/18/2009 0915
Date Received: 06/18/2009 1645

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-28659		Instrument ID:	GC-X
Preparation:	3510C	Prep Batch: 220-28344		Lab File ID:	DX1024045.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/30/2009 1523			Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1442			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
CT ETPH	ND		100

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	80		50 - 150

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: **MW-53**

Lab Sample ID: 220-9374-16
Client Matrix: Water

Date Sampled: 06/18/2009 0915
Date Received: 06/18/2009 1645

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND UJ		ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1109
Prep Batch: 220-28561 *Date Prepared: 06/26/2009 0950*

7/2/09 7/7/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-62**

Lab Sample ID: 220-9374-15
Client Matrix: Water

Date Sampled: 06/17/2009 1545
Date Received: 06/17/2009 1650

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6452.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1846		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1846			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	5.3		0.50
1,2-Dichloroethane	1.6		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-62**

Lab Sample ID: 220-9374-15
Client Matrix: Water

Date Sampled: 06/17/2009 1545
Date Received: 06/17/2009 1650

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6452.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1846		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1846			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	1.5		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	7.7		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		57 - 121
4-Bromofluorobenzene	101		57 - 121
Dibromofluoromethane	110		67 - 133
Toluene-d8 (Surr)	118		62 - 121

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-62**

Lab Sample ID: 220-9374-15
Client Matrix: Water

Date Sampled: 06/17/2009 1545
Date Received: 06/17/2009 1650

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28480		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28248		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/24/2009 1549			Final Weight/Volume:	500 mL
Date Prepared:	06/19/2009 1042				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	48		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	ND		5.0
Copper	5.9		5.0
Nickel	22		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	79		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28677		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28617		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2009 1132			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1033				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

7/21/09 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-62**

Lab Sample ID: 220-9374-15
Client Matrix: Water

Date Sampled: 06/17/2009 1545
Date Received: 06/17/2009 1650

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-28393		Instrument ID:	GC9
Preparation:	3510C	Prep Batch: 220-28231		Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/23/2009 2033			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0901			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
PCB-1016	ND		0.50
PCB-1221	ND		0.50
PCB-1232	ND		0.50
PCB-1242	ND		0.50
PCB-1248	ND		0.50
PCB-1254	ND		0.50
PCB-1260	ND		0.50
PCB-1262	ND		0.50
PCB-1268	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	59		29 - 135
Tetrachloro-m-xylene	88		22 - 145

VW 7/21/09
7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-62**

Lab Sample ID: 220-9374-15
Client Matrix: *Water*

Date Sampled: 06/17/2009 1545
Date Received: 06/17/2009 1650

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	*CT ETPH*	*Analysis Batch: 220-28659*	*Instrument ID:*	GC-X
Preparation:	3510C	Prep Batch: 220-28344	Lab File ID:	DX1024044.D
Dilution:	1.0		Initial Weight/Volume:	960 mL
Date Analyzed:	06/30/2009 1503		Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1442		Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
CT ETPH	190 J		94

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	38	X	50 - 150

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-73**

Lab Sample ID: 220-9374-19
Client Matrix: Water

Date Sampled: 06/18/2009 1120
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6459.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 2143		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 2143			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	0.52		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	14		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	0.60		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	1.1 J		1.0
1,1-Dichloroethane	0.91		0.50
1,2-Dichloroethane	3.1		0.50
1,1-Dichloroethene	49 J		0.50
cis-1,2-Dichloroethene	0.54		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

7/21/09 7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-73**

Lab Sample ID: 220-9374-19
Client Matrix: Water

Date Sampled: 06/18/2009 1120
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6459.D
Dilution:	*1.0*		*Initial Weight/Volume:*	5 mL
Date Analyzed:	06/29/2009 2143		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 2143			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	0.87		0.50
Tetrachloroethene	~~140~~ 130	E ✓	0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	7.6		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	11		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	6.0		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	1.5		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		57 - 121
4-Bromofluorobenzene	97		57 - 121
Dibromofluoromethane	107		67 - 133
Toluene-d8 (Surr)	111		62 - 121

7/21/09 7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-73**

Lab Sample ID: 220-9374-19
Client Matrix: Water

Date Sampled: 06/18/2009 1120
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28639	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6496.D
Dilution:	2.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/30/2009 1942	Run Type: DL	Final Weight/Volume:	5 mL
Date Prepared:	06/30/2009 1942			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		4.0
Acrylonitrile	ND		4.0
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		2.0
Bromodichloromethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Methyl Ethyl Ketone	ND		4.0
Chlorobenzene	ND		1.0
Carbon disulfide	ND		1.0
Carbon tetrachloride	ND		1.0
Chloroethane	ND		2.0
Chloroform	15		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Dibromochloromethane	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		1.0
1,2-Dibromoethane	ND		1.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
trans-1,4-Dichloro-2-butene	ND		2.0
Dichlorodifluoromethane	ND		2.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
1,1-Dichloroethene	50		1.0
cis-1,2-Dichloroethene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3-Dichloropropane	ND		1.0
2,2-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		1.0
cis-1,3-Dichloropropene	ND		1.0
trans-1,3-Dichloropropene	ND		1.0
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		4.0
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		4.0
methyl isobutyl ketone	ND		4.0

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-73**

Lab Sample ID: 220-9374-19
Client Matrix: Water

Date Sampled: 06/18/2009 1120
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28639	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6496.D
Dilution:	2.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/30/2009 1942	Run Type: DL	Final Weight/Volume:	5 mL
Date Prepared:	06/30/2009 1942			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		1.0
Toluene	ND		1.0
Tetrachloroethene	130		1.0
Tetrahydrofuran	ND		4.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	7.8		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	11		1.0
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	7.0	J	1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		1.0
m&p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		57 - 121
4-Bromofluorobenzene	87		57 - 121
Dibromofluoromethane	108		67 - 133
Toluene-d8 (Surr)	100		62 - 121

7/21/09 7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-73**

Lab Sample ID: 220-9374-19
Client Matrix: Water

Date Sampled: 06/18/2009 1120
Date Received: 06/18/2009 1645

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28480		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28248		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/24/2009 1603			Final Weight/Volume:	500 mL
Date Prepared:	06/19/2009 1042				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	140		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	67		5.0
Copper	20		5.0
Nickel	830		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	8.9		2.5
Zinc	32		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28677		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28617		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2009 1135			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1033				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

7/2/09 dm 7/7/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-73**

Lab Sample ID: 220-9374-19
Client Matrix: *Water*

Date Sampled: 06/18/2009 1120
Date Received: 06/18/2009 1645

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-28659		Instrument ID:	GC-X
Preparation:	3510C	Prep Batch: 220-28344		Lab File ID:	DX1024048.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/30/2009 1624			Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1442			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
CT ETPH	ND		100

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	98		50 - 150

NW 7/21/09 pm 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: **MW-73**

Lab Sample ID: 220-9374-19
Client Matrix: Water

Date Sampled: 06/18/2009 1120
Date Received: 06/18/2009 1645

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND	UJ	ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1112
Prep Batch: 220-28562 Date Prepared: 06/26/2009 1300

VW 7/21/09 JM 7/17/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: MW-74

Lab Sample ID: 220-9374-18
Client Matrix: Water

Date Sampled: 06/18/2009 1045
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6458.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 2118		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 2118			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	0.52		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	14		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	0.62		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	0.90		0.50
1,2-Dichloroethane	3.1		0.50
1,1-Dichloroethene	50	J	0.50
cis-1,2-Dichloroethene	0.62		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

7/21/09 7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: ***MW-74***

Lab Sample ID: 220-9374-18
Client Matrix: Water

Date Sampled: 06/18/2009 1045
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6458.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 2118		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 2118			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	~~140~~ 130J ✓	~~B~~	0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	7.4		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	11		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	6.2		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	1.5		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		57 - 121
4-Bromofluorobenzene	100		57 - 121
Dibromofluoromethane	108		67 - 133
Toluene-d8 (Surr)	114		62 - 121

7/21/09 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: ***MW-74***

Lab Sample ID: 220-9374-18
Client Matrix: Water

Date Sampled: 06/18/2009 1045
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28639		Instrument ID:	MSW
Preparation:	5030B			Lab File ID:	W6495.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Date Analyzed:	06/30/2009 1916	Run Type: DL		Final Weight/Volume:	5 mL
Date Prepared:	06/30/2009 1916				

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		4.0
Acrylonitrile	ND		4.0
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		2.0
Bromodichloromethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Methyl Ethyl Ketone	ND		4.0
Chlorobenzene	ND		1.0
Carbon disulfide	ND		1.0
Carbon tetrachloride	ND		1.0
Chloroethane	ND		2.0
Chloroform	15	J	1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Dibromochloromethane	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		1.0
1,2-Dibromoethane	ND		1.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
trans-1,4-Dichloro-2-butene	ND		2.0
Dichlorodifluoromethane	ND		2.0
1,1-Dichloroethane	1.0	J	1.0
1,2-Dichloroethane	3.4	J	1.0
1,1-Dichloroethene	50	J	1.0
cis-1,2-Dichloroethene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3-Dichloropropane	ND		1.0
2,2-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		1.0
cis-1,3-Dichloropropene	ND		1.0
trans-1,3-Dichloropropene	ND		1.0
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		4.0
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		4.0
methyl isobutyl ketone	ND		4.0

7/9/09 7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-74**

Lab Sample ID: 220-9374-18
Client Matrix: Water

Date Sampled: 06/18/2009 1045
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28639	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6495.D
Dilution:	2.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/30/2009 1916	Run Type: DL	Final Weight/Volume:	5 mL
Date Prepared:	06/30/2009 1916			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		1.0
Toluene	ND		1.0
Tetrachloroethene	130	J	1.0
Tetrahydrofuran	ND		4.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	7.8	J	1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	11	J	1.0
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	6.3	J	1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		1.0
m&p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	123	X	57 - 121
4-Bromofluorobenzene	94		57 - 121
Dibromofluoromethane	113		67 - 133
Toluene-d8 (Surr)	109		62 - 121

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-74**

Lab Sample ID: 220-9374-18
Client Matrix: Water

Date Sampled: 06/18/2009 1045
Date Received: 06/18/2009 1645

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28480		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28248		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/24/2009 1600			Final Weight/Volume:	500 mL
Date Prepared:	06/19/2009 1042				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	69		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	33		5.0
Copper	11		5.0
Nickel	460		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	3.0		2.5
Zinc	ND		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28677		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28617		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2009 1134			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1033				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

7/2/09 7/17/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-74**

Lab Sample ID: 220-9374-18
Client Matrix: Water

Date Sampled: 06/18/2009 1045
Date Received: 06/18/2009 1645

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-28659		Instrument ID:	GC-X
Preparation:	3510C	Prep Batch: 220-28344		Lab File ID:	DX1024047.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/30/2009 1603			Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1442			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
CT ETPH	ND		100

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	97		50 - 150

7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: ***MW-74***

Lab Sample ID: 220-9374-18
Client Matrix: Water

Date Sampled: 06/18/2009 1045
Date Received: 06/18/2009 1645

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND	U J	ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1111
Prep Batch: 220-28561 Date Prepared: 06/26/2009 0950

VW 7/21/09 Jam 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-101**

Lab Sample ID: 220-9374-8
Client Matrix: Water

Date Sampled: 06/16/2009 1545
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 06/29/2009 1548
Date Prepared: 06/29/2009 1548

Analysis Batch: 220-28595

Instrument ID: MSW
Lab File ID: W6445.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: MW-101

Lab Sample ID: 220-9374-8
Client Matrix: Water

Date Sampled: 06/16/2009 1545
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6445.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1548		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1548			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	ND		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		57 - 121
4-Bromofluorobenzene	100		57 - 121
Dibromofluoromethane	107		67 - 133
Toluene-d8 (Surr)	114		62 - 121

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-101**

Lab Sample ID: 220-9374-8
Client Matrix: Water

Date Sampled: 06/16/2009 1545
Date Received: 06/16/2009 1745

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28311		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28197		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/19/2009 1623			Final Weight/Volume:	500 mL
Date Prepared:	06/18/2009 1337				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	7.9		2.5
Barium	ND		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	ND		5.0
Copper	10		5.0
Nickel	ND		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	89		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28677		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28617		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2009 1124			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1033				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

7/20/09 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-101**

Lab Sample ID: 220-9374-8
Client Matrix: Water

Date Sampled: 06/16/2009 1545
Date Received: 06/16/2009 1745

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-28659		Instrument ID:	GC-X
Preparation:	3510C	Prep Batch: 220-28344		Lab File ID:	DX1024039.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Date Analyzed:	06/30/2009 1322			Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1442			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
CT ETPH	ND		94

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	*60*		*50 - 150*

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: **MW-101**

Lab Sample ID: 220-9374-8
Client Matrix: Water

Date Sampled: 06/16/2009 1545
Date Received: 06/16/2009 1745

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND	UJ	ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1102
Prep Batch: 220-28561 Date Prepared: 06/26/2009 0950

WO 7/21/09 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-102**

Lab Sample ID: 220-9374-9
Client Matrix: Water

Date Sampled: 06/16/2009 1630
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6446.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1614		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1614			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

7/14/09 7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-102**

Lab Sample ID: 220-9374-9
Client Matrix: Water

Date Sampled: 06/16/2009 1630
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 06/29/2009 1614
Date Prepared: 06/29/2009 1614

Analysis Batch: 220-28595

Instrument ID: MSW
Lab File ID: W6446.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	0.88		0.50
Tetrachloroethene	ND		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		57 - 121
4-Bromofluorobenzene	100		57 - 121
Dibromofluoromethane	108		67 - 133
Toluene-d8 (Surr)	115		62 - 121

7/21/09 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: MW-102

Lab Sample ID: 220-9374-9
Client Matrix: Water

Date Sampled: 06/16/2009 1630
Date Received: 06/16/2009 1745

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28311		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28197		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/19/2009 1634			Final Weight/Volume:	500 mL
Date Prepared:	06/18/2009 1337				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	8.0		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	ND		5.0
Copper	6.6		5.0
Nickel	18		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	ND		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28677		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28617		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2009 1125			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1033				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

7/21/09 7/17/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-102**

Lab Sample ID: 220-9374-9
Client Matrix: Water

Date Sampled: 06/16/2009 1630
Date Received: 06/16/2009 1745

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-28659		Instrument ID:	GC-X
Preparation:	3510C	Prep Batch: 220-28344		Lab File ID:	DX1024040.D
Dilution:	1.0			Initial Weight/Volume:	500 mL
Date Analyzed:	06/30/2009 1342			Final Weight/Volume:	.5 mL
Date Prepared:	06/22/2009 1442			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
CT ETPH	140 J		100

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	34	X	50 - 150

7/10/09 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: **MW-102**

Lab Sample ID: 220-9374-9
Client Matrix: Water

Date Sampled: 06/16/2009 1630
Date Received: 06/16/2009 1745

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND	U J	ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1103
Prep Batch: 220-28561 Date Prepared: 06/26/2009 0950

VNO 7/21/09 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-103**

Lab Sample ID: 220-9374-4
Client Matrix: Water

Date Sampled: 06/16/2009 1045
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6441.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1407		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1407			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

7/2/09 7/6/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-103**

Lab Sample ID: 220-9374-4
Client Matrix: Water

Date Sampled: 06/16/2009 1045
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6441.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1407		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1407			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	0.87		0.50
Tetrachloroethene	ND		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	1.2		0.50
1,3,5-Trimethylbenzene	0.75		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	2.6		1.0
o-Xylene	1.6		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		57 - 121
4-Bromofluorobenzene	102		57 - 121
Dibromofluoromethane	105		67 - 133
Toluene-d8 (Surr)	116		62 - 121

WW 7/21/09 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-103**

Lab Sample ID: 220-9374-4
Client Matrix: Water

Date Sampled: 06/16/2009 1045
Date Received: 06/16/2009 1745

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28311		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28197		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/19/2009 1613			Final Weight/Volume:	500 mL
Date Prepared:	06/18/2009 1337				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	43		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	ND		5.0
Copper	ND		5.0
Nickel	ND		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	ND		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28596		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28574		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	06/29/2009 1418			Final Weight/Volume:	50 mL
Date Prepared:	06/29/2009 1030				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

7/21/09 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: MW-103

Lab Sample ID: 220-9374-4
Client Matrix: Water

Date Sampled: 06/16/2009 1045
Date Received: 06/16/2009 1745

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-28393		Instrument ID:	GC9
Preparation:	3510C	Prep Batch: 220-28231		Initial Weight/Volume:	960 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	06/23/2009 2014			Injection Volume:	1.0 uL
Date Prepared:	06/19/2009 0901			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
PCB-1016	ND		0.52
PCB-1221	ND		0.52
PCB-1232	ND		0.52
PCB-1242	ND		0.52
PCB-1248	ND		0.52
PCB-1254	ND		0.52
PCB-1260	ND		0.52
PCB-1262	ND		0.52
PCB-1268	ND		0.52

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	54		29 - 135
Tetrachloro-m-xylene	98		22 - 145

7/21/09 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-103**

Lab Sample ID: 220-9374-4
Client Matrix: Water

Date Sampled: 06/16/2009 1045
Date Received: 06/16/2009 1745

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-28659		Instrument ID:	GC-X
Preparation:	3510C	Prep Batch: 220-28344		Lab File ID:	DX1024037.D
Dilution:	1.0			Initial Weight/Volume:	960 mL
Date Analyzed:	06/30/2009 1241			Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1442			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
CT ETPH	ND		94

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	50		50 - 150

7/21/09 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-105**

Lab Sample ID: 220-9374-5
Client Matrix: Water

Date Sampled: 06/16/2009 0930
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6442.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1433		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1433			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	0.60		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

7/1/09 7/6/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-105**

Lab Sample ID: 220-9374-5
Client Matrix: Water

Date Sampled: 06/16/2009 0930
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6442.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1433		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1433			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	7.0		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	9.3		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	1.0		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		57 - 121
4-Bromofluorobenzene	102		57 - 121
Dibromofluoromethane	107		67 - 133
Toluene-d8 (Surr)	116		62 - 121

7/21/09 7/21/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: ***MW-105***

Lab Sample ID: 220-9374-5
Client Matrix: Water

Date Sampled: 06/16/2009 0930
Date Received: 06/16/2009 1745

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-28659		Instrument ID:	GC-X
Preparation:	3510C	Prep Batch: 220-28344		Lab File ID:	DX1024038.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/30/2009 1301			Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1442			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
CT ETPH	ND		100

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	64		50 - 150

WJ 7/21/09 JAA 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: **MW-105**

Lab Sample ID: 220-9374-5
Client Matrix: Water

Date Sampled: 06/16/2009 0930
Date Received: 06/16/2009 1745

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND	UJ	ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1057
Prep Batch: 220-28561 Date Prepared: 06/26/2009 0950

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: MW-108

Lab Sample ID: 220-9374-22
Client Matrix: Water

Date Sampled: 06/18/2009 1325
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28639	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6499.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/30/2009 2056		Final Weight/Volume:	5 mL
Date Prepared:	06/30/2009 2056			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	12 J		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	1.4 J		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

7/21/09 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-108**

Lab Sample ID: 220-9374-22
Client Matrix: Water

Date Sampled: 06/18/2009 1325
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28639	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6499.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/30/2009 2056		Final Weight/Volume:	5 mL
Date Prepared:	06/30/2009 2056			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	0.68	J	0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	1.7	J	0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	122	X	57 - 121
4-Bromofluorobenzene	63		57 - 121
Dibromofluoromethane	112		67 - 133
Toluene-d8 (Surr)	92		62 - 121

7/21/09 7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-108**

Lab Sample ID: 220-9374-22
Client Matrix: Water

Date Sampled: 06/18/2009 1325
Date Received: 06/18/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28606		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28266		Lab File ID:	A5878.D
Dilution:	10			Initial Weight/Volume:	940 mL
Date Analyzed:	06/29/2009 1648			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1222			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		43
Aniline	ND		43
Anthracene	ND		43
Benzo[g,h,i]perylene	ND		43
Bis(2-chloroethyl)ether	ND		43
Bis(2-chloroethoxy)methane	ND		43
2,2'-oxybis[1-chloropropane]	ND		43
4-Bromophenyl phenyl ether	ND		43
Benzyl alcohol	ND		43
Butyl benzyl phthalate	ND		43
Carbazole	ND		43
4-Chloroaniline	ND		43
4-Chloro-3-methylphenol	ND		53
2-Chloronaphthalene	ND		43
2-Chlorophenol	ND		43
4-Chlorophenyl phenyl ether	ND		43
Dibenzofuran	ND		43
3,3'-Dichlorobenzidine	ND		43
2,4-Dichlorophenol	ND		43
Diethyl phthalate	ND		43
2,4-Dimethylphenol	ND		43
Dimethyl phthalate	ND		43
Benzoic acid	~~ND~~ R		530
Di-n-butyl phthalate	ND		43
4,6-Dinitro-2-methylphenol	ND		270
2,4-Dinitrophenol	ND		270
2,4-Dinitrotoluene	ND		43
2,6-Dinitrotoluene	ND		43
Di-n-octyl phthalate	ND		43
Fluoranthene	ND		43
Fluorene	ND		43
Hexachlorobutadiene	ND		43
Hexachlorocyclopentadiene	ND		43
Isophorone	ND		43
2-Methylnaphthalene	ND		43
2-Methylphenol	ND		43
4-Methylphenol	ND		43
Naphthalene	ND		43
2-Nitroaniline	ND		43
3-Nitroaniline	ND		43
4-Nitroaniline	ND		43
Nitrobenzene	ND		43
2-Nitrophenol	ND		43
4-Nitrophenol	ND		110
N-Nitrosodiphenylamine	ND		43
N-Nitrosodi-n-propylamine	ND		43

7/2/09 7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-108**

Lab Sample ID: 220-9374-22
Client Matrix: Water

Date Sampled: 06/18/2009 1325
Date Received: 06/18/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28606		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28266		Lab File ID:	A5878.D
Dilution:	10			Initial Weight/Volume:	940 mL
Date Analyzed:	06/29/2009 1648			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1222			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Pentachloronitrobenzene	ND		110
Phenol	ND		43
Pyrene	ND		43
Pyridine	ND		210
1,2,4,5-Tetrachlorobenzene	ND		110
1,2,4-Trichlorobenzene	ND		43
2,4,5-Trichlorophenol	ND		110

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	64		36 - 120
2-Fluorobiphenyl	76		39 - 120
2-Fluorophenol	31		13 - 120
Nitrobenzene-d5	77		40 - 120
Phenol-d5	24		10 - 120
Terphenyl-d14	50		10 - 120

7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: MW-108

Lab Sample ID: 220-9374-22
Client Matrix: Water

Date Sampled: 06/18/2009 1325
Date Received: 06/18/2009 1645

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 220-28681		Instrument ID:	MSZ
Preparation:	3510C	Prep Batch: 220-28267		Lab File ID:	Z11535.D
Dilution:	5.0			Initial Weight/Volume:	940 mL
Date Analyzed:	06/29/2009 1958			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1226			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	0.97		0.53
Benzo[a]anthracene	1.5 J		0.53
Benzo[b]fluoranthene	ND UJ		0.53
Benzo[k]fluoranthene	ND UJ		0.53
Bis(2-ethylhexyl) phthalate	5.8 J		2.7
Benzo[a]pyrene	ND UJ		0.53
Hexachloroethane	ND		0.53
Hexachlorobenzene	ND		0.53
Pentachlorophenol	ND		5.3
Phenanthrene	1.3		1.1
Chrysene	25 J		0.53
Dibenz(a,h)anthracene	ND UJ		0.53
Indeno[1,2,3-cd]pyrene	ND UJ		0.53

Surrogate	%Rec	Qualifier	Acceptance Limits
Fluorene-d10 (Surr)	98		53 - 120
Pyrene-d10	158	X	55 - 131
2,4-dichlorophenol-d3	80		38 - 120

UU 7/1/09 DAM 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-108**

Lab Sample ID: 220-9374-22
Client Matrix: Water

Date Sampled: 06/18/2009 1325
Date Received: 06/18/2009 1645

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 220-28681		Instrument ID:	MSZ
Preparation:	3510C	Prep Batch: 220-28267		Lab File ID:	Z11536.D
Dilution:	10			Initial Weight/Volume:	940 mL
Date Analyzed:	06/29/2009 2024	Run Type: DL		Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1226			Injection Volume:	1 uL

do not report

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	1.1		1.1
Benzo[a]anthracene	4.3 J		1.1
Benzo[b]fluoranthene	ND UJ		1.1
Benzo[k]fluoranthene	ND UJ		1.1
Bis(2-ethylhexyl) phthalate	ND UJ		5.3
Benzo[a]pyrene	ND UJ		1.1
Hexachloroethane	ND		1.1
Hexachlorobenzene	ND		1.1
Pentachlorophenol	ND		11
Phenanthrene	ND		2.1
Chrysene	29 J		1.1
Dibenz(a,h)anthracene	ND UJ		1.1
Indeno[1,2,3-cd]pyrene	ND UJ		1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Fluorene-d10 (Surr)	94		53 - 120
Pyrene-d10	154	X	55 - 131
2,4-dichlorophenol-d3	87		38 - 120

UJ 7/21/09 JAM 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-108**

Lab Sample ID: 220-9374-22
Client Matrix: Water

Date Sampled: 06/18/2009 1325
Date Received: 06/18/2009 1645

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28652		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28450		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/30/2009 1424			Final Weight/Volume:	500 mL
Date Prepared:	06/24/2009 1256				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	8.6		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	19		5.0
Copper	66		5.0
Nickel	3.8		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	6.7		2.5
Zinc	28		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28677		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28617		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2009 1138			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1033				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

DW 7/2/09 JAM 7/17/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-1088**

Lab Sample ID: 220-9374-23
Client Matrix: Water

Date Sampled: 06/18/2009 1328
Date Received: 06/18/2009 1645

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28652		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28450		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/30/2009 1428			Final Weight/Volume:	500 mL
Date Prepared:	06/24/2009 1256				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	8.0		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	19		5.0
Copper	62		5.0
Nickel	3.5		2.5
Lead	2.6		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	6.4		2.5
Zinc	26		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28677		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28617		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2009 1139			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1033				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

7/07/09 7/07/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-108**

Lab Sample ID: 220-9374-22
Client Matrix: Water

Date Sampled: 06/18/2009 1325
Date Received: 06/18/2009 1645

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-28659	Instrument ID:	GC-X
Preparation:	3510C	Prep Batch: 220-28344	Lab File ID:	DX1024057.D
Dilution:	25		Initial Weight/Volume:	910 mL
Date Analyzed:	06/30/2009 1944		Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1442		Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
CT ETPH	110000		2500

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	0	X	50 - 150

7/2/09 7/7/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: **MW-108**

Lab Sample ID: 220-9374-22
Client Matrix: Water

Date Sampled: 06/18/2009 1325
Date Received: 06/18/2009 1645

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND UJ		ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1117
Prep Batch: 220-28562 Date Prepared: 06/26/2009 1300

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-1088**

Lab Sample ID: 220-9374-23
Client Matrix: Water

Date Sampled: 06/18/2009 1328
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28639	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6498.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/30/2009 2032		Final Weight/Volume:	5 mL
Date Prepared:	06/30/2009 2032			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	12	J	2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	1.3	J	0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-108B**

Lab Sample ID: 220-9374-23
Client Matrix: Water

Date Sampled: 06/18/2009 1328
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28639	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6498.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/30/2009 2032		Final Weight/Volume:	5 mL
Date Prepared:	06/30/2009 2032			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	0.58	J	0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	1.6	J	0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	130	X	57 - 121
4-Bromofluorobenzene	68		57 - 121
Dibromofluoromethane	118		67 - 133
Toluene-d8 (Surr)	96		62 - 121

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-1088**

Lab Sample ID: 220-9374-23
Client Matrix: Water

Date Sampled: 06/18/2009 1328
Date Received: 06/18/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28606		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28266		Lab File ID:	A5879.D
Dilution:	10			Initial Weight/Volume:	960 mL
Date Analyzed:	06/29/2009 1714			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1222			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		42
Aniline	ND		42
Anthracene	ND		42
Benzo[g,h,i]perylene	ND		42
Bis(2-chloroethyl)ether	ND		42
Bis(2-chloroethoxy)methane	ND		42
2,2'-oxybis[1-chloropropane]	ND		42
4-Bromophenyl phenyl ether	ND		42
Benzyl alcohol	ND		42
Butyl benzyl phthalate	ND		42
Carbazole	ND		42
4-Chloroaniline	ND		42
4-Chloro-3-methylphenol	ND		52
2-Chloronaphthalene	ND		42
2-Chlorophenol	ND		42
4-Chlorophenyl phenyl ether	ND		42
Dibenzofuran	ND		42
3,3'-Dichlorobenzidine	ND		42
2,4-Dichlorophenol	ND		42
Diethyl phthalate	ND		42
2,4-Dimethylphenol	ND		42
Dimethyl phthalate	ND		42
Benzoic acid	~~ND~~	R V	520
Di-n-butyl phthalate	ND		42
4,6-Dinitro-2-methylphenol	ND		260
2,4-Dinitrophenol	ND		260
2,4-Dinitrotoluene	ND		42
2,6-Dinitrotoluene	ND		42
Di-n-octyl phthalate	ND		42
Fluoranthene	ND		42
Fluorene	ND		42
Hexachlorobutadiene	ND		42
Hexachlorocyclopentadiene	ND		42
Isophorone	ND		42
2-Methylnaphthalene	ND		42
2-Methylphenol	ND		42
4-Methylphenol	ND		42
Naphthalene	ND		42
2-Nitroaniline	ND		42
3-Nitroaniline	ND		42
4-Nitroaniline	ND		42
Nitrobenzene	ND		42
2-Nitrophenol	ND		42
4-Nitrophenol	ND		100
N-Nitrosodiphenylamine	ND		42
N-Nitrosodi-n-propylamine	ND		42

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-1088**

Lab Sample ID: 220-9374-23
Client Matrix: Water

Date Sampled: 06/18/2009 1328
Date Received: 06/18/2009 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28606		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28266		Lab File ID:	A5879.D
Dilution:	10			Initial Weight/Volume:	960 mL
Date Analyzed:	06/29/2009 1714			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1222			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Pentachloronitrobenzene	ND		100
Phenol	ND		42
Pyrene	ND		42
Pyridine	ND		210
1,2,4,5-Tetrachlorobenzene	ND		100
1,2,4-Trichlorobenzene	ND		42
2,4,5-Trichlorophenol	ND		100

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	90		36 - 120
2-Fluorobiphenyl	84		39 - 120
2-Fluorophenol	40		13 - 120
Nitrobenzene-d5	84		40 - 120
Phenol-d5	31		10 - 120
Terphenyl-d14	82		10 - 120

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-1088**

Lab Sample ID: 220-9374-23
Client Matrix: Water

Date Sampled: 06/18/2009 1328
Date Received: 06/18/2009 1645

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 220-28681		Instrument ID:	MSZ
Preparation:	3510C	Prep Batch: 220-28267		Lab File ID:	Z11537.D
Dilution:	5.0			Initial Weight/Volume:	960 mL
Date Analyzed:	06/29/2009 2051			Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1226			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	0.90		0.52
Benzo[a]anthracene	1.1	J	0.52
Benzo[b]fluoranthene	ND	UJ	0.52
Benzo[k]fluoranthene	ND	UJ	0.52
Bis(2-ethylhexyl) phthalate	3.5	J	2.6
Benzo[a]pyrene	ND	UJ	0.52
Hexachloroethane	ND		0.52
Hexachlorobenzene	ND		0.52
Pentachlorophenol	ND		5.2
Phenanthrene	1.3		1.0
Chrysene	21	J	0.52
Dibenz(a,h)anthracene	ND	UJ	0.52
Indeno[1,2,3-cd]pyrene	ND	UJ	0.52

Surrogate	%Rec	Qualifier	Acceptance Limits
Fluorene-d10 (Surr)	107		53 - 120
Pyrene-d10	163	X	55 - 131
2,4-dichlorophenol-d3	101		38 - 120

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-1088**

Lab Sample ID: 220-9374-23
Client Matrix: Water

Date Sampled: 06/18/2009 1328
Date Received: 06/18/2009 1645

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 220-28681		Instrument ID:	MSZ
Preparation:	3510C	Prep Batch: 220-28267		Lab File ID:	Z11538.D
Dilution:	10			Initial Weight/Volume:	960 mL
Date Analyzed:	06/29/2009 2117	Run Type: DL		Final Weight/Volume:	1 mL
Date Prepared:	06/19/2009 1226			Injection Volume:	1 uL

do not report

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	ND		1.0
Benzo[a]anthracene	1.7	J	1.0
Benzo[b]fluoranthene	ND	U J	1.0
Benzo[k]fluoranthene	ND	U J	1.0
Bis(2-ethylhexyl) phthalate	ND	U J	5.2
Benzo[a]pyrene	ND	U J	1.0
Hexachloroethane	ND		1.0
Hexachlorobenzene	ND		1.0
Pentachlorophenol	ND		10
Phenanthrene	ND		2.1
Chrysene	21	J	1.0
Dibenz(a,h)anthracene	ND	U J	1.0
Indeno[1,2,3-cd]pyrene	ND	U J	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Fluorene-d10 (Surr)	102		53 - 120
Pyrene-d10	164	X	55 - 131
2,4-dichlorophenol-d3	94		38 - 120

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-1088**

Lab Sample ID: 220-9374-23
Client Matrix: Water

Date Sampled: 06/18/2009 1328
Date Received: 06/18/2009 1645

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-28659	Instrument ID:	GC-X
Preparation:	3510C	Prep Batch: 220-28344	Lab File ID:	DX1024058.D
Dilution:	25		Initial Weight/Volume:	960 mL
Date Analyzed:	06/30/2009 2004		Final Weight/Volume:	1 mL
Date Prepared:	06/22/2009 1442		Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
CT ETPH	100000		2300

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	0	X	50 - 150

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: **MW-108B**

Lab Sample ID: 220-9374-23
Client Matrix: Water

Date Sampled: 06/18/2009 1328
Date Received: 06/18/2009 1645

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND	UJ	ug/L	10	1.0	9012B

Analysis Batch: 220-28564 Date Analyzed: 06/29/2009 1118
Prep Batch: 220-28562 Date Prepared: 06/26/2009 1300

VO 7/21/09 DMM 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-109**

Lab Sample ID: 220-9354-1
Client Matrix: Water

Date Sampled: 06/15/2009 1230
Date Received: 06/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28440	Instrument ID:	MSV
Preparation:	5030B		Lab File ID:	V4857.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/24/2009 1756		Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 1756			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND	UJ	0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND	UJ	1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: MW-109

Lab Sample ID: 220-9354-1
Client Matrix: Water

Date Sampled: 06/15/2009 1230
Date Received: 06/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28440	Instrument ID:	MSV
Preparation:	5030B		Lab File ID:	V4857.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/24/2009 1756		Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 1756			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	2.0		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	1.2		0.50
1,1,1-Trichloroethane	ND	UJ ✓	0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND	UJ ✓	0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ ✓	0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		57 - 121
4-Bromofluorobenzene	71		57 - 121
Dibromofluoromethane	98		67 - 133
Toluene-d8 (Surr)	82		62 - 121

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Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-109**

Lab Sample ID: 220-9354-1
Client Matrix: Water

Date Sampled: 06/15/2009 1230
Date Received: 06/15/2009 1640

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28166	Instrument ID:	HP 6890/5975	
Preparation:	3510C	Prep Batch: 220-28061	Lab File ID:	A5648.D	
Dilution:	1.0		Initial Weight/Volume:	1000 mL	
Date Analyzed:	06/17/2009 2013		Final Weight/Volume:	1 mL	
Date Prepared:	06/16/2009 2118		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		4.0
Aniline	ND		4.0
Anthracene	ND		4.0
Benzo[g,h,i]perylene	ND		4.0
Bis(2-chloroethyl)ether	ND		4.0
Bis(2-chloroethoxy)methane	ND		4.0
2,2'-oxybis[1-chloropropane]	ND		4.0
4-Bromophenyl phenyl ether	ND		4.0
Benzyl alcohol	ND		4.0
Butyl benzyl phthalate	ND		4.0
Carbazole	ND		4.0
4-Chloroaniline	ND		4.0
4-Chloro-3-methylphenol	ND		5.0
2-Chloronaphthalene	ND		4.0
2-Chlorophenol	ND		4.0
4-Chlorophenyl phenyl ether	ND		4.0
Dibenzofuran	ND		4.0
3,3'-Dichlorobenzidine	ND		4.0
2,4-Dichlorophenol	ND		4.0
Diethyl phthalate	ND		4.0
2,4-Dimethylphenol	ND		4.0
Dimethyl phthalate	ND		4.0
Benzoic acid	~~ND~~	R ✓	50
Di-n-butyl phthalate	ND		4.0
4,6-Dinitro-2-methylphenol	ND		25
2,4-Dinitrophenol	ND		25
2,4-Dinitrotoluene	ND		4.0
2,6-Dinitrotoluene	ND		4.0
Di-n-octyl phthalate	ND		4.0
Fluoranthene	ND		4.0
Fluorene	ND		4.0
Hexachlorobutadiene	ND		4.0
Hexachlorocyclopentadiene	ND		4.0
Isophorone	ND		4.0
2-Methylnaphthalene	ND		4.0
2-Methylphenol	ND		4.0
4-Methylphenol	ND		4.0
Naphthalene	ND		4.0
2-Nitroaniline	ND		4.0
3-Nitroaniline	ND		4.0
4-Nitroaniline	ND		4.0
Nitrobenzene	ND		4.0
2-Nitrophenol	ND		4.0
4-Nitrophenol	ND		10

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-109**

Lab Sample ID: 220-9354-1
Client Matrix: Water

Date Sampled: 06/15/2009 1230
Date Received: 06/15/2009 1640

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28166		Instrument ID:	HP 6890/5975
Preparation:	3510C	Prep Batch: 220-28061		Lab File ID:	A5648.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/17/2009 2013			Final Weight/Volume:	1 mL
Date Prepared:	06/16/2009 2118			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosodiphenylamine	ND		4.0
N-Nitrosodi-n-propylamine	ND		4.0
Pentachloronitrobenzene	ND		10
Phenol	ND		4.0
Pyrene	ND		4.0
Pyridine	ND		20
1,2,4,5-Tetrachlorobenzene	ND		10
1,2,4-Trichlorobenzene	ND		4.0
2,4,5-Trichlorophenol	ND		10

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	72	36 - 120
2-Fluorobiphenyl	72	39 - 120
2-Fluorophenol	36	13 - 120
Nitrobenzene-d5	75	40 - 120
Phenol-d5	26	10 - 120
Terphenyl-d14	40	10 - 120

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: MW-109

Lab Sample ID: 220-9354-1
Client Matrix: Water

Date Sampled: 06/15/2009 1230
Date Received: 06/15/2009 1640

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method: 8270C
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 06/17/2009 2330
Date Prepared: 06/16/2009 2141

Analysis Batch: 220-28193
Prep Batch: 220-28063

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Z11355.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	ND		0.10
Benzo[a]anthracene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Bis(2-ethylhexyl) phthalate	ND		0.50
Benzo[a]pyrene	ND		0.10
Hexachloroethane	ND		0.10
Hexachlorobenzene	ND		0.10
Pentachlorophenol	ND		1.0
Phenanthrene	ND		0.20
Chrysene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10

Surrogate	%Rec	Acceptance Limits
Fluorene-d10 (Surr)	83	53 - 120
Pyrene-d10	94	55 - 131
2,4-dichlorophenol-d3	71	38 - 120

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: MW-109

Lab Sample ID: 220-9354-1
Client Matrix: Water

Date Sampled: 06/15/2009 1230
Date Received: 06/15/2009 1640

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 06/19/2009 1513
Date Prepared: 06/18/2009 1337

Analysis Batch: 220-28311
Prep Batch: 220-28197

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 500 mL

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	84		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	27		5.0
Copper	1600		5.0
Nickel	1400		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	2100		25
Tin	ND		15

7470A Mercury (CVAA)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 06/24/2009 1302
Date Prepared: 06/23/2009 1344

Analysis Batch: 220-28455
Prep Batch: 220-28392

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

7/24/09

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Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-112**

Lab Sample ID: 220-9354-2
Client Matrix: Water

Date Sampled: 06/15/2009 1430
Date Received: 06/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28440	Instrument ID:	MSV
Preparation:	5030B		Lab File ID:	V4858.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/24/2009 1821		Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 1821			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND	UJ	0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND	UJ	1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

7/22/09

7/22/09

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-112**

Lab Sample ID: 220-9354-2
Client Matrix: Water

Date Sampled: 06/15/2009 1430
Date Received: 06/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28440	Instrument ID:	MSV
Preparation:	5030B		Lab File ID:	V4858.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/24/2009 1821		Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 1821			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	4.2		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND	UJ	0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	1.1		0.50
Trichlorofluoromethane	ND	UJ	0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		57 - 121
4-Bromofluorobenzene	74		57 - 121
Dibromofluoromethane	96		67 - 133
Toluene-d8 (Surr)	82		62 - 121

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-112**

Lab Sample ID: 220-9354-2
Client Matrix: Water

Date Sampled: 06/15/2009 1430
Date Received: 06/15/2009 1640

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28166	Instrument ID:	HP 6890/5975	
Preparation:	3510C	Prep Batch: 220-28061	Lab File ID:	A5649.D	
Dilution:	1.0		Initial Weight/Volume:	1000 mL	
Date Analyzed:	06/17/2009 2039		Final Weight/Volume:	1 mL	
Date Prepared:	06/16/2009 2118		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		4.0
Aniline	ND		4.0
Anthracene	ND		4.0
Benzo[g,h,i]perylene	ND		4.0
Bis(2-chloroethyl)ether	ND		4.0
Bis(2-chloroethoxy)methane	ND		4.0
2,2'-oxybis[1-chloropropane]	ND		4.0
4-Bromophenyl phenyl ether	ND		4.0
Benzyl alcohol	ND		4.0
Butyl benzyl phthalate	ND		4.0
Carbazole	ND		4.0
4-Chloroaniline	ND		4.0
4-Chloro-3-methylphenol	ND		5.0
2-Chloronaphthalene	ND		4.0
2-Chlorophenol	ND		4.0
4-Chlorophenyl phenyl ether	ND		4.0
Dibenzofuran	ND		4.0
3,3'-Dichlorobenzidine	ND		4.0
2,4-Dichlorophenol	ND		4.0
Diethyl phthalate	ND		4.0
2,4-Dimethylphenol	ND		4.0
Dimethyl phthalate	ND		4.0
Benzoic acid	~~ND~~	R ✓	50
Di-n-butyl phthalate	ND		4.0
4,6-Dinitro-2-methylphenol	ND		25
2,4-Dinitrophenol	ND		25
2,4-Dinitrotoluene	ND		4.0
2,6-Dinitrotoluene	ND		4.0
Di-n-octyl phthalate	ND		4.0
Fluoranthene	ND		4.0
Fluorene	ND		4.0
Hexachlorobutadiene	ND		4.0
Hexachlorocyclopentadiene	ND		4.0
Isophorone	ND		4.0
2-Methylnaphthalene	ND		4.0
2-Methylphenol	ND		4.0
4-Methylphenol	ND		4.0
Naphthalene	ND		4.0
2-Nitroaniline	ND		4.0
3-Nitroaniline	ND		4.0
4-Nitroaniline	ND		4.0
Nitrobenzene	ND		4.0
2-Nitrophenol	ND		4.0
4-Nitrophenol	ND		10

7/15/09
7/24/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-112**

Lab Sample ID: 220-9354-2
Client Matrix: Water

Date Sampled: 06/15/2009 1430
Date Received: 06/15/2009 1640

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28166	Instrument ID:	HP 6890/5975	
Preparation:	3510C	Prep Batch: 220-28061	Lab File ID:	A5649.D	
Dilution:	1.0		Initial Weight/Volume:	1000 mL	
Date Analyzed:	06/17/2009 2039		Final Weight/Volume:	1 mL	
Date Prepared:	06/16/2009 2118		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosodiphenylamine	ND		4.0
N-Nitrosodi-n-propylamine	ND		4.0
Pentachloronitrobenzene	ND		10
Phenol	ND		4.0
Pyrene	ND		4.0
Pyridine	ND		20
1,2,4,5-Tetrachlorobenzene	ND		10
1,2,4-Trichlorobenzene	ND		4.0
2,4,5-Trichlorophenol	ND		10

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	70	36 - 120
2-Fluorobiphenyl	72	39 - 120
2-Fluorophenol	45	13 - 120
Nitrobenzene-d5	81	40 - 120
Phenol-d5	32	10 - 120
Terphenyl-d14	49	10 - 120

JAM 7/15/09
WJ 7/24/09

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-112**

Lab Sample ID: 220-9354-2
Client Matrix: Water

Date Sampled: 06/15/2009 1430
Date Received: 06/15/2009 1640

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method: 8270C
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 06/17/2009 2356
Date Prepared: 06/16/2009 2141

Analysis Batch: 220-28193
Prep Batch: 220-28063

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Z11356.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	ND		0.10
Benzo[a]anthracene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Bis(2-ethylhexyl) phthalate	ND		0.50
Benzo[a]pyrene	ND		0.10
Hexachloroethane	ND		0.10
Hexachlorobenzene	ND		0.10
Pentachlorophenol	ND		1.0
Phenanthrene	ND		0.20
Chrysene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10

Surrogate	%Rec	Acceptance Limits
Fluorene-d10 (Surr)	83	53 - 120
Pyrene-d10	95	55 - 131
2,4-dichlorophenol-d3	77	38 - 120

Jam 7/15/09
JW 7/14/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: MW-112

Lab Sample ID: 220-9354-2
Client Matrix: Water

Date Sampled: 06/15/2009 1430
Date Received: 06/15/2009 1640

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 06/19/2009 1516
Date Prepared: 06/18/2009 1337

Analysis Batch: 220-28311
Prep Batch: 220-28197

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 500 mL

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	27		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	11		5.0
Copper	ND		5.0
Nickel	3.9		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	ND		25
Tin	ND		15

7470A Mercury (CVAA)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 06/24/2009 1305
Date Prepared: 06/23/2009 1344

Analysis Batch: 220-28455
Prep Batch: 220-28392

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

7/24/09

VW 7/24/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-113**

Lab Sample ID: 220-9374-10
Client Matrix: Water

Date Sampled: 06/16/2009 1545
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6447.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1639		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1639			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	0.92		0.50
tert-Butylbenzene	1.1		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-113**

Lab Sample ID: 220-9374-10
Client Matrix: Water

Date Sampled: 06/16/2009 1545
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6447.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1639		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1639			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	ND		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		57 - 121
4-Bromofluorobenzene	100		57 - 121
Dibromofluoromethane	109		67 - 133
Toluene-d8 (Surr)	116		62 - 121

SW 7/01/09 Jm 7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-113**

Lab Sample ID: 220-9374-10
Client Matrix: Water

Date Sampled: 06/16/2009 1545
Date Received: 06/16/2009 1745

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5709.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1706			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		4.0
Aniline	ND		4.0
Anthracene	ND		4.0
Benzo[g,h,i]perylene	ND		4.0
Bis(2-chloroethyl)ether	ND		4.0
Bis(2-chloroethoxy)methane	ND		4.0
2,2'-oxybis[1-chloropropane]	ND		4.0
4-Bromophenyl phenyl ether	ND		4.0
Benzyl alcohol	ND		4.0
Butyl benzyl phthalate	ND		4.0
Carbazole	ND		4.0
4-Chloroaniline	ND	UJ	4.0
4-Chloro-3-methylphenol	ND		5.0
2-Chloronaphthalene	ND		4.0
2-Chlorophenol	ND		4.0
4-Chlorophenyl phenyl ether	ND		4.0
Dibenzofuran	ND		4.0
3,3'-Dichlorobenzidine	ND		4.0
2,4-Dichlorophenol	ND		4.0
Diethyl phthalate	ND		4.0
2,4-Dimethylphenol	ND		4.0
Dimethyl phthalate	ND		4.0
Benzoic acid	~~ND~~	R	50
Di-n-butyl phthalate	ND		4.0
4,6-Dinitro-2-methylphenol	ND		25
2,4-Dinitrophenol	ND		25
2,4-Dinitrotoluene	ND		4.0
2,6-Dinitrotoluene	ND		4.0
Di-n-octyl phthalate	ND		4.0
Fluoranthene	ND		4.0
Fluorene	ND		4.0
Hexachlorobutadiene	ND		4.0
Hexachlorocyclopentadiene	ND		4.0
Isophorone	ND		4.0
2-Methylnaphthalene	ND		4.0
2-Methylphenol	ND		4.0
4-Methylphenol	ND		4.0
Naphthalene	ND		4.0
2-Nitroaniline	ND		4.0
3-Nitroaniline	ND		4.0
4-Nitroaniline	ND		4.0
Nitrobenzene	ND		4.0
2-Nitrophenol	ND		4.0
4-Nitrophenol	ND		10
N-Nitrosodiphenylamine	ND		4.0
N-Nitrosodi-n-propylamine	ND		4.0

7/21/09 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-113**

Lab Sample ID: 220-9374-10
Client Matrix: Water

Date Sampled: 06/16/2009 1545
Date Received: 06/16/2009 1745

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5709.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1706			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Pentachloronitrobenzene	ND		10
Phenol	ND		4.0
Pyrene	ND		4.0
Pyridine	ND		20
1,2,4,5-Tetrachlorobenzene	ND		10
1,2,4-Trichlorobenzene	ND		4.0
2,4,5-Trichlorophenol	ND		10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	100		36 - 120
2-Fluorobiphenyl	84		39 - 120
2-Fluorophenol	50		13 - 120
Nitrobenzene-d5	87		40 - 120
Phenol-d5	34		10 - 120
Terphenyl-d14	89		10 - 120

7/2/09 7/6/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-113**

Lab Sample ID: 220-9374-10
Client Matrix: Water

Date Sampled: 06/16/2009 1545
Date Received: 06/16/2009 1745

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 220-28389		Instrument ID:	MSZ
Preparation:	3510C	Prep Batch: 220-28181		Lab File ID:	Z11388.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1653			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 1002			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	0.17		0.10
Benzo[a]anthracene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Bis(2-ethylhexyl) phthalate	ND		0.50
Benzo[a]pyrene	ND		0.10
Hexachloroethane	ND		0.10
Hexachlorobenzene	ND		0.10
Pentachlorophenol	ND		1.0
Phenanthrene	0.34		0.20
Chrysene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
Fluorene-d10 (Surr)	104		53 - 120
Pyrene-d10	112		55 - 131
2,4-dichlorophenol-d3	96		38 - 120

7/8/09 7/10/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-113**

Lab Sample ID: 220-9374-10
Client Matrix: Water

Date Sampled: 06/16/2009 1545
Date Received: 06/16/2009 1745

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28311		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28197		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/19/2009 1637			Final Weight/Volume:	500 mL
Date Prepared:	06/18/2009 1337				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	26		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	ND		5.0
Copper	ND		5.0
Nickel	ND		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	ND		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28677		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28617		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2009 1126			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1033				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

VO 7/21/09 Dm 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: **MW-113**

Lab Sample ID: 220-9374-10
Client Matrix: *Water*

Date Sampled: 06/16/2009 1545
Date Received: 06/16/2009 1745

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND	UJ	ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1105
Prep Batch: 220-28561 Date Prepared: 06/26/2009 0950

VW 7/21/09 Jam 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-114**

Lab Sample ID: 220-9374-7
Client Matrix: Water

Date Sampled: 06/16/2009 1400
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6444.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1523		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1523			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	3.9	J	1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

7/24/09 7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-114**

Lab Sample ID: 220-9374-7
Client Matrix: Water

Date Sampled: 06/16/2009 1400
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6444.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1523		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1523			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	5.6		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		57 - 121
4-Bromofluorobenzene	103		57 - 121
Dibromofluoromethane	110		67 - 133
Toluene-d8 (Surr)	118		62 - 121

7/2/09 7/6/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-114**

Lab Sample ID: 220-9374-7
Client Matrix: Water

Date Sampled: 06/16/2009 1400
Date Received: 06/16/2009 1745

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5708.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1639			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		4.0
Aniline	ND		4.0
Anthracene	ND		4.0
Benzo[g,h,i]perylene	ND		4.0
Bis(2-chloroethyl)ether	ND		4.0
Bis(2-chloroethoxy)methane	ND		4.0
2,2'-oxybis[1-chloropropane]	ND		4.0
4-Bromophenyl phenyl ether	ND		4.0
Benzyl alcohol	ND		4.0
Butyl benzyl phthalate	ND		4.0
Carbazole	ND		4.0
4-Chloroaniline	ND	UJ ✓	4.0
4-Chloro-3-methylphenol	ND		5.0
2-Chloronaphthalene	ND		4.0
2-Chlorophenol	ND		4.0
4-Chlorophenyl phenyl ether	ND		4.0
Dibenzofuran	ND		4.0
3,3'-Dichlorobenzidine	ND		4.0
2,4-Dichlorophenol	ND		4.0
Diethyl phthalate	ND		4.0
2,4-Dimethylphenol	ND		4.0
Dimethyl phthalate	ND		4.0
Benzoic acid	~~ND~~	R ✓ –	50
Di-n-butyl phthalate	ND		4.0
4,6-Dinitro-2-methylphenol	ND		25
2,4-Dinitrophenol	ND		25
2,4-Dinitrotoluene	ND		4.0
2,6-Dinitrotoluene	ND		4.0
Di-n-octyl phthalate	ND		4.0
Fluoranthene	ND		4.0
Fluorene	ND		4.0
Hexachlorobutadiene	ND		4.0
Hexachlorocyclopentadiene	ND		4.0
Isophorone	ND		4.0
2-Methylnaphthalene	ND		4.0
2-Methylphenol	ND		4.0
4-Methylphenol	ND		4.0
Naphthalene	ND		4.0
2-Nitroaniline	ND		4.0
3-Nitroaniline	ND		4.0
4-Nitroaniline	ND		4.0
Nitrobenzene	ND		4.0
2-Nitrophenol	ND		4.0
4-Nitrophenol	ND		10
N-Nitrosodiphenylamine	ND		4.0
N-Nitrosodi-n-propylamine	ND		4.0

VO 7/21/09 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: MW-114

Lab Sample ID: 220-9374-7
Client Matrix: Water

Date Sampled: 06/16/2009 1400
Date Received: 06/16/2009 1745

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5708.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1639			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Pentachloronitrobenzene	ND		10
Phenol	ND		4.0
Pyrene	ND		4.0
Pyridine	ND		20
1,2,4,5-Tetrachlorobenzene	ND		10
1,2,4-Trichlorobenzene	ND		4.0
2,4,5-Trichlorophenol	ND		10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	108	E	36 - 120
2-Fluorobiphenyl	90		39 - 120
2-Fluorophenol	52		13 - 120
Nitrobenzene-d5	92		40 - 120
Phenol-d5	36		10 - 120
Terphenyl-d14	94		10 - 120

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-114**

Lab Sample ID: 220-9374-7
Client Matrix: Water

Date Sampled: 06/16/2009 1400
Date Received: 06/16/2009 1745

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 220-28389		Instrument ID:	MSZ
Preparation:	3510C	Prep Batch: 220-28181		Lab File ID:	Z11387.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1627			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 1002			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	0.13		0.10
Benzo[a]anthracene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Bis(2-ethylhexyl) phthalate	ND		0.50
Benzo[a]pyrene	ND		0.10
Hexachloroethane	ND		0.10
Hexachlorobenzene	ND		0.10
Pentachlorophenol	ND		1.0
Phenanthrene	0.63		0.20
Chrysene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
Fluorene-d10 (Surr)	105		53 - 120
Pyrene-d10	121		55 - 131
2,4-dichlorophenol-d3	102		38 - 120

7/21/09 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-114**

Lab Sample ID: 220-9374-7
Client Matrix: Water

Date Sampled: 06/16/2009 1400
Date Received: 06/16/2009 1745

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28311		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28197		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/19/2009 1620			Final Weight/Volume:	500 mL
Date Prepared:	06/18/2009 1337				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	110		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	ND		5.0
Copper	ND		5.0
Nickel	12		2.5
Lead	ND		2.5
Selenium	ND		6.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	ND		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28677		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28617		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	07/01/2009 1121			Final Weight/Volume:	50 mL
Date Prepared:	06/30/2009 1033				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

7/14/09 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: MW-114

Lab Sample ID: 220-9374-7
Client Matrix: Water

Date Sampled: 06/16/2009 1400
Date Received: 06/16/2009 1745

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND UJ*		ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1059
Prep Batch: 220-28561 Date Prepared: 06/26/2009 0950

VW 7/21/09 [illegible] 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-115**

Lab Sample ID: 220-9374-6
Client Matrix: Water

Date Sampled: 06/16/2009 1230
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28521	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6383.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/25/2009 1905		Final Weight/Volume:	5 mL
Date Prepared:	06/25/2009 1905			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	19	J	0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	1.3	J	0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	3.0	J	1.0
1,1-Dichloroethane	1.2	J	0.50
1,2-Dichloroethane	6.4	J	0.50
1,1-Dichloroethene	53	J	0.50
cis-1,2-Dichloroethene	0.75	J	0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND	UJ	0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	2.8	UJ	2.0
methyl isobutyl ketone	ND		2.0

7/21/09 7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-115**

Lab Sample ID: 220-9374-6
Client Matrix: Water

Date Sampled: 06/16/2009 1230
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28521	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6383.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/25/2009 1905		Final Weight/Volume:	5 mL
Date Prepared:	06/25/2009 1905			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	~~200~~ 180	~~E~~	0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	11	J	0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	14	J	0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	13	J	0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	130	X	57 - 121
4-Bromofluorobenzene	97		57 - 121
Dibromofluoromethane	117		67 - 133
Toluene-d8 (Surr)	103		62 - 121

7/21/09 7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-115**

Lab Sample ID: 220-9374-6
Client Matrix: *Water*

Date Sampled: 06/16/2009 1230
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595		Instrument ID:	MSW
Preparation:	5030B			Lab File ID:	W6443.D
Dilution:	2.0			*Initial Weight/Volume:*	5 mL
Date Analyzed:	06/29/2009 1458	Run Type: DL		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1458				

Analyte	Result (ug/L)	Qualifier	RL
Acetone	9.0		4.0
Acrylonitrile	ND		4.0
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		2.0
Bromodichloromethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
Methyl Ethyl Ketone	ND		4.0
Chlorobenzene	ND		1.0
Carbon disulfide	ND		1.0
Carbon tetrachloride	ND		1.0
Chloroethane	ND		2.0
Chloroform	15		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Dibromochloromethane	ND		1.0
1,2-Dibromo-3-Chloropropane	ND		1.0
1,2-Dibromoethane	ND		1.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	1.3		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
trans-1,4-Dichloro-2-butene	ND		2.0
Dichlorodifluoromethane	ND		2.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	4.7		1.0
1,1-Dichloroethene	48		1.0
cis-1,2-Dichloroethene	ND		1.0
trans-1,2-Dichloroethene	ND		1.0
1,2-Dichloropropane	ND		1.0
1,3-Dichloropropane	ND		1.0
2,2-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		1.0
cis-1,3-Dichloropropene	ND		1.0
trans-1,3-Dichloropropene	ND		1.0
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		4.0
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		4.0
methyl isobutyl ketone	ND		4.0

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-115**

Lab Sample ID: 220-9374-6
Client Matrix: Water

Date Sampled: 06/16/2009 1230
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6443.D
Dilution:	2.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1458	Run Type: DL	Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1458			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		1.0
Toluene	1.8		1.0
Tetrachloroethene	180		1.0
Tetrahydrofuran	ND		4.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	9.7		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	14		1.0
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	11		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		1.0
m&p-Xylene	5.0		2.0
o-Xylene	3.0		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		57 - 121
4-Bromofluorobenzene	92		57 - 121
Dibromofluoromethane	97		67 - 133
Toluene-d8 (Surr)	101		62 - 121

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-115**

Lab Sample ID: 220-9374-6
Client Matrix: Water

Date Sampled: 06/16/2009 1230
Date Received: 06/16/2009 1745

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5707.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1613			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		4.0
Aniline	ND		4.0
Anthracene	ND		4.0
Benzo[g,h,i]perylene	ND		4.0
Bis(2-chloroethyl)ether	ND		4.0
Bis(2-chloroethoxy)methane	ND		4.0
2,2'-oxybis[1-chloropropane]	ND		4.0
4-Bromophenyl phenyl ether	ND		4.0
Benzyl alcohol	ND		4.0
Butyl benzyl phthalate	ND		4.0
Carbazole	ND		4.0
4-Chloroaniline	ND	UJ	4.0
4-Chloro-3-methylphenol	ND		5.0
2-Chloronaphthalene	ND		4.0
2-Chlorophenol	ND		4.0
4-Chlorophenyl phenyl ether	ND		4.0
Dibenzofuran	ND		4.0
3,3'-Dichlorobenzidine	ND		4.0
2,4-Dichlorophenol	ND		4.0
Diethyl phthalate	ND		4.0
2,4-Dimethylphenol	ND		4.0
Dimethyl phthalate	ND		4.0
Benzoic acid	~~ND~~	R	50
Di-n-butyl phthalate	ND		4.0
4,6-Dinitro-2-methylphenol	ND		25
2,4-Dinitrophenol	ND		25
2,4-Dinitrotoluene	ND		4.0
2,6-Dinitrotoluene	ND		4.0
Di-n-octyl phthalate	ND		4.0
Fluoranthene	ND		4.0
Fluorene	ND		4.0
Hexachlorobutadiene	ND		4.0
Hexachlorocyclopentadiene	ND		4.0
Isophorone	ND		4.0
2-Methylnaphthalene	ND		4.0
2-Methylphenol	ND		4.0
4-Methylphenol	ND		4.0
Naphthalene	ND		4.0
2-Nitroaniline	ND		4.0
3-Nitroaniline	ND		4.0
4-Nitroaniline	ND		4.0
Nitrobenzene	ND		4.0
2-Nitrophenol	ND		4.0
4-Nitrophenol	ND		10
N-Nitrosodiphenylamine	ND		4.0
N-Nitrosodi-n-propylamine	ND		4.0

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-115**

Lab Sample ID: 220-9374-6
Client Matrix: Water

Date Sampled: 06/16/2009 1230
Date Received: 06/16/2009 1745

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5707.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1613			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Pentachloronitrobenzene	ND		10
Phenol	ND		4.0
Pyrene	ND		4.0
Pyridine	ND		20
1,2,4,5-Tetrachlorobenzene	ND		10
1,2,4-Trichlorobenzene	ND		4.0
2,4,5-Trichlorophenol	ND		10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	95		36 - 120
2-Fluorobiphenyl	78		39 - 120
2-Fluorophenol	46		13 - 120
Nitrobenzene-d5	83		40 - 120
Phenol-d5	31		10 - 120
Terphenyl-d14	92		10 - 120

7/2/09 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-115**

Lab Sample ID: 220-9374-6
Client Matrix: Water

Date Sampled: 06/16/2009 1230
Date Received: 06/16/2009 1745

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 220-28389		Instrument ID:	MSZ
Preparation:	3510C	Prep Batch: 220-28181		Lab File ID:	Z11386.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1601			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 1002			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	ND		0.10
Benzo[a]anthracene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Bis(2-ethylhexyl) phthalate	ND		0.50
Benzo[a]pyrene	ND		0.10
Hexachloroethane	ND		0.10
Hexachlorobenzene	ND		0.10
Pentachlorophenol	ND		1.0
Phenanthrene	ND		0.20
Chrysene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
Fluorene-d10 (Surr)	97		53 - 120
Pyrene-d10	112		55 - 131
2,4-dichlorophenol-d3	94		38 - 120

YW 7/21/09 DM 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-115**

Lab Sample ID: 220-9374-6
Client Matrix: Water

Date Sampled: 06/16/2009 1230
Date Received: 06/16/2009 1745

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28311		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28197		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/19/2009 1616			Final Weight/Volume:	500 mL
Date Prepared:	06/18/2009 1337				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	96		2.5
Beryllium	ND		2.5
Cadmium	5.4		2.5
Chromium	750		5.0
Copper	ND		5.0
Nickel	1400		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	ND		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28596		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28574		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	06/29/2009 1419			Final Weight/Volume:	50 mL
Date Prepared:	06/29/2009 1030				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

VO 7/2/09 PM 7/7/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: MW-115

Lab Sample ID: 220-9374-6
Client Matrix: Water

Date Sampled: 06/16/2009 1230
Date Received: 06/16/2009 1745

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND	U J	ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1058
Prep Batch: 220-28561 Date Prepared: 06/26/2009 0950

WO 7/21/09 JM 7/17/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-116S**

Lab Sample ID: 220-9374-1
Client Matrix: Water

Date Sampled: 06/16/2009 0925
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6437.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1226		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1226			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

7/8/09 7/14/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-116S**

Lab Sample ID: 220-9374-1
Client Matrix: Water

Date Sampled: 06/16/2009 0925
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6437.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1226		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1226			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	0.87		0.50
Tetrachloroethene	2.1		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		57 - 121
4-Bromofluorobenzene	102		57 - 121
Dibromofluoromethane	111		67 - 133
Toluene-d8 (Surr)	116		62 - 121

7/21/09 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-116S**

Lab Sample ID: 220-9374-1
Client Matrix: Water

Date Sampled: 06/16/2009 0925
Date Received: 06/16/2009 1745

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	*Analysis Batch:* 220-28285		*Instrument ID:*	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5704.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1454			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		4.0
Aniline	ND		4.0
Anthracene	ND		4.0
Benzo[g,h,i]perylene	ND		4.0
Bis(2-chloroethyl)ether	ND		4.0
Bis(2-chloroethoxy)methane	ND		4.0
2,2'-oxybis[1-chloropropane]	ND		4.0
4-Bromophenyl phenyl ether	ND		4.0
Benzyl alcohol	ND		4.0
Butyl benzyl phthalate	ND		4.0
Carbazole	ND		4.0
4-Chloroaniline	ND	UJ	4.0
4-Chloro-3-methylphenol	ND		5.0
2-Chloronaphthalene	ND		4.0
2-Chlorophenol	ND		4.0
4-Chlorophenyl phenyl ether	ND		4.0
Dibenzofuran	ND		4.0
3,3'-Dichlorobenzidine	ND		4.0
2,4-Dichlorophenol	ND		4.0
Diethyl phthalate	ND		4.0
2,4-Dimethylphenol	ND		4.0
Dimethyl phthalate	ND		4.0
Benzoic acid	~~ND~~	R	50
Di-n-butyl phthalate	ND		4.0
4,6-Dinitro-2-methylphenol	ND		25
2,4-Dinitrophenol	ND		25
2,4-Dinitrotoluene	ND		4.0
2,6-Dinitrotoluene	ND		4.0
Di-n-octyl phthalate	ND		4.0
Fluoranthene	ND		4.0
Fluorene	ND		4.0
Hexachlorobutadiene	ND		4.0
Hexachlorocyclopentadiene	ND		4.0
Isophorone	ND		4.0
2-Methylnaphthalene	ND		4.0
2-Methylphenol	ND		4.0
4-Methylphenol	ND		4.0
Naphthalene	ND		4.0
2-Nitroaniline	ND		4.0
3-Nitroaniline	ND		4.0
4-Nitroaniline	ND		4.0
Nitrobenzene	ND		4.0
2-Nitrophenol	ND		4.0
4-Nitrophenol	ND		10
N-Nitrosodiphenylamine	ND		4.0
N-Nitrosodi-n-propylamine	ND		4.0

7/21/09 7/16/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: MW-116S

Lab Sample ID: 220-9374-1
Client Matrix: Water

Date Sampled: 06/16/2009 0925
Date Received: 06/16/2009 1745

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5704.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1454			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Pentachloronitrobenzene	ND		10
Phenol	ND		4.0
Pyrene	ND		4.0
Pyridine	ND		20
1,2,4,5-Tetrachlorobenzene	ND		10
1,2,4-Trichlorobenzene	ND		4.0
2,4,5-Trichlorophenol	ND		10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	98		36 - 120
2-Fluorobiphenyl	72		39 - 120
2-Fluorophenol	42		13 - 120
Nitrobenzene-d5	73		40 - 120
Phenol-d5	28		10 - 120
Terphenyl-d14	90		10 - 120

7/6/09 7/6/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-116S**

Lab Sample ID: 220-9374-1
Client Matrix: Water

Date Sampled: 06/16/2009 0925
Date Received: 06/16/2009 1745

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 220-28389		Instrument ID:	MSZ
Preparation:	3510C	Prep Batch: 220-28181		Lab File ID:	Z11383.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1442			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 1002			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	ND		0.10
Benzo[a]anthracene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Bis(2-ethylhexyl) phthalate	ND		0.50
Benzo[a]pyrene	ND		0.10
Hexachloroethane	ND		0.10
Hexachlorobenzene	ND		0.10
Pentachlorophenol	ND		1.0
Phenanthrene	ND		0.20
Chrysene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
Fluorene-d10 (Surr)	87		53 - 120
Pyrene-d10	108		55 - 131
2,4-dichlorophenol-d3	77		38 - 120

7/2/09 7/10/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: MW-116S

Lab Sample ID: 220-9374-1
Client Matrix: Water

Date Sampled: 06/16/2009 0925
Date Received: 06/16/2009 1745

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28311		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28197		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/19/2009 1551			Final Weight/Volume:	500 mL
Date Prepared:	06/18/2009 1337				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	45		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	ND		5.0
Copper	ND		5.0
Nickel	ND		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	ND		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28596		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28574		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	06/29/2009 1411			Final Weight/Volume:	50 mL
Date Prepared:	06/29/2009 1030				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

7/2/09 7/7/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: **MW-116S**

Lab Sample ID: 220-9374-1
Client Matrix: Water

Date Sampled: 06/16/2009 0925
Date Received: 06/16/2009 1745

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND	UJ	ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1053
Prep Batch: 220-28561 Date Prepared: 06/26/2009 0950

7/2/09 7/7/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-116D**

Lab Sample ID: 220-9354-6
Client Matrix: Water

Date Sampled: 06/15/2009 1540
Date Received: 06/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28440	Instrument ID:	MSV
Preparation:	5030B		Lab File ID:	V4862.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/24/2009 2001		Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 2001			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND	UJ	0.50
Chloroethane	ND		1.0
Chloroform	1.5		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND	UJ	1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	2.0		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

7/22/09
7/24/09

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-116D**

Lab Sample ID: 220-9354-6
Client Matrix: Water

Date Sampled: 06/15/2009 1540
Date Received: 06/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28440	Instrument ID:	MSV
Preparation:	5030B		Lab File ID:	V4862.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/24/2009 2001		Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 2001			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	ND		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND	UJ ✓	0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND	UJ ✓	0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ ✓	0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	3.1		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		57 - 121
4-Bromofluorobenzene	72		57 - 121
Dibromofluoromethane	99		67 - 133
Toluene-d8 (Surr)	81		62 - 121

Jm 7/22/09

WJ 7/24/09

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: ***MW-116D***

Lab Sample ID: 220-9354-6
Client Matrix: Water

Date Sampled: 06/15/2009 1540
Date Received: 06/15/2009 1640

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28166	Instrument ID:	HP 6890/5975	
Preparation:	3510C	Prep Batch: 220-28061	Lab File ID:	A5652.D	
Dilution:	1.0		Initial Weight/Volume:	1000 mL	
Date Analyzed:	06/17/2009 2158		Final Weight/Volume:	1 mL	
Date Prepared:	06/16/2009 2118		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		4.0
Aniline	ND		4.0
Anthracene	ND		4.0
Benzo[g,h,i]perylene	ND		4.0
Bis(2-chloroethyl)ether	ND		4.0
Bis(2-chloroethoxy)methane	ND		4.0
2,2'-oxybis[1-chloropropane]	ND		4.0
4-Bromophenyl phenyl ether	ND		4.0
Benzyl alcohol	ND		4.0
Butyl benzyl phthalate	ND		4.0
Carbazole	ND		4.0
4-Chloroaniline	ND		4.0
4-Chloro-3-methylphenol	ND		5.0
2-Chloronaphthalene	ND		4.0
2-Chlorophenol	ND		4.0
4-Chlorophenyl phenyl ether	ND		4.0
Dibenzofuran	ND		4.0
3,3'-Dichlorobenzidine	ND		4.0
2,4-Dichlorophenol	ND		4.0
Diethyl phthalate	ND		4.0
2,4-Dimethylphenol	ND		4.0
Dimethyl phthalate	ND		4.0
Benzoic acid	~~ND~~ R	✓	50
Di-n-butyl phthalate	ND		4.0
4,6-Dinitro-2-methylphenol	ND		25
2,4-Dinitrophenol	ND		25
2,4-Dinitrotoluene	ND		4.0
2,6-Dinitrotoluene	ND		4.0
Di-n-octyl phthalate	ND		4.0
Fluoranthene	ND		4.0
Fluorene	ND		4.0
Hexachlorobutadiene	ND		4.0
Hexachlorocyclopentadiene	ND		4.0
Isophorone	ND		4.0
2-Methylnaphthalene	ND		4.0
2-Methylphenol	ND		4.0
4-Methylphenol	ND		4.0
Naphthalene	ND		4.0
2-Nitroaniline	ND		4.0
3-Nitroaniline	ND		4.0
4-Nitroaniline	ND		4.0
Nitrobenzene	ND		4.0
2-Nitrophenol	ND		4.0
4-Nitrophenol	ND		10

Dam 7/15/09
DKO 7/24/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: MW-116D

Lab Sample ID: 220-9354-6
Client Matrix: Water

Date Sampled: 06/15/2009 1540
Date Received: 06/15/2009 1640

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28166	Instrument ID:	HP 6890/5975	
Preparation:	3510C	Prep Batch: 220-28061	Lab File ID:	A5652.D	
Dilution:	1.0		Initial Weight/Volume:	1000 mL	
Date Analyzed:	06/17/2009 2158		Final Weight/Volume:	1 mL	
Date Prepared:	06/16/2009 2118		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosodiphenylamine	ND		4.0
N-Nitrosodi-n-propylamine	ND		4.0
Pentachloronitrobenzene	ND		10
Phenol	ND		4.0
Pyrene	ND		4.0
Pyridine	ND		20
1,2,4,5-Tetrachlorobenzene	ND		10
1,2,4-Trichlorobenzene	ND		4.0
2,4,5-Trichlorophenol	ND		10

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	77	36 - 120
2-Fluorobiphenyl	68	39 - 120
2-Fluorophenol	31	13 - 120
Nitrobenzene-d5	67	40 - 120
Phenol-d5	23	10 - 120
Terphenyl-d14	46	10 - 120

7/15/09

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: MW-116D

Lab Sample ID: 220-9354-6
Client Matrix: Water

Date Sampled: 06/15/2009 1540
Date Received: 06/15/2009 1640

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method: 8270C
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 06/18/2009 1515
Date Prepared: 06/16/2009 2141

Analysis Batch: 220-28249
Prep Batch: 220-28063

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Z11366.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	ND		0.10
Benzo[a]anthracene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Bis(2-ethylhexyl) phthalate	ND		0.50
Benzo[a]pyrene	ND		0.10
Hexachloroethane	ND		0.10
Hexachlorobenzene	ND		0.10
Pentachlorophenol	ND	UJ	1.0
Phenanthrene	ND		0.20
Chrysene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10

Surrogate	%Rec	Acceptance Limits
Fluorene-d10 (Surr)	101	53 - 120
Pyrene-d10	111	55 - 131
2,4-dichlorophenol-d3	86	38 - 120

dam 7/15/09
WO 7/24/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: MW-116D

Lab Sample ID: 220-9354-6
Client Matrix: Water

Date Sampled: 06/15/2009 1540
Date Received: 06/15/2009 1640

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 06/19/2009 1527
Date Prepared: 06/18/2009 1337

Analysis Batch: 220-28311
Prep Batch: 220-28197

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 500 mL

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	71		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	ND		5.0
Copper	5.4		5.0
Nickel	ND		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	ND		25
Tin	ND		15

7470A Mercury (CVAA)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 06/26/2009 1133
Date Prepared: 06/25/2009 1112

Analysis Batch: 220-28543
Prep Batch: 220-28489

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40 ✓

7/22/09
7/24/09

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-117S**

Lab Sample ID: 220-9354-3
Client Matrix: Water

Date Sampled: 06/15/2009 1245
Date Received: 06/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28440	Instrument ID:	MSV
Preparation:	5030B		Lab File ID:	V4859.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/24/2009 1846		Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 1846			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND	UJ	0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND	UJ	1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-117S**

Lab Sample ID: 220-9354-3
Client Matrix: Water

Date Sampled: 06/15/2009 1245
Date Received: 06/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28440	Instrument ID:	MSV
Preparation:	5030B		Lab File ID:	V4859.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/24/2009 1846		Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 1846			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	ND		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND	UJ	0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND	UJ	0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		57 - 121
4-Bromofluorobenzene	74		57 - 121
Dibromofluoromethane	97		67 - 133
Toluene-d8 (Surr)	83		62 - 121

Jam 7/22/09

7/24/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-117S**

Lab Sample ID: 220-9354-3
Client Matrix: Water

Date Sampled: 06/15/2009 1245
Date Received: 06/15/2009 1640

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28166	Instrument ID:	HP 6890/5975	
Preparation:	3510C	Prep Batch: 220-28061	Lab File ID:	A5650.D	
Dilution:	1.0		Initial Weight/Volume:	1000 mL	
Date Analyzed:	06/17/2009 2106		Final Weight/Volume:	1 mL	
Date Prepared:	06/16/2009 2118		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		4.0
Aniline	ND		4.0
Anthracene	ND		4.0
Benzo[g,h,i]perylene	ND		4.0
Bis(2-chloroethyl)ether	ND		4.0
Bis(2-chloroethoxy)methane	ND		4.0
2,2'-oxybis[1-chloropropane]	ND		4.0
4-Bromophenyl phenyl ether	ND		4.0
Benzyl alcohol	ND		4.0
Butyl benzyl phthalate	ND		4.0
Carbazole	ND		4.0
4-Chloroaniline	ND		4.0
4-Chloro-3-methylphenol	ND		5.0
2-Chloronaphthalene	ND		4.0
2-Chlorophenol	ND		4.0
4-Chlorophenyl phenyl ether	ND		4.0
Dibenzofuran	ND		4.0
3,3'-Dichlorobenzidine	ND		4.0
2,4-Dichlorophenol	ND		4.0
Diethyl phthalate	ND		4.0
2,4-Dimethylphenol	ND		4.0
Dimethyl phthalate	ND		4.0
Benzoic acid	~~ND~~ R	/ –	50
Di-n-butyl phthalate	ND		4.0
4,6-Dinitro-2-methylphenol	ND		25
2,4-Dinitrophenol	ND		25
2,4-Dinitrotoluene	ND		4.0
2,6-Dinitrotoluene	ND		4.0
Di-n-octyl phthalate	ND		4.0
Fluoranthene	ND		4.0
Fluorene	ND		4.0
Hexachlorobutadiene	ND		4.0
Hexachlorocyclopentadiene	ND		4.0
Isophorone	ND		4.0
2-Methylnaphthalene	ND		4.0
2-Methylphenol	ND		4.0
4-Methylphenol	ND		4.0
Naphthalene	ND		4.0
2-Nitroaniline	ND		4.0
3-Nitroaniline	ND		4.0
4-Nitroaniline	ND		4.0
Nitrobenzene	ND		4.0
2-Nitrophenol	ND		4.0
4-Nitrophenol	ND		10

JM 7/16/09
VW 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-117S**

Lab Sample ID: 220-9354-3
Client Matrix: Water

Date Sampled: 06/15/2009 1245
Date Received: 06/15/2009 1640

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28166	Instrument ID:	HP 6890/5975	
Preparation:	3510C	Prep Batch: 220-28061	Lab File ID:	A5650.D	
Dilution:	1.0		Initial Weight/Volume:	1000	mL
Date Analyzed:	06/17/2009 2106		Final Weight/Volume:	1	mL
Date Prepared:	06/16/2009 2118		Injection Volume:	1.0	uL

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosodiphenylamine	ND		4.0
N-Nitrosodi-n-propylamine	ND		4.0
Pentachloronitrobenzene	ND		10
Phenol	ND		4.0
Pyrene	ND		4.0
Pyridine	ND		20
1,2,4,5-Tetrachlorobenzene	ND		10
1,2,4-Trichlorobenzene	ND		4.0
2,4,5-Trichlorophenol	ND		10

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	80	36 - 120
2-Fluorobiphenyl	79	39 - 120
2-Fluorophenol	40	13 - 120
Nitrobenzene-d5	82	40 - 120
Phenol-d5	29	10 - 120
Terphenyl-d14	49	10 - 120

7/15/09
7/24/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-117S**

Lab Sample ID: 220-9354-3
Client Matrix: Water

Date Sampled: 06/15/2009 1245
Date Received: 06/15/2009 1640

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method: 8270C
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 06/18/2009 0023
Date Prepared: 06/16/2009 2141

Analysis Batch: 220-28193
Prep Batch: 220-28063

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Z11357.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	ND		0.10
Benzo[a]anthracene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Bis(2-ethylhexyl) phthalate	ND		0.50
Benzo[a]pyrene	ND		0.10
Hexachloroethane	ND		0.10
Hexachlorobenzene	ND		0.10
Pentachlorophenol	ND		1.0
Phenanthrene	ND		0.20
Chrysene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10

Surrogate	%Rec	Acceptance Limits
Fluorene-d10 (Surr)	90	53 - 120
Pyrene-d10	96	55 - 131
2,4-dichlorophenol-d3	78	38 - 120

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Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: MW-117S

Lab Sample ID: 220-9354-3
Client Matrix: Water

Date Sampled: 06/15/2009 1245
Date Received: 06/15/2009 1640

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 06/19/2009 1520
Date Prepared: 06/18/2009 1337

Analysis Batch: 220-28311
Prep Batch: 220-28197

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 500 mL

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	74		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	ND		5.0
Copper	ND		5.0
Nickel	ND		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	ND		25
Tin	ND		15

7470A Mercury (CVAA)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 06/26/2009 1131
Date Prepared: 06/25/2009 1112

Analysis Batch: 220-28543
Prep Batch: 220-28489

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

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Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-117D**

Lab Sample ID: 220-9354-4
Client Matrix: Water

Date Sampled: 06/15/2009 1415
Date Received: 06/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28440	Instrument ID:	MSV
Preparation:	5030B		Lab File ID:	V4860.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/24/2009 1911		Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 1911			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND	UJ	0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND	UJ	1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

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Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-117D**

Lab Sample ID: 220-9354-4
Client Matrix: Water

Date Sampled: 06/15/2009 1415
Date Received: 06/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28440	Instrument ID:	MSV
Preparation:	5030B		Lab File ID:	V4860.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/24/2009 1911		Final Weight/Volume:	5 mL
Date Prepared:	06/24/2009 1911			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	ND		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND	UJ	0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND	UJ	0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		57 - 121
4-Bromofluorobenzene	75		57 - 121
Dibromofluoromethane	98		67 - 133
Toluene-d8 (Surr)	81		62 - 121

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Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-117D**

Lab Sample ID: 220-9354-4
Client Matrix: Water

Date Sampled: 06/15/2009 1415
Date Received: 06/15/2009 1640

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28166	Instrument ID:	HP 6890/5975	
Preparation:	3510C	Prep Batch: 220-28061	Lab File ID:	A5651.D	
Dilution:	1.0		Initial Weight/Volume:	1000	mL
Date Analyzed:	06/17/2009 2132		Final Weight/Volume:	1	mL
Date Prepared:	06/16/2009 2118		Injection Volume:	1.0	uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		4.0
Aniline	ND		4.0
Anthracene	ND		4.0
Benzo[g,h,i]perylene	ND		4.0
Bis(2-chloroethyl)ether	ND		4.0
Bis(2-chloroethoxy)methane	ND		4.0
2,2'-oxybis[1-chloropropane]	ND		4.0
4-Bromophenyl phenyl ether	ND		4.0
Benzyl alcohol	ND		4.0
Butyl benzyl phthalate	ND		4.0
Carbazole	ND		4.0
4-Chloroaniline	ND		4.0
4-Chloro-3-methylphenol	ND		5.0
2-Chloronaphthalene	ND		4.0
2-Chlorophenol	ND		4.0
4-Chlorophenyl phenyl ether	ND		4.0
Dibenzofuran	ND		4.0
3,3'-Dichlorobenzidine	ND		4.0
2,4-Dichlorophenol	ND		4.0
Diethyl phthalate	ND		4.0
2,4-Dimethylphenol	ND		4.0
Dimethyl phthalate	ND		4.0
Benzoic acid	~~ND~~	R	50
Di-n-butyl phthalate	ND		4.0
4,6-Dinitro-2-methylphenol	ND		25
2,4-Dinitrophenol	ND		25
2,4-Dinitrotoluene	ND		4.0
2,6-Dinitrotoluene	ND		4.0
Di-n-octyl phthalate	ND		4.0
Fluoranthene	ND		4.0
Fluorene	ND		4.0
Hexachlorobutadiene	ND		4.0
Hexachlorocyclopentadiene	ND		4.0
Isophorone	ND		4.0
2-Methylnaphthalene	ND		4.0
2-Methylphenol	ND		4.0
4-Methylphenol	ND		4.0
Naphthalene	ND		4.0
2-Nitroaniline	ND		4.0
3-Nitroaniline	ND		4.0
4-Nitroaniline	ND		4.0
Nitrobenzene	ND		4.0
2-Nitrophenol	ND		4.0
4-Nitrophenol	ND		10

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: MW-117D

Lab Sample ID: 220-9354-4
Client Matrix: Water

Date Sampled: 06/15/2009 1415
Date Received: 06/15/2009 1640

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28166		Instrument ID:	HP 6890/5975
Preparation:	3510C	Prep Batch: 220-28061		Lab File ID:	A5651.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/17/2009 2132			Final Weight/Volume:	1 mL
Date Prepared:	06/16/2009 2118			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosodiphenylamine	ND		4.0
N-Nitrosodi-n-propylamine	ND		4.0
Pentachloronitrobenzene	ND		10
Phenol	ND		4.0
Pyrene	ND		4.0
Pyridine	ND		20
1,2,4,5-Tetrachlorobenzene	ND		10
1,2,4-Trichlorobenzene	ND		4.0
2,4,5-Trichlorophenol	ND		10

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	79	36 - 120
2-Fluorobiphenyl	76	39 - 120
2-Fluorophenol	40	13 - 120
Nitrobenzene-d5	81	40 - 120
Phenol-d5	29	10 - 120
Terphenyl-d14	48	10 - 120

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **MW-117D**

Lab Sample ID: 220-9354-4
Client Matrix: Water

Date Sampled: 06/15/2009 1415
Date Received: 06/15/2009 1640

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method: 8270C
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 06/18/2009 0049
Date Prepared: 06/16/2009 2141

Analysis Batch: 220-28193
Prep Batch: 220-28063

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Z11358.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	ND		0.10
Benzo[a]anthracene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Bis(2-ethylhexyl) phthalate	ND		0.50
Benzo[a]pyrene	ND		0.10
Hexachloroethane	ND		0.10
Hexachlorobenzene	ND		0.10
Pentachlorophenol	ND		1.0
Phenanthrene	ND		0.20
Chrysene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10

Surrogate	%Rec	Acceptance Limits
Fluorene-d10 (Surr)	90	53 - 120
Pyrene-d10	105	55 - 131
2,4-dichlorophenol-d3	82	38 - 120

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: MW-117D

Lab Sample ID: 220-9354-4
Client Matrix: Water

Date Sampled: 06/15/2009 1415
Date Received: 06/15/2009 1640

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 06/19/2009 1523
Date Prepared: 06/18/2009 1337

Analysis Batch: 220-28311
Prep Batch: 220-28197

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 500 mL

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	80		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	ND		5.0
Copper	ND		5.0
Nickel	ND		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	ND		25
Tin	ND		15

7470A Mercury (CVAA)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 06/26/2009 1132
Date Prepared: 06/25/2009 1112

Analysis Batch: 220-28543
Prep Batch: 220-28489

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

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General Chemistry

Client Sample ID: MW-109

Lab Sample ID: 220-9354-1
Client Matrix: Water

Date Sampled: 06/15/2009 1230
Date Received: 06/15/2009 1640

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		ug/L	10	1.0	9012B
	Anly Batch: 220-28400		Date Analyzed 06/23/2009 1309			
	Prep Batch: 220-28353		Date Prepared: 06/22/2009 1110			

Client Sample ID: MW-112

Lab Sample ID: 220-9354-2
Client Matrix: Water

Date Sampled: 06/15/2009 1430
Date Received: 06/15/2009 1640

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		ug/L	10	1.0	9012B
	Anly Batch: 220-28400		Date Analyzed 06/23/2009 1310			
	Prep Batch: 220-28353		Date Prepared: 06/22/2009 1110			

Client Sample ID: MW-117S

Lab Sample ID: 220-9354-3
Client Matrix: Water

Date Sampled: 06/15/2009 1245
Date Received: 06/15/2009 1640

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		ug/L	10	1.0	9012B
	Anly Batch: 220-28400		Date Analyzed 06/23/2009 1311			
	Prep Batch: 220-28353		Date Prepared: 06/22/2009 1110			

Client Sample ID: MW-117D

Lab Sample ID: 220-9354-4
Client Matrix: Water

Date Sampled: 06/15/2009 1415
Date Received: 06/15/2009 1640

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		ug/L	10	1.0	9012B
	Anly Batch: 220-28400		Date Analyzed 06/23/2009 1312			
	Prep Batch: 220-28353		Date Prepared: 06/22/2009 1110			

Client Sample ID: MW-116D

Lab Sample ID: 220-9354-6
Client Matrix: Water

Date Sampled: 06/15/2009 1540
Date Received: 06/15/2009 1640

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		ug/L	10	1.0	9012B
	Anly Batch: 220-28400		Date Analyzed 06/23/2009 1314			
	Prep Batch: 220-28353		Date Prepared: 06/22/2009 1110			

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-118S**

Lab Sample ID: 220-9374-2
Client Matrix: Water

Date Sampled: 06/16/2009 1115
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 06/25/2009 1607
Date Prepared: 06/25/2009 1607

Analysis Batch: 220-28521

Instrument ID: MSW
Lab File ID: W6376.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	0.99	J	0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND	UJ	1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND	UJ	0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-118S**

Lab Sample ID: 220-9374-2
Client Matrix: Water

Date Sampled: 06/16/2009 1115
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28521	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6376.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/25/2009 1607		Final Weight/Volume:	5 mL
Date Prepared:	06/25/2009 1607			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	5.1	J ✓	0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	1.1	J ✓	0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	128	X	57 - 121
4-Bromofluorobenzene	101		57 - 121
Dibromofluoromethane	115		67 - 133
Toluene-d8 (Surr)	112		62 - 121

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: MW-118S

Lab Sample ID: 220-9374-2
Client Matrix: Water

Date Sampled: 06/16/2009 1115
Date Received: 06/16/2009 1745

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5705.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1521			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		4.0
Aniline	ND		4.0
Anthracene	ND		4.0
Benzo[g,h,i]perylene	ND		4.0
Bis(2-chloroethyl)ether	ND		4.0
Bis(2-chloroethoxy)methane	ND		4.0
2,2'-oxybis[1-chloropropane]	ND		4.0
4-Bromophenyl phenyl ether	ND		4.0
Benzyl alcohol	ND		4.0
Butyl benzyl phthalate	ND		4.0
Carbazole	ND		4.0
4-Chloroaniline	ND	UJ	4.0
4-Chloro-3-methylphenol	ND		5.0
2-Chloronaphthalene	ND		4.0
2-Chlorophenol	ND		4.0
4-Chlorophenyl phenyl ether	ND		4.0
Dibenzofuran	ND		4.0
3,3'-Dichlorobenzidine	ND		4.0
2,4-Dichlorophenol	ND		4.0
Diethyl phthalate	ND		4.0
2,4-Dimethylphenol	ND		4.0
Dimethyl phthalate	ND		4.0
Benzoic acid	~~ND~~	R	50
Di-n-butyl phthalate	ND		4.0
4,6-Dinitro-2-methylphenol	ND		25
2,4-Dinitrophenol	ND		25
2,4-Dinitrotoluene	ND		4.0
2,6-Dinitrotoluene	ND		4.0
Di-n-octyl phthalate	ND		4.0
Fluoranthene	ND		4.0
Fluorene	ND		4.0
Hexachlorobutadiene	ND		4.0
Hexachlorocyclopentadiene	ND		4.0
Isophorone	ND		4.0
2-Methylnaphthalene	ND		4.0
2-Methylphenol	ND		4.0
4-Methylphenol	ND		4.0
Naphthalene	ND		4.0
2-Nitroaniline	ND		4.0
3-Nitroaniline	ND		4.0
4-Nitroaniline	ND		4.0
Nitrobenzene	ND		4.0
2-Nitrophenol	ND		4.0
4-Nitrophenol	ND		10
N-Nitrosodiphenylamine	ND		4.0
N-Nitrosodi-n-propylamine	ND		4.0

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-118S**

Lab Sample ID: 220-9374-2
Client Matrix: Water

Date Sampled: 06/16/2009 1115
Date Received: 06/16/2009 1745

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5705.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1521			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Pentachloronitrobenzene	ND		10
Phenol	ND		4.0
Pyrene	ND		4.0
Pyridine	ND		20
1,2,4,5-Tetrachlorobenzene	ND		10
1,2,4-Trichlorobenzene	ND		4.0
2,4,5-Trichlorophenol	ND		10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	97		36 - 120
2-Fluorobiphenyl	76		39 - 120
2-Fluorophenol	45		13 - 120
Nitrobenzene-d5	80		40 - 120
Phenol-d5	31		10 - 120
Terphenyl-d14	90		10 - 120

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-118S**

Lab Sample ID: 220-9374-2
Client Matrix: Water

Date Sampled: 06/16/2009 1115
Date Received: 06/16/2009 1745

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 220-28389		Instrument ID:	MSZ
Preparation:	3510C	Prep Batch: 220-28181		Lab File ID:	Z11384.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1508			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 1002			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	ND		0.10
Benzo[a]anthracene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Bis(2-ethylhexyl) phthalate	ND		0.50
Benzo[a]pyrene	ND		0.10
Hexachloroethane	ND		0.10
Hexachlorobenzene	ND		0.10
Pentachlorophenol	ND		1.0
Phenanthrene	0.30		0.20
Chrysene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
Fluorene-d10 (Surr)	93		53 - 120
Pyrene-d10	107		55 - 131
2,4-dichlorophenol-d3	92		38 - 120

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-118S**

Lab Sample ID: 220-9374-2
Client Matrix: Water

Date Sampled: 06/16/2009 1115
Date Received: 06/16/2009 1745

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28311		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28197		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/19/2009 1555			Final Weight/Volume:	500 mL
Date Prepared:	06/18/2009 1337				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	180		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	ND		5.0
Copper	ND		5.0
Nickel	ND		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	ND		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28596		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28574		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	06/29/2009 1412			Final Weight/Volume:	50 mL
Date Prepared:	06/29/2009 1030				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

General Chemistry

Client Sample ID: ***MW-118S***

Lab Sample ID: 220-9374-2
Client Matrix: Water

Date Sampled: 06/16/2009 1115
Date Received: 06/16/2009 1745

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND U J		ug/L	10	1.0	9012B

Analysis Batch: 220-28584 Date Analyzed: 06/29/2009 1056
Prep Batch: 220-28561 Date Prepared: 06/26/2009 0950

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-118D**

Lab Sample ID: 220-9374-3
Client Matrix: Water

Date Sampled: 06/16/2009 1305
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 06/29/2009 1317
Date Prepared: 06/29/2009 1317

Analysis Batch: 220-28595

Instrument ID: MSW
Lab File ID: W6439.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	7.7		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-118D**

Lab Sample ID: 220-9374-3
Client Matrix: Water

Date Sampled: 06/16/2009 1305
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28595	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6439.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/29/2009 1317		Final Weight/Volume:	5 mL
Date Prepared:	06/29/2009 1317			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	ND		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		57 - 121
4-Bromofluorobenzene	99		57 - 121
Dibromofluoromethane	111		67 - 133
Toluene-d8 (Surr)	115		62 - 121

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-118D**

Lab Sample ID: 220-9374-3
Client Matrix: Water

Date Sampled: 06/16/2009 1305
Date Received: 06/16/2009 1745

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5706.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1547			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	ND		4.0
Aniline	ND		4.0
Anthracene	ND		4.0
Benzo[g,h,i]perylene	ND		4.0
Bis(2-chloroethyl)ether	ND		4.0
Bis(2-chloroethoxy)methane	ND		4.0
2,2'-oxybis[1-chloropropane]	ND		4.0
4-Bromophenyl phenyl ether	ND		4.0
Benzyl alcohol	ND		4.0
Butyl benzyl phthalate	ND		4.0
Carbazole	ND		4.0
4-Chloroaniline	ND	UJ	4.0
4-Chloro-3-methylphenol	ND		5.0
2-Chloronaphthalene	ND		4.0
2-Chlorophenol	ND		4.0
4-Chlorophenyl phenyl ether	ND		4.0
Dibenzofuran	ND		4.0
3,3'-Dichlorobenzidine	ND		4.0
2,4-Dichlorophenol	ND		4.0
Diethyl phthalate	ND		4.0
2,4-Dimethylphenol	ND		4.0
Dimethyl phthalate	ND		4.0
Benzoic acid	~~ND~~	R	50
Di-n-butyl phthalate	ND		4.0
4,6-Dinitro-2-methylphenol	ND		25
2,4-Dinitrophenol	ND		25
2,4-Dinitrotoluene	ND		4.0
2,6-Dinitrotoluene	ND		4.0
Di-n-octyl phthalate	ND		4.0
Fluoranthene	ND		4.0
Fluorene	ND		4.0
Hexachlorobutadiene	ND		4.0
Hexachlorocyclopentadiene	ND		4.0
Isophorone	ND		4.0
2-Methylnaphthalene	ND		4.0
2-Methylphenol	ND		4.0
4-Methylphenol	ND		4.0
Naphthalene	ND		4.0
2-Nitroaniline	ND		4.0
3-Nitroaniline	ND		4.0
4-Nitroaniline	ND		4.0
Nitrobenzene	ND		4.0
2-Nitrophenol	ND		4.0
4-Nitrophenol	ND		10
N-Nitrosodiphenylamine	ND		4.0
N-Nitrosodi-n-propylamine	ND		4.0

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Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-118D**

Lab Sample ID: 220-9374-3
Client Matrix: Water

Date Sampled: 06/16/2009 1305
Date Received: 06/16/2009 1745

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-28285		Instrument ID:	MSA
Preparation:	3510C	Prep Batch: 220-28180		Lab File ID:	A5706.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1547			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 0956			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Pentachloronitrobenzene	ND		10
Phenol	ND		4.0
Pyrene	ND		4.0
Pyridine	ND		20
1,2,4,5-Tetrachlorobenzene	ND		10
1,2,4-Trichlorobenzene	ND		4.0
2,4,5-Trichlorophenol	ND		10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	97		36 - 120
2-Fluorobiphenyl	77		39 - 120
2-Fluorophenol	43		13 - 120
Nitrobenzene-d5	78		40 - 120
Phenol-d5	28		10 - 120
Terphenyl-d14	91		10 - 120

DW 7/2/09 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: MW-118D

Lab Sample ID: 220-9374-3
Client Matrix: Water

Date Sampled: 06/16/2009 1305
Date Received: 06/16/2009 1745

8270C Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C	Analysis Batch: 220-28389		Instrument ID:	MSZ
Preparation:	3510C	Prep Batch: 220-28181		Lab File ID:	Z11385.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	06/19/2009 1534			Final Weight/Volume:	1 mL
Date Prepared:	06/18/2009 1002			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthylene	ND		0.10
Benzo[a]anthracene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Bis(2-ethylhexyl) phthalate	ND		0.50
Benzo[a]pyrene	ND		0.10
Hexachloroethane	ND		0.10
Hexachlorobenzene	ND		0.10
Pentachlorophenol	ND		1.0
Phenanthrene	ND		0.20
Chrysene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
Fluorene-d10 (Surr)	99		53 - 120
Pyrene-d10	111		55 - 131
2,4-dichlorophenol-d3	89		38 - 120

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **MW-118D**

Lab Sample ID: 220-9374-3
Client Matrix: Water

Date Sampled: 06/16/2009 1305
Date Received: 06/16/2009 1745

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 220-28311		Instrument ID:	ICPMS
Preparation:	3010A	Prep Batch: 220-28197		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	100 mL
Date Analyzed:	06/19/2009 1609			Final Weight/Volume:	500 mL
Date Prepared:	06/18/2009 1337				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		4.0
Arsenic	ND		2.5
Barium	25		2.5
Beryllium	ND		2.5
Cadmium	ND		2.5
Chromium	ND		5.0
Copper	ND		5.0
Nickel	ND		2.5
Lead	ND		2.5
Selenium	ND		5.0
Thallium	ND		3.5
Silver	ND		2.5
Vanadium	ND		2.5
Zinc	ND		25
Tin	ND		15

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 220-28596		Instrument ID:	MERC1
Preparation:	7470A	Prep Batch: 220-28574		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	06/29/2009 1412			Final Weight/Volume:	50 mL
Date Prepared:	06/29/2009 1030				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		~~0.20~~ 0.40

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Client: GEI Consultants, Inc.

Job Number: 220-9374-2
Sdg Number: 220-9374

General Chemistry

Client Sample ID: **MW-118D**

Lab Sample ID: 220-9374-3
Client Matrix: Water

Date Sampled: 06/16/2009 1305
Date Received: 06/16/2009 1745

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	~~ND~~ R	~~H~~ ✓	ug/L	10	1.0	9012B

Analysis Batch: 220-29174 Date Analyzed: 07/20/2009 1133
Prep Batch: 220-29170 Date Prepared: 07/18/2009 1230

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7/24/09

Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **TB061509**

Lab Sample ID: 220-9354-5TB
Client Matrix: Water

Date Sampled: 06/15/2009 0000
Date Received: 06/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 06/24/2009 1936
Date Prepared: 06/24/2009 1936

Analysis Batch: 220-28440

Instrument ID: MSV
Lab File ID: V4861.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND	UJ	0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND	UJ	1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

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Client: GEI Consultants, Inc.

Job Number: 220-9354-1
Sdg Number: 220-9354

Client Sample ID: **TB061509**

Lab Sample ID: 220-9354-5TB
Client Matrix: Water

Date Sampled: 06/15/2009 0000
Date Received: 06/15/2009 1640

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28440	Instrument ID:	MSV
Preparation:	5030B		Lab File ID:	V4861.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	*06/24/2009 1936*		*Final Weight/Volume:*	5 mL
Date Prepared:	06/24/2009 1936			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	ND		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND	UJ	0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND	UJ	0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		57 - 121
4-Bromofluorobenzene	74		57 - 121
Dibromofluoromethane	97		67 - 133
Toluene-d8 (Surr)	83		62 - 121

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7/24/09

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **TB061609**

Lab Sample ID: 220-9374-11TB
Client Matrix: Water

Date Sampled: 06/16/2009 0000
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 06/25/2009 1723
Date Prepared: 06/25/2009 1723

Analysis Batch: 220-28521

Instrument ID: MSW
Lab File ID: W6379.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND	UJ	1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND	UJ	0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: **TB061609**

Lab Sample ID: 220-9374-11TB
Client Matrix: Water

Date Sampled: 06/16/2009 0000
Date Received: 06/16/2009 1745

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28521	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6379.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/25/2009 1723		Final Weight/Volume:	5 mL
Date Prepared:	06/25/2009 1723			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	ND		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121		57 - 121
4-Bromofluorobenzene	91		57 - 121
Dibromofluoromethane	108		67 - 133
Toluene-d8 (Surr)	101		62 - 121

7/24/09 7/16/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: *FB 6/18*

Lab Sample ID: 220-9374-24
Client Matrix: Water

Date Sampled: 06/18/2009 1400
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-28639	Instrument ID:	MSW
Preparation:	5030B		Lab File ID:	W6492.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/30/2009 1801		Final Weight/Volume:	5 mL
Date Prepared:	06/30/2009 1801			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		2.0
Acrylonitrile	ND		2.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		1.0
Bromodichloromethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
Methyl Ethyl Ketone	ND		2.0
Chlorobenzene	ND		0.50
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		0.50
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Dibromochloromethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		0.50
1,2-Dibromoethane	ND		0.50
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
1,3-Dichloropropane	ND		0.50
2,2-Dichloropropane	ND		0.50
1,1-Dichloropropene	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		0.50
2-Hexanone	ND		2.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
methyl isobutyl ketone	ND		2.0

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9374-1
Sdg Number: 220-9374

Client Sample ID: FB 6/18

Lab Sample ID: 220-9374-24
Client Matrix: Water

Date Sampled: 06/18/2009 1400
Date Received: 06/18/2009 1645

8260B Volatile Organic Compounds (GC/MS)

Method:	*8260B*	*Analysis Batch: 220-28639*	*Instrument ID:*	*MSW*
Preparation:	5030B		Lab File ID:	W6492.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	06/30/2009 1801		Final Weight/Volume:	5 mL
Date Prepared:	06/30/2009 1801			

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		0.50
N-Propylbenzene	ND		0.50
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Toluene	ND		0.50
Tetrachloroethene	ND		0.50
Tetrahydrofuran	ND		2.0
1,2,3-Trichlorobenzene	ND		0.50
1,2,4-Trichlorobenzene	ND		0.50
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		0.50
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
m&p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		57 - 121
4-Bromofluorobenzene	90		57 - 121
Dibromofluoromethane	110		67 - 133
Toluene-d8 (Surr)	108		62 - 121

WW 7/21/09 Dam 7/14/09

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-7217
Reviewer: Lorie MacKinnon/GEI Consultants
Date: February 11, 2008

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-1	220-7217-01	VOC, ETPH
SB-2	220-7217-02	VOC, ETPH
SB-3	220-7217-03	VOC, ETPH
SB-4	220-7217-04	VOC, ETPH
SB-5	220-7217-05	VOC, PCBs, ETPH

Associated QC Samples(s): Field Blanks: None associated
Field Duplicate pair: None associated

The above-listed soil samples were collected on November 12, 2008 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, polychlorinated biphenyls (PCBs) by SW-846 method 8082, and extractable total petroleum hydrocarbons (ETPH) by the CT method. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

*	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	•	Initial and Continuing Calibrations
	•	Blanks
	•	Surrogate Recoveries
*	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
	•	Laboratory Control Sample (LCS) Results
	•	Internal Standards
*	•	Moisture Content
NA	•	Field Duplicate Results
	•	Quantitation Limits and Data Assessment
*	•	Sample Quantitation and Compound Identification

* - All criteria were met.

NA – A field duplicate pair was not associated with this sample group.

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select VOC results which were below the lowest calibration standard and quantitation limit. These results were qualified as estimated (J). These results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The nondetect results for 1,2-dibromo-3-chloropropane, hexachlorobutadiene, naphthalene, and 1,2,3-trichlorobenzene in sample SB-3 were qualified as estimated (UJ) due to continuing calibration nonconformances. The direction of the bias cannot be determined from these nonconformances. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive results for methylene chloride in samples SB-3 and SB-4 were qualified as nondetect (U) at the quantitation limit due to laboratory blank contamination. These results can be used for project objectives as nondetects which may have a minor impact on the data usability.

- The positive and nondetect results for all VOC results, with the exception of acetone, cis-1,2-dichloroethene, bromobenzene, n-butylbenzene, sec-butylbenzene, tert-butylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-dichloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, trans-1,4-dichloro-2-butene, hexachlorobutadiene, isopropylbenzene, 4-isopropyltoluene, naphthalene, n-propylbenzene, 1,1,2,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2,4-tichlorobenzene, 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene in sample SB-3 were estimated (J/UJ) due to low surrogate recoveries. The results may be biased low. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive and nondetect results for bromobenzene, n-butylbenzene, sec-butylbenzene, tert-butylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-dichloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, trans-1,4-dichloro-2-butene, cis-1,2-dichloroethene, hexachlorobutadiene, isopropylbenzene, 4-isopropyltoluene, naphthalene, n-propylbenzene, 1,1,2,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2,4-tichlorobenzene, 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene in sample SB-1 and SB-2 and toluene, 1,1-dichloroacetone, tetrachloroethene, 4-methyl-2-pentanone, ethyl methacrylate, chlorodibromomethane, 1,3-dichloropropane, ethylene dibromide, n-butyl acetate, 2-hexanone, chlorobenzene, 1-

chlorohexane, ethylbenzene, 1,1,1,2-tetrachloroethane, m,p-xylene, o-xylene, styrene, and bromoform in sample SB-3 were qualified as estimated (J/UJ) due to low internal standard recoveries. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The nondetect results for 1,2-dibromo-3-chloropropane, hexachlorobutadiene, naphthalene, and 1,2,3-trichlorobenzene in sample SB-3 were qualified as estimated (UJ) due to low LCS recoveries. The results may be biased low. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive result for methyl ethyl ketone in sample SB-3 was qualified as estimated (J) as the result was greater than the calibration range. The result may be biased low. The result can be used for project objectives as an estimated value which may have a minor impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met in the VOC, PCB, and ETPH analyses.

GC/MS Tunes

All criteria were met in the VOC analyses.

Initial and Continuing Calibrations

PCBs and ETPH

All criteria were met.

VOC

Compounds that did not meet criteria in the VOC continuing calibrations are summarized in the following table.

Instrument ID MSV Compound	CC 11/24/08 11:55
Bromomethane	XX (41.0%)
1,2-Dichloroethane	XX (26.5%)
1,2-Dibromo-3-chloropropane	XX (34.0%)
Hexachlorobutadiene	XX (39.5%)
Naphthalene	XX (31.1%)
1,2,3-Trichlorobenzene	XX (36.3%)
Samples Affected	SB-3 Med

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (J) positive results.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The nondetect results for 1,2-dibromo-3-chloropropane, hexachlorobutadiene, naphthalene, and 1,2,3-trichlorobenzene in sample SB-3 were estimated (UJ) due to continuing calibration nonconformances.

Validation actions were not required for remaining compounds in sample SB-3 as they were reported from the low level analysis.

Blanks

A field blank sample was not associated with this sample set.

PCBs and ETPH

Target compounds were detected in the associated method blank samples.

VOC

Methylene chloride was detected in the associated method blank samples. The presence of blank contamination indicates that false positives may exist for this compound in the associated samples. Action Levels (ALs) were established at 10x (for common contaminants) and 5x (for other compounds) the concentrations detected. The following table lists the highest level of compounds detected in the VOC laboratory blanks.

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Methylene chloride	Low level Method	0.90 ug/kg	9.0 ug/kg	Low level sample analyses: SB-1, SB-2, SB-3, SB-4, SB-5
Methylene chloride	Medium Method	180 ug/kg	1800 ug/kg	SB-3 Medium level

The positive results for methylene chloride in samples SB-3 and SB-4 were qualified as nondetect (U) at the quantitation limit due to laboratory blank contamination.

Surrogate Recoveries

PCBs and ETPH

All criteria were met.

VOC

The following table lists the surrogates recovered outside of control limits and the resulting actions.

Sample Soil Limits	DBFM 60-130	DCE 49-134	Tol-d8 51-137	BFB 36-133	Validation actions
SB-1 RE	-	-	-	157%	Validation action was not required. The sample was reanalyzed with acceptable surrogate recoveries. The reanalysis was reported.
SB-3	44%	-	-	-	Estimate (J/UJ) all VOC results, with the exception of acetone, cis-1,2-dichloroethene, bromobenzene, n-butylbenzene, sec-butylbenzene, tert-butylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-dichloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, trans-1,4-dichloro-2-butene, hexachlorobutadiene, isopropylbenzene, 4-isopropyltoluene, naphthalene, n-propylbenzene, 1,1,2,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2,4-tichlorobenzene, 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene which were reported from the medium level analysis with acceptable surrogate recoveries.
SB-5 RE	-	-	165%	199%	Validation action was not required as the original analysis was reported with acceptable surrogate recoveries.

- Criteria met

MS/MSD Results

MS/MSDs were not associated with the VOC, PCB, and EPTH analyses. Validation action was not required on this basis.

Internal Standards

VOC

The following table lists the internal standards recovered outside of control limits and the resulting actions.

Sample Soil Limits	Internal Standard	Recovery (%)	Validation actions
SB-1 SB-1 RE	1,4-dichlorobenzene	37.1 35.2	The original analysis was reported. Estimate (J/UJ) the positive and nondetect results for bromobenzene, n-butylbenzene, sec-butylbenzene, tert-butylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-dichloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, trans-1,4-dichloro-2-butene, cis-1,2-dichloroethene, hexachlorobutadiene, isopropylbenzene, 4-isopropyltoluene, naphthalene, n-propylbenzene, 1,1,2,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2,4-tichlorobenzene, 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene in sample SB-1.
SB-2 SB-2 RE	1,4-dichlorobenzene	27.9 30.2	The reanalysis was reported. Estimate (J/UJ) the positive and nondetect results for bromobenzene, n-butylbenzene, sec-butylbenzene, tert-butylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-dichloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, trans-1,4-dichloro-2-butene, cis-1,2-dichloroethene, hexachlorobutadiene, isopropylbenzene, 4-isopropyltoluene, naphthalene, n-propylbenzene, 1,1,2,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2,4-tichlorobenzene, 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene in sample SB-2.
SB-3	1,4-dichlorobenzene	23.2	Validation actions were not required. As the affected nondetect results would be rejected due to IS recovery less than 25, these results were reported from the medium level analysis which exhibited acceptable IS areas.
	Chlorobenzene	47.8	Estimate (J/UJ) the positive and nondetect results for toluene, 1,1-dichloroacetone, tetrachloroethene, 4-methyl-2-pentanone, ethyl methacrylate, chlorodibromomethane, 1,3-dichloropropane, ethylene dibromide, n-butyl acetate, 2-hexanone, chlorobenzene, 1-chlorohexane, ethylbenzene, 1,1,1,2-tetrachloroethane, m,p-xylene, o-xylene, styrene, and bromoform in sample SB-3.

Sample Soil Limits	Internal Standard	Recovery (%)	Validation actions
SB-5 RE	1,4-dichlorobenzene	33.1	Validation actions were not required. The original analysis was reported which exhibited acceptable IS areas.

LCS Results

The following table lists the compounds recovered outside of control limits in the LCS VOC and SVOC analyses and the resulting actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Dichlorodifluoromethane	147	70-130	Low level analyses: SB-1, SB-2, SB-3, SB-4, SB-5	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Dichlorodifluoromethane	175	70-130	SB-3 Medium	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Methylene chloride	152	61-129		
1,2-Dibromo-3-chloropropane	61	70-130	SB-3 Medium	Estimate (UJ) the nondetect results for 1,2-dibromo-3-chloropropane, hexachlorobutadiene, naphthalene, and 1,2,3-trichlorobenzene in sample SB-3.
Hexachlorobutadiene	52			
Naphthalene	58			
1,2,3-Trichlorobenzene	51			

Moisture Content

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analyses. These results were estimated (J) by the laboratory.

The following table lists the sample dilutions and analyses which were performed and reported.

Sample	VOC Analysis Reported	ETPH Analysis Reported
SB-1	The sample was reanalyzed due to poor surrogate and/or internal standard recoveries. As matrix interference was confirmed in the reanalysis, the original analysis was reported.	A 5-fold dilution analysis was performed.
SB-2	The sample was reanalyzed due to poor surrogate and/or internal standard recoveries. The reanalysis results were reported as IS areas were slightly better.	A 10-fold dilution analysis was performed.
SB-3	Estimate (J) the over-calibrated result for methyl ethyl ketone in the low level analysis as the result was not detected in the medium level. Report result for acetone from the medium level analysis. Report the result for cis 1,2-dichloroethene from the medium level analysis as the result was not detected in the low level analysis. Report the results for bromobenzene, n-butylbenzene, sec-butylbenzene, tert-butylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-dichloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, trans-1,4-dichloro-2-butene, hexachlorobutadiene, isopropylbenzene, 4-isopropyltoluene, naphthalene, n-propylbenzene, 1,1,2,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2,4-tichlorobenzene, 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene from the medium level analysis as the results were rejected in the low level analysis due to poor IS area. Report the remaining results from the low level analysis.	A 50-fold dilution analysis was performed.
SB-4	NR	A 2-fold dilution analysis was performed.
SB-5	The sample was reanalyzed. The original results were reported as IS areas and surrogates were better.	A 10-fold dilution analysis was performed.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC, PCB, and ETPH analyses.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-7217
Reviewer: Lorie MacKinnon/GEI Consultants
Date: February 12, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-1	220-7217-01	Metals, Cyanide
SB-2	220-7217-02	Metals, Cyanide
SB-3	220-7217-03	Metals, Cyanide
SB-4	220-7217-04	Metals, Cyanide
SB-5	220-7217-05	TCLP Metals, Waste Characterization

Associated QC Samples(s): Field Blanks: None associated
Field Duplicate pair: None associated

The above-listed soil samples were collected on November 12, 2008 and were analyzed for select and TCLP metals by SW-846 methods 6010B/7470/7471A, cyanide by SW-846 method 9012B, and RCRA waste characterization analyses which included reactive cyanide by SW-846 method 9012C, reactive sulfide by SW-846 method 9034, ignitability and temperature by SW-846 method 1030, and pH by SW-846 method 9045C. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- * Overall Evaluation of Data and Potential Usability Issues
- * Data Completeness
- * Holding Times and Sample Preservation
- * Instrument Calibration
- * Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- * Laboratory Duplicate Results
- NA Field Duplicate Results
- * Laboratory Control Sample (LCS) Results
- Serial Dilution Results
- * Moisture Content
- Detection Limits Results
- * Sample Quantitation Results

* - All criteria were met for this parameter.

NA- A field duplicate pair was not associated with this sample group.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The positive result for selenium in sample SB-5 was qualified as nondetect (U) at the reporting limit due to laboratory blank contamination. The result is usable for project objectives as a nondetect which may have a minor effect on the data usability.

- The positive result for cobalt in samples SB-1, SB-2, and SB-3 were qualified as estimated (J) due to negative interference in the ICSA sample analysis. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

- The nondetect result for reactive sulfide in sample SB-5 was qualified as estimated (UJ) due to recovery in the MS analysis. The result may be biased low. The result is usable for project objectives as a nondetect with estimated quantitation limit which may have a minor effect on the data usability.

- Potential uncertainty exists for the following results which were detected above the method detection limit (MDL) but below the low calibration check standard:

Antimony:	SB-1, SB-2, SB-3
Beryllium:	SB-1, SB-2, SB-3, SB-4
Cadmium:	SB-3
Chromium:	SB-5
Selenium:	SB-1, SB-2, SB-3, SB-4
Silver:	SB-3
Cyanide:	SB-1, SB-2, SB-3, SB-4

  These results were qualified as estimated (J) and can be used for project objectives as estimated values which may have a minor effect on the data usability.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met

CRQL Standard Recoveries

All criteria were met.

Blank Results

A field blank sample was not associated with this sample group.

Analytes were detected in the metals laboratory blank samples. Analytes which were detected in the project samples at levels less than five times those in the blanks were qualified as nondetect (U). The following table summarizes the contamination.

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Selenium	Leachate Blank	SB-5	0.027 mg/L	0.13 mg/L
Copper	Instrument Blank	SB-1, SB-2, SB-3, SB-4	1.4 ug/L, 0.28 mg/kg	1.4 mg/kg

Blank Actions

If the sample result is < QL and < action level; report the result as nondetect (U) at the QL.
If the sample result is ≥ QL and < action level; report the sample result as nondetect (U) at the reported value.
For negative blank contamination ≥2 MDL; professional judgement was taken to estimate (J/UJ) those results which were less than the action level.

The positive result for selenium in sample SB-5 was qualified as nondetect (U) at the reporting limit.

ICP ICS Results

All analytes were recovered within control limits in the ICSAB sample analysis.

Positive results for barium, chromium, lead, and vanadium and negative results for cobalt and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with samples SB-1, SB-2, SB-3, and SB-4. Positive results for chromium were detected above the method detection limit (MDL) in the ICSA solution analysis associated with the TCLP sample SB-5. Sample interferent levels were reviewed. Iron was present in samples SB-1 (162%), SB-2 (183%), and SB-3 (439%) at similar or greater levels to that of the ICSA solution. The following table lists the estimated interferences and resulting validation actions.

Sample	Analyte	Sample Result (ug/L)	Estimated Interference (ug/L)	Actions
SB-1	Barium	357	1.9	Interference was <10%; No action taken.
	Cobalt	40.4	-4.9	Estimate (J) the positive result for cobalt
	Chromium	1362	2.4	Interference was <10%; No action taken.
	Lead	2940	4.2	Interference was <10%; No action taken.
	Vanadium	95.6	1.6	Interference was <10%; No action taken.
	Zinc	1135	-17.3	Interference was <10%; No action taken.
SB-2	Barium	672	2.2	Interference was <10%; No action taken.
	Cobalt	39	-5.5	Estimate (J) the positive result for cobalt
	Chromium	1331	2.7	Interference was <10%; No action taken.
	Lead	4160	4.8	Interference was <10%; No action taken.
	Vanadium	83.2	1.8	Interference was <10%; No action taken.
	Zinc	810	-19.6	Interference was <10%; No action taken.
SB3	Barium	365	5.3	Interference was <10%; No action taken.
	Cobalt	69	-13.2	Estimate (J) the positive result for cobalt
	Chromium	8934	6.6	Interference was <10%; No action taken.
	Lead	3358	11.4	Interference was <10%; No action taken.
	Vanadium	129	4.3	Interference was <10%; No action taken.
	Zinc	576	-47.0	Interference was <10%; No action taken.

MS Results

The laboratory performed the MS on sample SB-1 for mercury and total cyanide and on sample SB-5 for reactive cyanide and sulfide. An MS analysis was not associated with the ICP metals analyses. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS and the resulting validation actions.

Analyte	MS Sample	Recovery (%)	Actions
Reactive sulfide	SB-5	60	Estimate (UJ) the nondetect result for reactive sulfide in sample SB-5.

Laboratory Duplicate Results

The laboratory performed the duplicate analysis on sample SB-1 for mercury and total cyanide and sample SB-5 for reactive cyanide and sulfide. A duplicate analysis was not associated with the ICP metals analyses. All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was not associated with this sample group. Validation action was not taken on this basis.

Detection Limits Results

Positive results which were above the MDL but below the reporting limit were reported by the laboratory with a "J" qualifier. These results were qualified as estimated (J) due to uncertainty at the low end of calibration. However, the low level calibration check standard analyzed was less than the laboratory reporting limit for mercury, arsenic, beryllium, cadmium, chromium, lead, selenium, silver, thallium, and zinc. The low level calibration check standard analyzed was greater than the laboratory RL for antimony, barium, cobalt, nickel, and vanadium. As analysis of the low level standard demonstrates the accuracy at that level, only results which were above the method detection limit (MDL) but below the low level calibration check standard were estimated (J) by the validator. The following results were affected:

Antimony:	SB-1, SB-2, SB-3
Beryllium:	SB-1, SB-2, SB-3, SB-4
Cadmium:	SB-3
Chromium:	SB-5
Selenium:	SB-1, SB-2, SB-3, SB-4
Silver:	SB-3
Cyanide:	SB-1, SB-2, SB-3, SB-4

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Site:	MacDermid Project, Waterbury, CT
Laboratory:	Test America, Shelton, CT
Report No.:	220-7267
Reviewer:	Lorie MacKinnon/GEI Consultants
Date:	February 11, 2008

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-6	220-7267-01	VOC, ETPH, PCBs
SB-7	220-7267-02	VOC, ETPH
SB-10	220-7267-03	VOC, ETPH
SB-12	220-7267-04	VOC, ETPH
SB-15	220-7267-05	VOC, ETPH
SB-17	220-7267-06	VOC, ETPH
SB-19	220-7267-07	VOC, ETPH, PCBs

Associated QC Samples(s): Field Blanks: None associated
Field Duplicate pair: None associated

The above-listed soil samples were collected on November 17, 2008 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, polychlorinated biphenyls (PCBs) by SW-846 method 8082, and extractable total petroleum hydrocarbons (ETPH) by the CT method. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

*	•	Data Completeness
	•	Holding Times and Sample Preservation
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	•	Initial and Continuing Calibrations
	•	Blanks
	•	Surrogate Recoveries
	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
	•	Laboratory Control Sample (LCS) Results
	•	Internal Standards
*	•	Moisture Content
NA	•	Field Duplicate Results
	•	Quantitation Limits and Data Assessment
*	•	Sample Quantitation and Compound Identification

* - All criteria were met.

NA – A field duplicate pair was not associated with this sample group.

All results are usable for project objectives with the exception of dichlorodifluoromethane in all samples which were rejected due to percent difference greater than 90.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select VOC results which were below the lowest calibration standard and quantitation limit. These results were qualified as estimated (J). These results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The positive results for ETPH in samples SB-6 and SB-19 were estimated (J) due to an exceedance in holding time. The results may be biased low. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The positive and nondetect results for ETPH in samples SB-6 and SB-19 and n-butylbenzene in all samples were qualified as estimated (J/UJ) due to continuing calibration nonconformances. The direction of the bias cannot be determined from these nonconformances. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The nondetect results for dichlorodifluoromethane in all samples were rejected (R) due to continuing calibration %D greater than 90. The results are not usable for project objectives which may have a major impact on the data usability.

- The positive result for methylene chloride in sample SB-6 was qualified as nondetect (U) at the quantitation limit due to laboratory blank contamination. The results can be used for project objectives as a nondetect which may have a minor impact on the data usability.

- The positive results for Aroclor 1242, Aroclor 1254, and Aroclor 1260 in sample SB-19 and ETPH in samples SB-6 and SB-19 were estimated (J) due to high surrogate recoveries. The results may be biased high. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The positive and nondetect results for bromobenzene, n-butylbenzene, sec-butylbenzene, tert-butylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-dichloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, trans-1,4-dichloro-2-butene, cis-1,2-dichloroethene, hexachlorobutadiene, isopropylbenzene, 4-isopropyltoluene,

naphthalene, n-propylbenzene, 1,1,2,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2,4-tichlorobenzene, 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene in sample SB-6 were qualified as estimated (J/UJ) due to low internal standard recovery. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive result for Aroclor 1260 in sample SB-19 and Aroclor 1242 and Aroclor 1254 in sample SB-6 were qualified as estimated (J) due to high dual column percent differences (%Ds). The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

VOC and PCBs

All criteria were met in the VOC and PCB analyses.

ETPH

The extraction for samples SB-6 and SB-19 took place 14 days outside of the holding time. The positive results for ETPH in samples SB-6 and SB-19 were estimated (J).

GC/MS Tunes

All criteria were met in the VOC analyses.

Initial and Continuing Calibrations

ETPH

The percent difference (%D) for EPTH (15.5%) exceeded the control limit in the continuing calibration standard associated with samples SB-6 and SB-19. The positive results for ETPH in samples SB-6 and SB-9 were estimated (J).

PCBs

All criteria were met.

VOC

Compounds that did not meet criteria in the VOC continuing calibrations are summarized in the following table.

Instrument ID **MSO** ***Compound***	**CC** **11/23/08 13:52**
Dichlorodifluoromethane	XX (100.0%)
n-Butylbenzene	XX (46.1%)
Samples Affected	Low level analyses: SB-6, SB-7, SB-10, SB-12, SB-15, SB-17, and SB-19

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (J) positive results.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The nondetect results for n-butylbenzene in all samples were estimated (UJ) due to continuing calibration nonconformances. The nondetect results for dichlorodifluoromethane in all samples were rejected (R) due to %D greater than 90.

Blanks

A field blank sample was not associated with this sample set.

PCBs and ETPH

Target compounds were not detected in the associated method blank samples.

VOC

Methylene chloride and acetone were detected below the MDL in the associated method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at 10x (for common contaminants) and 5x (for other compounds) the concentrations detected. The following table lists the highest level of compounds detected in the VOC laboratory blanks.

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Methylene chloride	Low level Method	0.69 ug/kg	6.9 ug/kg	All low level sample analyses
Acetone	Medium Method	110 ug/kg	1100 ug/kg	SB-6 Med
Methylene chloride	Medium Method	67 ug/kg	670 ug/kg	SB-6 Med

The positive result for methylene chloride in sample SB-6 was qualified as nondetect (U) at the quantitation limit due to laboratory blank contamination.

Surrogate Recoveries

VOC

All criteria were met.

PCBs

The following table lists the surrogates recovered outside of control limits and the resulting actions.

Sample Soil Limits	TCX1 24-154	TCX2 24-154	DCB1 25-159	DCB1 25-159	Validation actions
SB-6 (2-fold)	298%	-	-	-	Validation action was not required as the surrogate recovery was within control limits in the alternate column.
SB-19 (5-fold)	177%	157%	-	966%	Estimate (J) the positive results for Aroclor 1242, Aroclor 1254, and Aroclor 1260 in sample SB-19.

- Criteria met

ETPH

The following table lists the surrogates recovered outside of control limits and the resulting actions.

Sample Soil Limits	OTPH 50-150	Validation actions
SB-6 (5-fold)	158%	Estimate (J) the positive result for ETPH in sample SB-6.

Sample Soil Limits	OTPH 50-150	Validation actions
SB-19 (5-fold)	166%	*Estimate (J) the positive result for ETPH in sample SB-19.*

- Criteria met

MS/MSD Results

MS/MSDs were not associated with the VOC, PCB, and EPTH analyses. Validation action was not required on this basis.

Internal Standards

The following table lists the internal standards recovered outside of control limits and the resulting actions.

Sample	Internal Standard	Recovery (%)	Validation actions
SB-6	1,4-dichlorobenzene	35.5	*Estimate (J/UJ) the positive and nondetect results for* bromobenzene, n-butylbenzene, sec-butylbenzene, tert-butylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-dichloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, trans-1,4-dichloro-2-butene, cis-1,2-dichloroethene, hexachlorobutadiene, isopropylbenzene, 4-isopropyltoluene, naphthalene, n-propylbenzene, 1,1,2,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2,4-tichlorobenzene, 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene in sample SB-6.

LCS Results

The following table lists the compounds recovered outside of control limits in the LCS VOC and SVOC analyses and the resulting actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Dichlorodifluoromethane	146	70-130	Low level analyses	Validation actions were not required as the affected results were previously rejected due to calibration nonconformances.

Moisture Content

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analyses. These results were estimated (J) by the laboratory.

The following table lists the sample dilutions and analyses which were performed and reported.

Sample	VOC Analysis Reported	PCB Analysis Reported	ETPH Analysis Reported
SB-6	Report the results for chlorobenzene, ethylbenzene, trichloroethene, tetrachloroethene, and m,p-xylene from the medium level analysis as results were greater than those in the low level analysis.	Due to high levels of target compounds, a 2-fold dilution analysis was performed.	A 5-fold dilution analysis was performed.
SB-15	A reduced sample weight (3.0 grams instead of 5) was used in the analysis. QLs were elevated accordingly.	NR	NR
SB-17	A reduced sample weight (3.55 grams instead of 5) was used in the analysis. QLs were elevated accordingly.	NR	NR
SB-19	A reduced sample weight (1.92 grams instead of 5) was used in the analysis. QLs were elevated accordingly.	Due to high levels of target compounds, a 5-fold dilution analysis was performed.	A 5-fold dilution analysis was performed.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC, PCB, and ETPH analyses.

PCBs

The dual column RPDs exceeded the recommended control limit of 25% for Aroclor 1242 (36.8%) and Aroclor 1254 (48.7%) in sample SB-6 and Aroclor 1260 (58.7%) in sample SB-19. These positive results were estimated (J).

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-7267
Reviewer: Lorie MacKinnon/GEI Consultants
Date: February 12, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-6	220-7267-01	TCLP Metals, Waste Characterization
SB-7	220-7267-02	Metals, Cyanide
SB-10	220-7267-03	Metals, Cyanide
SB-12	220-7267-04	Metals, Cyanide
SB-15	220-7267-05	Metals, Cyanide
SB-17	220-7267-06	Metals, Cyanide
SB-19	220-7267-07	TCLP Metals, Waste Characterization

Associated QC Samples(s): Field Blanks: None associated
Field Duplicate pair: None associated

The above-listed soil samples were collected on November 17, 2008 and were analyzed for select and TCLP metals by SW-846 methods 6010B/7470/7471A, cyanide by SW-846 method 9012B, and RCRA waste characterization analyses which included reactive cyanide by SW-846 method 9012C, reactive sulfide by SW-846 method 9034, ignitability and temperature by SW-846 method 1030, and pH by SW-846 method 9045C. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

* • Overall Evaluation of Data and Potential Usability Issues
* • Data Completeness
* • Holding Times and Sample Preservation
* • Instrument Calibration
* • Contract Required Quantitation Limit (CRQL) Standard Recoveries
* • Blank Analysis Results
• Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
• Laboratory Duplicate Results
NA • Field Duplicate Results
* • Laboratory Control Sample (LCS) Results
• Serial Dilution Results
* • Moisture Content
• Detection Limits Results

* • Sample Quantitation Results

* - All criteria were met for this parameter.

NA- A field duplicate pair was not associated with this sample group.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for the following results which were detected above the method detection limit (MDL) but below the low calibration check standard:

Antimony:	SB-17
Arsenic:	SB-7, SB-10, SB-15, SB-17
Beryllium:	SB-7, SB-10, SB-12, SB-15, SB-17
Lead:	SB-6, SB-19
Mercury:	SB-7
Selenium:	SB-10, SB-12, SB-17
Silver:	SB-15, SB-17
Cyanide:	SB-15

  These results were qualified as estimated (J) and can be used for project objectives as estimated values which may have a minor effect on the data usability.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met

CRQL Standard Recoveries

All criteria were met.

Blank Results

A field blank sample was not associated with this sample group.

Analytes were not detected in the metals laboratory and instrument blank samples.

ICP ICS Results

All analytes were recovered within control limits in the ICSAB sample analysis.

Positive results for chromium and negative results for selenium were detected above the method detection limit (MDL) in the ICSA solution analysis associated with samples SB-6, SB-19, and SB-7. Positive results for barium and vanadium and negative results for cobalt and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with the samples SB-10, SB-12, SB-15, and SB-17. Sample interferents levels were reviewed. Validation actions were not required as sample interferent levels were less than those of the ICSA sample.

MS Results

A matrix spike analysis was not associated with this sample group. Validation action was not taken on this basis.

Laboratory Duplicate Results

A duplicate analysis was not associated with this sample group. Validation action was not taken on this basis.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was not associated with this sample group. Validation action was not taken on this basis.

Detection Limits Results

Due to the high levels of mercury, sample SB-12 (5-fold) and SB-17 (10-fold) were analyzed at dilutions. Due to the high level of copper, sample SB-12 was analyzed at a 5-

fold dilution. Due to the high level of cyanide, sample SB-17 was analyzed at a 10-fold dilution.

Positive results which were above the MDL but below the reporting limit were reported by the laboratory with a "J" qualifier. These results were qualified as estimated (J) due to uncertainty at the low end of calibration. However, the low level calibration check standard analyzed was less than the laboratory reporting limit for mercury, arsenic, beryllium, cadmium, chromium, lead, selenium, silver, thallium, and zinc. The low level calibration check standard analyzed was greater than the laboratory RL for antimony, barium, cobalt, nickel, and vanadium. As analysis of the low level standard demonstrates the accuracy at that level, only results which were above the method detection limit (MDL) but below the low level calibration check standard were estimated (J) by the validator. The following results were affected:

Antimony:	SB-17
Arsenic:	SB-7, SB-10, SB-15, SB-17
Beryllium:	SB-7, SB-10, SB-12, SB-15, SB-17
Lead:	SB-6, SB-19
Mercury:	SB-7
Selenium:	SB-10, SB-12, SB-17
Silver:	SB-15, SB-17
Cyanide:	SB-15

As the following results reported were greater than the lowest calibration standard or low level calibration check standard, the validator removed the "J" qualifiers: antimony in sample SB-12, lead in sample SB-7, and cadmium in sample SB-17.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-7408
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-21 (8-10)	220-7408-01	VOC, ETPH
SB-22 (9-10)	220-7408-02	VOC, ETPH
SB-24 (10-11)	220-7408-03	VOC, ETPH
SB-25 (15-16)	220-7408-04	VOC, ETPH, PCBs
SB-27 (5-6)	220-7408-05	VOC, ETPH
SB/MW-32 (40)	220-7408-06	VOC, ETPH
SB-33 (2-3)	220-7408-07	VOC, ETPH
SB-34 (14-15)	220-7408-08	VOC, ETPH
SB-35 (5-6)	220-7408-09	VOC, ETPH
SB-37 (3.5-4.5)	220-7408-10	VOC, ETPH
SB-38 (7-9)	220-7408-11	VOC, ETPH
SB-39 (8-9)	220-7408-12	VOC, ETPH
SB-41 (7-8)	220-7408-13	VOC, ETPH
SB-43 (10-12)	220-7408-14	VOC, ETPH
SB-44 (7-8)	220-7408-15	VOC, ETPH
SB-44 (14-15)	220-7408-16	VOC, ETPH
DRUM	220-7408-17	VOC, ETPH, PCBs

Associated QC Samples(s):	Field Blanks:	None associated
	Field Duplicate pair:	None associated

The above-listed soil samples were collected on December 1, 2, 3, 4, and 5, 2008 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B and semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

* • Data Completeness
  • Holding Times and Sample Preservation
* • Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
  • Initial and Continuing Calibrations

	•	Blanks
	•	Surrogate Recoveries
	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
	•	Laboratory Control Sample (LCS) Results
	•	Internal Standards
*	•	Moisture Content
NA	•	Field Duplicate Results
	•	Quantitation Limits and Data Assessment
*	•	Sample Quantitation and Compound Identification

* - All criteria were met.

NA – A field duplicate pair was not associated with this sample group.

All results are usable for project objectives with the exception of bromobenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-chloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, trans-1,4-dichloro-2-butene, hexachlorobutadiene, 1,1,2,2-tetrachloroethene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, and 1,2,3-trichloropropane in sample SB-33 (2-3) which were rejected due to internal standard less than 25.

Qualifications applied to the data as a result of sampling error are discussed below.

- The positive and nondetect results for VOC samples SB-21 (8-10), SB-22 (9-10), SB-24 (10-11), SB-25 (15-16), SB-27 (5-6), SB/MW-32 (40), SB-33 (2-3), SB-34 (14-15), and SB-35 (5-6) were qualified as estimated (J/UJ) as the samples were received at the laboratory outside of holding time. The results may be biased low. These results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- The positive results for 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene in sample SB-44 (7-8) were qualified as estimated (J) due to exceedance in holding time. The results may be biased low. These results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The positive and nondetect results for n-butylbenzene in samples SB-21 (8-10), SB-22 (9-10), SB-24 (10-11), SB-25 (15-16), SB-27 (5-6), SB/MW-32 (40), SB-33 (2-3), SB-34 (14-15), and SB-35 (5-6), bromomethane, and tetrahydrofuran in samples SB-37 (3.5-4.5), SB-38 (7-9), SB-39 (8-9), SB-41 (7-8), and SB-43 (10-12), n-butylbenzene in samples SB-37 (3.5-4.5), SB-38 (7-9), and SB-41 (7-8), chloromethane, bromomethane, acetone, acrylonitrile, tetrahydrofuran, methyl ethyl ketone, and n-butylbenzene in sample SB-44 (7-8), acetone and methyl ethyl ketone in sample DRUM, acrylonitrile and tetrahydrofuran in sample SB-44 (14-15), 1,2,3-trichlorobenzene in sample SB-44 (7-8),

bromomethane and chloroethane in samples SB-21 (8-10), SB-25 (15-16), and SB-39 (8-9), naphthalene in samples SB-44 (7-8) and SB-43 (10-12), and hexchlorbutadiene and naphthalene in sample DRUM were qualified as estimated (J/UJ) due to continuing calibration nonconformances. The direction of the bias cannot be determined from these nonconformances. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The nondetect result for hexachlorobutadiene in sample DRUM was qualified as estimated (UJ) due to low recovery in the LCS. The result may be biased low. The result can be used for project objectives as nondetect with estimated quantitation limit which may have a minor impact on the data usability.

- The positive results for acetone, benzene, n-butylbenzene, sec-butylbenzene, methyl ethyl ketone, carbon disulfide, ethylbenzene, isopropylbenzene, 4-isopropyltoluene, naphthalene, n-propylbenzene, toluene, 1,2,4-trimethylbenzene,1,3,5-trimethylbenzene, m,p-xylene, and o-xylene in sample SB-33 (2-3), acetone, methyl ethyl ketone, naphthalene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene in sample SB-41 (7-8), and Aroclor 1254 and Aroclor 1260 in sample DRUM were qualified as estimated (J) due to high surrogate recoveries. The results may be biased high. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The positive and nondetect results for acetone, sec-butylbenzene, methyl ethyl ketone, carbon disulfide, 1,4-dichlorobenzene, isopropylbenzene, naphthalene, n-propylbenzene, tetrachloroethene, m,p-xylene, and o-xylene in sample SB-21 (8-10), acetone, benzene, n-butylbenzene, carbon disulfide, and isopropylbenzene in sample SB-25 (15-16), all VOC results with the exception of naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, sec-butylbenzene, chlorobenzene, 1,2-dichlorobenzene, ethylbenzene, 4-isopropyltoluene, m,p-xylene, and o-xylene in sample SB/MW-32 (40), all VOC results with the exception of 1,2,4-trimethylbenzene, bromobenzene, n-butylbenzene, tert-butylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-chloropropane, 1,3-dichlorobenzene, trans-1,4-dichloro-2-butene, hexachlorobutadiene, 1,1,2,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, and 1,2,3-trichoropropane in sample SB-39 (8-9), all VOC results with the exception of chlorobenzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, n-butylbenzene, sect-butylbenzene, 1,3-dichlorobenzene, cis-1,2-dichloroethene, ethylbenzene, naphthalene, n-propylbenzene, toluene, tetrachloroethene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, trichloroethene, m,p-xylene, and o-xylene in sample SB-43 (10-12), all VOC results with the exception of chlorobenzene, 1,2-dichlorobenzene, 1,3-dichloobenzene, 1,4-dichlorobenzene, naphthalene, tetrachloroethene, and 1,2,4-trimethylbenzene in sample SB-44 (7-8), and acetone,

benzene, methyl ethyl ketone, carbon disulfide, 1,3-dichlorobenzene, cis-1,2-dichloroethene, trans-1,3-dichoropropene, and 1,2,4-trichlorobenzene in sample DRUM were estimated (J/UJ) due to both low and high surrogate recoveries. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive result ETPH in sample SB-24 (10-11) was estimated (J) due to low surrogate recoveries. The result may be biased low. The result can be used for project objectives as an estimated value which may have a minor impact on the data usability.

- The positive and nondetect results for sec-butylbenzene, 1,4-dichlorobenzene, isopropylbenzene, naphthalene, n-propylbenzene, tetrachloroethene, m,p-xylene, and o-xylene in sample SB-21 (8-10), bromobenzene, n-butylbenzene, sec-butylbenzene, tert-butylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-dichloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, trans-1,4-dichloro-2-butene, cis-1,2-dichloroethene, hexachlorobutadiene, isopropylbenzene, 4-isopropyltoluene, naphthalene, n-propylbenzene, 1,1,2,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2,4-tichlorobenzene, 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene in samples SB-22 (9-10), SB-27 (5-6), and SB-41 (7-8), n-butylbenzene and isopropylbenzene in sample SB-25 (15-16), bromobenzene, n-butylbenzene, tert-butylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-dichloropropane, 1,3-dichlorobenzene, 1,4-dichlorobenzene, trans-1,4-dichloro-2-butene, cis-1,2-dichloroethene, hexachlorobutadiene, isopropylbenzene, n-propylbenzene, 1,1,2,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2,4-tichlorobenzene, and 1,2,3-trichloropropane in sample SB/MW-32 (40), toluene, 1,1-dichloroacetone, tetrachloroethene, 4-methyl-2-pentanone, ethyl methacrylate, chlorodibromomethane, 1,3-dichloropropane, ethylene dibromide, n-butyl acetate, 2-hexanone, chlorobenzene, 1-chlorohexane, ethylbenzene, 1,1,1,2-tetrachloroethane, m,p-xylene, o-xylene, styrene, bromoform, n-butylbenzene, sec-butylbenzene, tert-butylbenzene, isopropylbenzene, isopropyltoluene, naphthalene, n-propylbenzene, 1,2,4-trimethylbenzene, 1,2,3-trimethylbenzene, and tert-butylbenzene in sample SB-33 (2-3), sec-butylbenzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, isopropylbenzene, 4-isopropyltoluene, naphthalene, n-propylbenzene, and 1,3,5-trimethylbenzene in sample SB-39 (8-9), were estimated (J/UJ) due to low internal standard recoveries. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The nondetect results for bromobenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-chloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, trans-1,4-dichloro-2-butene, hexachlorobutadiene, 1,1,2,2-tetrachloroethene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, and 1,2,3-trichloropropane in sample SB-33 (2-

3) were rejected (R) due to internal standard recovery less than 25. The results are not usable for project objectives which may have a minor impact on the data usability.

- The positive results for acetone and methyl ethyl ketone in sample SB-21 (8-10), acetone in samples SB-44 (14-15) and DRUM, and acetone, methyl tert-butyl ether, and naphthalene in sample SB-39 (8-9) were qualified as estimated (J) as the results were greater than the calibration range. The results may be biased low. The result can be used for project objectives as estimated values which may have a minor impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

VOC

VOC samples SB-21 (8-10), SB-22 (9-10), SB-24 (10-11), SB-25 (15-16), SB-27 (5-6), SB/MW-32 (40), SB-33 (2-3), SB-34 (14-15), and SB-35 (5-6) were received at the laboratory one to two days outside of the 48 hour holding time for the transfer of Encore samples into pre-preserved vials. The positive and nondetect results for these samples were estimated (J/UJ).

The two-fold medium level analysis for sample SB-44 (7-8) took place three days outside of the required holding time. The positive results for 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene which were reported from this medium level analysis of sample SB-44 (7-8) were qualified as estimated (J).

PCBs and ETPH

All holding time criteria were met.

GC/MS Tunes

All criteria were met in the VOC analyses.

Initial and Continuing Calibrations

ETPH and PCBs

All criteria were met.

VOC

Compounds that did not meet criteria in the VOC continuing calibrations are summarized in the following tables.

Instrument ID MSO Compound	CC 12/08/08 11:29	CC 12/09/08 10:47
n-Butylbenzene	XX (35.2%)	XX (29.4%)
Samples Affected	SB-21 (8-10), SB-22 (9-10), SB-24 (10-11), SB-25 (15-16), SB-27 (5-6)	SB-22 (9-10) RE, SB-27 (5-6) RE, SB/MW-32 (40), SB-33 (2-3), SB-34 (14-15), SB-35 (5-6)

Instrument ID MSO Compound	CC 12/10/08 11:23	CC 12/11/08 10:19
n-Butylbenzene	XX (35.5%)	XX (40.6%)
Bromomethane	XX (26.7%)	
Tetrahydrofuran	XX (29.5%)	
Samples Affected	SB-33 (2-3) RE, SB-37 (3.5-4.5), SB-38 (7-9), SB-39 (8-9), SB-41 (7-8), SB-43 (10-12)	SB-41 (7-8) RE

Instrument ID MSO Compound	CC 12/15/08 10:36	CC 12/16/08 11:41
n-Butylbenzene	XX (32.0%)	
Bromomethane	XX (30.7%)	
Tetrahydrofuran	XX (45.3%)	XX (25.1%)
Chloromethane	XX (37.7%)	
Acetone	XX (29.5%)	
Methyl ethyl ketone	XX (37.9%)	
Acrylonitrile	XX (38.8%)	XX (30.0%)
Samples Affected	SB-44 (7-8), DRUM	SB-44 (14-15)

Instrument ID MSW Compound	CC 12/22/08
Tetrahydrofuran	XX (25.6%)
4-Methyl-2-pentanone	XX (27.2%)
2-Hexanone	XX (25.3%)
Hexachlorobutadiene	XX (25.3%)
1,2,4-Trichlorobenzene	XX (28.2%)
Naphthalene	XX (35.4%)
1,2,3-Trichlorobenzene	XX (25.7%)
Samples Affected	SB-44 (7-8) MED DL

Instrument ID MSL Compound	CC 12/10/08 10:47	CC 12/11/08 13:08
Bromomethane	XX (27.2%)	XX (27.3%)
Chloroethane	XX (31.3%)	XX (33.3%)
Naphthalene		XX (27.3%)
Samples Affected	Medium Level analyses: SB-21 (8-10), SB-25 (15-16), SB/MW-32 (40)	Medium Level analyses: SB-39 (8-9), SB-43 (10-12)

Instrument ID MSL Compound	CC 12/16/08 09:11	CC 12/17/08 12:39
Naphthalene	XX (33.1%)	XX (25.9%)
Hexachlorobutadiene	XX (26.7%)	XX (29.4%)
Samples Affected	SB-44 (7-8) MED	DRUM DL

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (J) positive results.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The positive and nondetect results for n-butylbenzene in samples SB-21 (8-10), SB-22 (9-10), SB-24 (10-11), SB-25 (15-16), SB-27 (5-6), SB/MW-32 (40), SB-33 (2-3), SB-34 (14-15), and SB-35 (5-6), bromomethane, and tetrahydrofuran in samples SB-37 (3.5-4.5), SB-38 (7-9), SB-39

(8-9), SB-41 (7-8), and SB-43 (10-12), n-butylbenzene in samples SB-37 (3.5-4.5), SB-38 (7-9), and SB-41 (7-8), chloromethane, bromomethane, acetone, acrylonitrile, tetrahydrofuran, methyl ethyl ketone, and n-butylbenzene in sample SB-44 (7-8), acetone and methyl ethyl ketone in sample DRUM, acrylonitrile and tetrahydrofuran in sample SB-44 (14-15), 1,2,3-trichlorobenzene in sample SB-44 (7-8), bromomethane and chloroethane in samples SB-21 (8-10), SB-25 (15-16), and SB-39 (8-9), naphthalene in samples SB-44 (7-8) and SB-43 (10-12), and hexchlorbutadiene and naphthalene in sample DRUM were estimated (J/UJ) due to continuing calibration nonconformances.

Validation actions were not required for the remaining compounds in the associated samples as they were not reported from the affected analyses.

Blanks

ETPH and PCBs

Target compounds were not detected in the associated method blank samples.

VOC

Methylene chloride was detected in the associated method blank samples. The presence of blank contamination indicates that false positives may exist for this compound in the associated samples. Action Levels (ALs) were established at 10x (for common contaminants) and 5x (for other compounds) the concentrations detected. The following table lists the highest level of compounds detected in the VOC laboratory blanks.

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Methylene chloride	Low level Method	3.7 ug/kg	37 ug/kg	All low level sample analyses
Methylene chloride	Medium Method	150 ug/kg	1500 ug/kg	All medium level analyses

Validation actions were not required on this basis as sample results were reported nondetect down to the reporting limit.

Surrogate Recoveries

VOC

The following table lists the surrogates recovered outside of control limits and the resulting actions.

Sample Soil Limits	DBFM 60-130	DCE 49-134	Tol-d8 51-137	BFB 36-133	Validation actions
SB-21 (8-10)	4%	29%	12%	263%	Estimate (J) the positive results for acetone, sec-butylbenzene, methyl ethyl ketone, carbon disulfide, 1,4-dichlorobenzene, isopropylbenzene, naphthalene, n-propylbenzene, tetrachloroethene, m,p-xylene, and o-xylene. Validation action action was not required for the remaining compounds as these results were reported from the medium level analysis with acceptable surrogate recoveries.
SB-22 (9-10)	25%	42%	25%	-	Validation action was not required. The results from the reanalysis were reported which exhibited acceptable surrogate recoveries.
SB-25 (15-16)	1%	45%	18%	342%	Estimate (J) the positive results for acetone, benzene, n-butylbenzene, carbon disulfide, and isopropylbenzene. Validation action action was not required for the remaining compounds as these results were reported from the medium level analysis with acceptable surrogate recoveries.
SB-27 (5-6)	-	-	-	135%	Validation action was not required. The results from the reanalysis were reported which exhibited acceptable surrogate recoveries.
SB/MW-32 (40)	52%	-	-	244%	Estimate (J/UJ) the positive and nondetect VOC results with the exception of naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, sec-butylbenzene, chlorobenzene, 1,2-dichlorobenzene, ethylbenzene, 4-isopropyltoluene, m,p-xylene, and o-xylene which were reported from the medium level analysis with acceptable surrogate recoveries.
SB-33 (2-3)	-	-	-	284%	Estimate (J) the positive results for acetone, benzene, n-butylbenzene, sec-butylbenzene, methyl ethyl ketone, carbon disulfide, ethylbenzene, isopropylbenzene, 4-isopropyltoluene, naphthalene, n-propylbenzene, toluene, 1,2,4-trimethylbenzene,1,3,5-trimethylbenzene, m,p-xylene, and o-xylene.
SB-33 (2-3) RE	-	-	-	1240%	Validation action was not required. The results from the original analysis were reported.
SB-39 (8-9)	41%	-	-	235%	Estimate (J/UJ) the positive and nondetect VOC results with the exception of 1,2,4-trimethylbenzene, bromobenzene, n-butylbenzene, tert-butylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-chloropropane, 1,3-dichlorobenzene, trans-1,4-dichloro-2-butene, hexachlorobutadiene, 1,1,2,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, and 1,2,3-trichoropropane which were reported from the medium level analysis which exhibited acceptable surrogate recoveries.

Sample Soil Limits	DBFM 60-130	DCE 49-134	Tol-d8 51-137	BFB 36-133	Validation actions
SB-41 (7-8) SB-41 (7-8) *RE*	- -	- -	- -	158% 168%	Estimate (J) the positive results for acetone, methyl ethyl ketone, naphthalene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene.
SB-43 (10-12)	-	-	31%	169%	Estimate (J/UJ) the positive and nondetect VOC results with the exception of chlorobenzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, n-butylbenzene, sect-butylbenzene, 1,3-dichlorobenzene, cis-1,2-dichloroethene, ethylbenzene, naphthalene, n-propylbenzene, toluene, tetrachloroethene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, trichloroethene, m,p-xylene, and o-xylene which were reported from the medium level analysis which exhibited acceptable surrogate recoveries.
SB-44 (7-8)	49%	-	45%	-	Estimate (J/UJ) the positive and nondetect VOC results with the exception of chlorobenzene, 1,2-dichlorobenzene, 1,3-dichloobenzene, 1,4-dichlorobenzene, naphthalene, tetrachloroethene, and 1,2,4-trimethylbenzene which were reported from the medium level analysis which exhibited acceptable surrogate recoveries.
DRUM	26%	-	43%	0%	Estimate (J) the positive results for acetone, benzene, methyl ethyl ketone, carbon disulfide, 1,3-dichlorobenzene, cis-1,2-dichloroethene, trans-1,3-dichoropropene, and 1,2,4-trichlorobenzene. Validation actions were not required for the remaining compounds as they were reported from the medium level analysis which exhibited acceptable recoveries.

- Criteria met

PCBs

The following table lists the surrogates recovered outside of control limits and the resulting actions.

Sample Soil Limits	TCX1 24-154	TCX2 24-154	DCB1 25-159	DCB1 25-159	Validation actions
SB-25 (15-16)	NR	177%	NR	-	Validation action was not required as results were not detected and therefore not affected by the potential high bias.
DRUM 5-fold	352%	1250%	-	305%	Validation action was not required as results were not detected and therefore not affected by the potential high bias.

- Criteria met
NR – Second column confirmation analysis was not required as results were nondetect.

ETPH

The following table lists the surrogates recovered outside of control limits and the resulting actions.

Sample Soil Limits	OTPH 50-150	Validation actions
SB-24 (10-11) 5-fold	33%	Estimate (J) the positive result for ETPH in sample SB-24 (10-11).

- Criteria met

MS/MSD Results

MS/MSDs were not associated with the VOC, ETPH, and PCB analyses. Validation action was not required on this basis.

Internal Standards

The following table lists the internal standards recovered outside of control limits and the resulting actions.

Sample	Internal Standard	Recovery (%)	Validation actions
SB-21 (8-10)	Chlorobenzene-d5 1,4-dichlorobenzene	39.0 15.2	Estimate (J) the positive results for sec-butylbenzene, 1,4-dichlorobenzene, isopropylbenzene, naphthalene, n-propylbenzene, tetrachloroethene, m,p-xylene, and o-xylene. Validation action was not required for the remaining affected compounds as they were reported from the medium level analysis with acceptable IS areas.
SB-22 (9-10)	1,4-dichlorobenzene	43.9	Validation action was not required as these analyses were not reported.
SB-27 (5-6)		30.8	
SB-41 (7-8) RE		36.0	
SB-22 (9-10) RE	1,4-dichlorobenzene	47.1	Estimate (J/UJ) the positive and nondetect results for bromobenzene, n-butylbenzene, sec-butylbenzene, tert-butylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-dichloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene,
SB-27 (5-6) RE		36.0	

Sample	Internal Standard	Recovery (%)	Validation actions
SB-41 (7-8)		28.1	1,4-dichlorobenzene, trans-1,4-dichloro-2-butene, cis-1,2-dichloroethene, hexachlorobutadiene, isopropylbenzene, 4-isopropyltoluene, naphthalene, n-propylbenzene, 1,1,2,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2,4-tichlorobenzene, 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene in samples SB-22 (9-10), SB-27 (5-6), and SB-41 (7-8).
SB-25 (15-16)	1,4-dichlorobenzene	17.7	Estimate (J) the positive results for n-butylbenzene and isopropylbenzene. Validation action was not required for the remaining affected compounds as they were reported from the medium level analysis with acceptable IS areas.
SB/MW-32 (40)	1,4-dichlorobenzene	25.9	Estimate (J/UJ) the positive and nondetect results for bromobenzene, n-butylbenzene, tert-butylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-dichloropropane, 1,3-dichlorobenzene, 1,4-dichlorobenzene, trans-1,4-dichloro-2-butene, cis-1,2-dichloroethene, hexachlorobutadiene, isopropylbenzene, n-propylbenzene, 1,1,2,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2,4-tichlorobenzene, and 1,2,3-trichloropropane. Validation action was not required for the remaining affected compounds as they were reported from the medium level analysis with acceptable IS areas.
SB-33 (2-3)	Chlorobenzene-d5	43.5	Estimate (J/UJ) the positive and nondetect results for toluene, 1,1-dichloroacetone, tetrachloroethene, 4-methyl-2-pentanone, ethyl methacrylate, chlorodibromomethane, 1,3-dichloropropane, ethylene dibromide, n-butyl acetate, 2-hexanone, chlorobenzene, 1-chlorohexane, ethylbenzene, 1,1,1,2-tetrachloroethane, m,p-xylene, o-xylene, styrene, and bromoform.
	1,4-dichlorobenzene	18.6	Estimate (J) the positive results for n-butylbenzene, sec-butylbenzene, tert-butylbenzene, isopropylbenzene, isopropyltoluene, naphthalene, n-propylbenzene, 1,2,4-trimethylbenzene, and 1,2,3-trimethylbenzene. Reject (R) the nondetect results for bromobenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-chloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, trans-1,4-dichloro-2-butene, hexachlorobutadiene, 1,1,2,2-tetrachloroethene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, and 1,2,3-trichloropropane.
SB-33 (2-3) RE	Chlorobenzene-d5	34.7	Estimate (J) the positive result for tert-butylbenzene from this analysis. Remaining affected results were reported from the original analysis.
	1,4-dichlorobenzene	17.2	

Sample	Internal Standard	Recovery (%)	Validation actions
SB-39 (8-9)	1,4-dichlorobenzene	20.6	Estimate (J) the positive results for sec-butylbenzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, isopropylbenzene, 4-isopropyltoluene, naphthalene, n-propylbenzene, and 1,3,5-trimethylbenzene. Validation action was not required for the remaining affected compounds as they were reported from the medium level analysis with acceptable IS areas.
SB-43 (10-12)	Chlorobenzene-d5	330.8	Validation action was not required. Affected compound results were either nondetect or reported from the medium level analysis with acceptable IS areas.

LCS Results

ETPH and PCBs

All criteria were met.

VOC

The following table lists the compounds recovered outside of control limits in the LCS VOC analyses and the resulting actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Dichlorodifluoromethane	180	70-130	Medium level analyses: SB-21 (8-10), SB-25 (15-16), SB/MW-32 (40)	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Chloromethane	146	52-137	Low level analyses: SB-44 (7-8), DRUM.	Validation actions were not required as these results were not reported from the medium level analyses.
Dichlorodifluoromethane	204	70-130		
Tetrahydrofuran	155	70-130		
Chloromethane	172	52-137	SB-44 (14-15)	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Dichlorodifluormethane	223	70-130		
Dichlorodifluoromethane	169	70-130	DRUM Med	Validation actions were not required as the affected results were reported from the low level analyses.

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Hexachlorobutadiene	68	70-130	DRUM Med	Estimate (UJ) the nondetect result for hexachlorobutadiene in sample DRUM.
n-Butylbenzene Dichlorodifluoromethane	145 171	70-130	Medium level analysis: SB-44 (7-8)	Validation actions were not required as the results for n-butylbenzene and dichlorodifluoromethane were nondetect and therefore not affected by the potential high bias.
Dichlorodifluoromethane	155 161 177	70-130	SB-21 (8-10), SB-22 (9-10), SB-24 (10-11), SB-25 (15-16), SB-27 (5-6), SB-22 (9-10) RE, SB-27 (56) RE, SB/MW-32 (40), SB-33 (2-3), SB-34 (14-15), SB-35 (5-6), SB-39 (8-9) Med, SB-43 (10-12) Med	Validation actions were not required as the results for dichlorodifluoromethane were either nondetect and therefore not affected by the potential high bias or were reported from the medium level analyses.
Dichlorodifloromethane Tetrahydrofuran	160 132	70-130	SB-33 (2-3) RE, SB-37 (.5-4.5), SB-38 (7-9), SB-39 (8-9), SB-41 (7-8), SB-43 (10-12)	Validation actions were not required as the affected results were nondetect or not reported from these analyses.
1,2,4-Trichlorobenzene	69	70-130	SB-41 (7-8) RE	Validation actions were not required as the original analysis was reported.
2-Chlorotoluene	69	70-130		
Dichlorodifluoromethane	137	70-130		
Styrene	71	72-114		
1,2-Dibromo-3-chloropropane	68	70-130	SB-44 (7-8) Med DL	Validation actions were not required as the affected results were not reported from this analysis.
Dichlorodifluoromethane	183			
Naphthalene	65			
n-Butylbenzene Tetrahydrofuran	135 132	70-130	SB-44 (7-8), DRUM	Validation actions were not required as the affected results were not reported from this analysis or were nondetect and therefore not affected by the potential high bias.

Moisture Content

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

Quantitation Limits and Data Assessment

Due to poor sample matrix, the final extract volumes for PCB samples SB-25 (15-16) and DRUM were increased to 5 ml. In addition, PCB sample SB-25 (15-16) was analyzed at a 10-fold dilution and sample DRUM was analyzed at a 5-fold dilution. QLs were elevated accordingly.

The following table lists the sample dilutions and analyses which were performed and reported.

Sample	VOC Analysis Reported	ETPH Analysis Reported
SB21 (8-10)	Estimate (J) the over-calibrated results for acetone and methyl ethyl ketone in the low level analysis as the results were not detected in the medium level analysis. Report the results for acetone, sec-butylbenzene, methyl ethyl ketone, carbon disulfide, 1,4-dichlorobenzene, isopropylbenzene, naphthalene, n-propylbenzene, m,p-xylene, and o-xylene from the low level analysis. Report remaining compound results from the medium level analysis.	A 50-fold dilution analysis was performed.
SB22 (9-10)	The sample was reanalyzed due to poor surrogate recoveries. The reanalysis was reported.	A 100-fold dilution analysis was performed and extract final volume was 2 ml instead of 1.
SB24 (10-11)	NR	A 5-fold dilution analysis was performed.
SB25 (15-16)	Report the results for acetone, benzene, n-butylbenzene, carbon disulfide, and isopropylbenzene from the low level analysis. Report remaining compound results from the medium level analysis.	A 100-fold dilution analysis was performed and extract final volume was 3 ml instead of 1.
SB27 (5-6)	The sample was reanalyzed due to poor surrogate recoveries. The reanalysis was reported.	A 10-fold dilution analysis was performed.
SB/MW-32 (40)	Report results for naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, sec-butylbenzene, chlorobenzene, 1,2-dichlorobenzene, ethylbenzene, 4-isopropyltoluene, m,p-xylene, and o-xylene from the medium level analysis. Report the remaining results from the low level analysis.	A 50-fold dilution analysis was performed.
SB-33 (2-3)	The sample was reanalyzed due to poor surrogate recoveries. Report the results from the original analysis with the exception of tert-butylbenzene.	A 100-fold dilution analysis was performed.
SB-34 (14-15)	NR	NR

Sample	VOC Analysis Reported	ETPH Analysis Reported
SB-35 (5-6)	NR	A 10-fold dilution analysis was performed.
SB-37 (3.5-4.5)	NR	NR
SB-38 (7-9)	NR	NR
SB-39 (8-9)	Estimate (J) the over-calibrated results for acetone, methyl tert-butyl ether, and naphthalene in the low level analysis as the results were not detected in the medium level analysis. Report the results for 1,2,4-trimethylbenzene, bromobenzene, n-butylbenzene, tert-butylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,2-dibromo-3-chloropropane, 1,3-dichlorobenzene, trans-1,4-dichloro-2-butene, hexachlorbutadiene, 1,1,2,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, and 1,2,3-trichloropropane from the medium level analysis. Report remaining compound results from the low level analysis.	A 100-fold dilution analysis was performed and extract final volume was 2 ml instead of 1.
SB-41 (7-8)	The sample was reanalyzed due to poor surrogate recoveries. The original analysis was reported.	A 20-fold dilution analysis was performed.
SB-43 (10-12)	Report the all low level VOC results with the exception of chlorobenzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, n-butylbenzene, sec-butylbenzene, 1,3-dichlorobenzene, cis-1,2-dichloroethene, naphthalene, n-propylbenzene, tetrachloroethene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, trichloroethene, m,p-xylene, and o-xylene which were reported from the medium level analysis.	A 10-fold dilution analysis was performed.
SB-44 (7-8)	Report the low level VOC results with the exception of chlorobenzene, 1,2-dichlorobenzene, 1,3-dichloobenzene, 1,4-dichlorobenzene, naphthalene, tetrachloroethene, and 1,2,4-trimethylbenzene which were reported from the medium level analysis and 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene which were reported from the 2-fold medium level dilution.	A 2-fold dilution analysis was performed.
DRUM	Estimate (J) the over-calibrated result for acetone from the low level analysis as the result was nondetect in the medium level. Report results for benzene, methyl ethyl ketone, carbon disulfide, 1,3-dichlorobenzene, cis-1,2-dichloroethene, and 1,2,4-trichlorobenzene from the low level analysis. Report remaining compound results from the medium level analysis.	A 100-fold dilution analysis was performed and extract final volume was 2 ml instead of 1.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC and SVOC analyses.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-7408
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-21 (8-10)	220-7408-01	Metals, Cyanide
SB-22 (9-10)	220-7408-02	Metals, Cyanide
SB-24 (10-11)	220-7408-03	Metals, Cyanide
SB-25 (15-16)	220-7408-04	Metals, Cyanide, Waste Characterization
SB-27 (5-6)	220-7408-05	Metals, Cyanide
SB/MW-32 (40)	220-7408-06	Metals, Cyanide
SB-33 (2-3)	220-7408-07	Metals, Cyanide
SB-34 (14-15)	220-7408-08	Metals, Cyanide
SB-35 (5-6)	220-7408-09	Metals, Cyanide
SB-37 (3.5-4.5)	220-7408-10	Metals, Cyanide
SB-38 (7-9)	220-7408-11	Metals, Cyanide
SB-39 (8-9)	220-7408-12	Metals, Cyanide
SB-41 (7-8)	220-7408-13	Metals, Cyanide
SB-43 (10-12)	220-7408-14	Metals, Cyanide
SB-44 (7-8)	220-7408-15	Metals, Cyanide
SB-44 (14-15)	220-7408-16	Metals, Cyanide
DRUM	220-7408-17	Metals, Cyanide, Waste Characterization

Associated QC Samples(s): Field Blanks: None associated
Field Duplicate pair: None associated

The above-listed soil samples were collected on December 1, 2, 3, 4, and 5, 2008 and were analyzed for select metals by SW-846 methods 6010B/7470/7471A, cyanide by SW-846 method 9012B, and waste characterization analyses which included TCLP metals, reactive cyanide by SW-846 method 9012C, reactive sulfide by SW-846 method 9034, ignitability and temperature by SW-846 method 1030, and pH by SW-846 method 9045C. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

* • Overall Evaluation of Data and Potential Usability Issues
* • Data Completeness
  • Holding Times and Sample Preservation

- Instrument Calibration
- * Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Duplicate Results
- NA Field Duplicate Results
- * Laboratory Control Sample (LCS) Results
- * Serial Dilution Results
- * Moisture Content
- Detection Limits Results
- * Sample Quantitation Results

* - All criteria were met for this parameter.

NA- A field duplicate pair was not associated with this sample group.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The positive and nondetect results for mercury in sample SB-24 (10-11), cyanide in sample SB-25 (15-16), reactive cyanide, reactive sulfide, and pH in sample SB-25 (15-16), and reactive sulfide and pH in sample DRUM were qualified as estimated (J/UJ) due to exceedances in holding times. The results may be biased low. The results are usable for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor effect on the data usability.

- The positive and nondetect results for cobalt and selenium in samples SB-21 (8-10), SB-22 (9-10), and SB-27 (5-6) and cobalt in sample SB-39 (8-9) were qualified as estimated (J/UJ) due to negative interferences in the ICSA sample analysis. The results may be biased low. The results are usable for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor effect on the data usability.

- The positive and nondetect results for arsenic, nickel, and thallium in all samples and reactive sulfide in samples SB-25 (15-16) and DRUM were qualified as estimated (J/UJ) due to recoveries in the MS analyses which were below control limits. The results may be biased low. The results are usable for project objectives as estimated values and nondetect with estimated quantitation limits which may have a minor effect on the data usability.

- The positive and nondetect results for chromium, copper, lead, and nickel in all samples were qualified as estimated (J/UJ) due to high relative percent differences (RPDs) in the laboratory duplicate analysis. The direction of the bias cannot be determined from this nonconformance. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

The following table lists the holding time exceedances in the metals and wet chemistry analyses and the resulting actions.

Sample	Analysis	Holding Time Exceedance	Validation Action
SB-24 (10-11)	Mercury	7 days	Estimate (UJ) the nondetect result for mercury in this sample.
SB-25 (15-16)	Cyanide	3 days	Estimate (J/UJ) the results for cyanide, reactive cyanide, reactive, sulfide, and pH in this sample.
	Reactive Cyanide	3 days	
	Reactive Sulfide	10 days	
	pH	15* days	
DRUM	Reactive Sulfide	6 days	Estimate (J/UJ) the results for reactive sulfide and pH in this sample.
	pH	15* days	

* - As a pH holding time is not stated in SW-846 method 9045 for soil samples, but recommended that analysis be performed as soon as possible, the holding time of two days was used for evaluation of the soil pH samples.

Instrument Calibration

The recovery for silver (111%) was above the control limits in the continuing calibration verification (CCV94) sample associated with the analysis of samples SB-25 (15-16) and DRUM. Validation action was not required on this basis as the results for silver in these samples were nondetect and therefore not affected by the potential high bias.

CRQL Standard Recoveries

All criteria were met.

Blank Results

A field blank sample was not associated with this sample group.

Analytes were detected in the metals laboratory blank samples. Analytes which were detected in the project samples at levels less than five times those in the blanks were qualified as nondetect (U). The following table summarizes the contamination.

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Antimony	Instrument	SB-21 (8-10), SB-22 (9-10), SB-24 (10-11), SB-27 (5-6), SB/MW-32 (40)	9.9 ug/L, 1.98 mg/kg	9.9 mg/kg
Vanadium	Instrument	SB-33 (2-3), SB-34 (14-15), SB-35 (5-6), SB-37 (3.5-4.5), SB-38 (7-9), SB-39 (8-9), SB-41 (7-8), SB-43 (10-12), SB-44 (7-8)	1.3 ug/L, 0.26 mg/kg	1.3 mg/kg
Chromium	Method Blank	TCLP SB-25 (15-16), TCLP DRUM	0.002 mg/L	0.010 mg/L
Selenium	Instrument blank	TCLP SB-25 (15-16), TCLP DRUM	0.024 mg/L	0.12 mg/L

Blank Actions

If the sample result is < QL and < action level; report the result as nondetect (U) at the QL.
If the sample result is ≥ QL and < action level; report the sample result as nondetect (U) at the reported value.
For negative blank contamination ≥2 MDL; professional judgement was taken to estimate (J/UJ) those results which were less than the action level.

Validation actions were not required on this basis as sample results were reported nondetect down to the reporting limit (RL).

ICP ICS Results

All analytes were recovered within control limits in the ICSAB sample analysis.

Positive results for chromium and vanadium and negative results for cobalt, selenium, and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with samples SB-21 (8-10), SB-22 (9-10), SB-24 (10-11), SB-27 (5-6), and SB/MW-32 (40). Positive results for barium, lead, and vanadium and negative results for cobalt and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with samples SB-33 (2-3), SB-34 (14-15), SB-35 (5-6), SB-37 (3.5-4.5), SB-38 (7-9), SB-39 (8-9), SB-41 (7-8), SB-43 (10-12), and SB-44 (7-8). Positive results for barium, chromium, and vanadium and negative results for cobalt and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with sample SB-44 (14-15). Positive results for chromium were detected in TCLP samples SB-25 (15-16) and DRUM. Sample interferent levels were reviewed.

Iron was present in samples SB-21 (8-10) (226%), SB-22 (9-10) (93.3%), SB-27 (5-6) (158%), and SB-39 (8-9) (94.2%) at similar or greater levels of that of the ICSA solution. The following table lists the estimated interferences and resulting validation actions.

Sample	Analyte	Sample Result (ug/L)	Estimated Interference (ug/L)	Actions
SB-21 (8-10)	Cobalt	49.8	-7.5	Estimate (J) the positive result for cobalt.
	Chromium	3000	3.4	Interference was <10%; No action taken.
	Selenium	ND	-11.7	Estimate (JJ) the nondetect result for selenium.
	Vanadium	172	3.6	Interference was <10%; No action taken.
	Zinc	1127	-31.0	Interference was <10%; No action taken.
SB-22 (9-10)	Cobalt	16.8	-3.1	Estimate (J) the positive result for cobalt.
	Chromium	1984	1.4	Interference was <10%; No action taken.
	Selenium	ND	-4.8	Estimate (UJ) the nondetect result for selenium.
	Vanadium	25.8	1.5	Interference was <10%; No action taken.
	Zinc	366	-12.7	Interference was <10%; No action taken.
SB-27 (5-6)	Cobalt	43.0	-5.2	Estimate (J) the positive result for cobalt.
	Chromium	1836	2.4	Interference was <10%; No action taken.
	Selenium	ND	-8.2	Estimate (UJ) the nondetect result for selenium.
	Vanadium	161	2.5	Interference was <10%; No action taken.
	Zinc	508	-21.6	Interference was <10%; No action taken.
SB-39 (8-9)	Barium	62.4	1.1	Interference was <10%; No action taken.
	Cobalt	15.3	-3.2	Estimate (J) the positive result for cobalt.
	Lead	464	3.3	Interference was <10%; No action taken.
	Vanadium	78.2	2.0	Interference was <10%; No action taken.
	Zinc	259	-11.5	Interference was <10%; No action taken.

MS Results

The laboratory performed the MS on sample SB-27 (5-6) for ICP metals, sample SB-43 (10-12) for mercury, cyanide in sample SB-21 (8-10), and on sample DRUM for reactive sulfide. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS and the resulting validation actions.

Analyte	MS Sample	Recovery (%)	Actions
Arsenic	SB-27 (5-6)	18	Estimate (J/UJ) the positive and nondetect results for arsenic and thallium in all samples. Estimate (J) the positive results for nickel in all samples.
Nickel		-114	
Thallium		43	
Reactive Sulfide	DRUM	24	Estimate (UJ) the nondetect results for reactive sulfide in samples SB-25 (15-16) and DRUM.

Laboratory Duplicate Results

The laboratory performed the duplicate analyses on sample SB-27 (5-6) for ICP metals, sample SB-43 (10-12) for mercury, sample DRUM for reactive cyanide and sulfide, and sample SB-25 (15-16) for pH. The following table lists the analytes which exhibited RPDs outside of the control limits and the resulting validation actions.

Analyte	Duplicate Sample	RPD (%)	Actions
Chromium	SB-27 (5-6)	70	Estimate (J/UJ) the positive and nondetect results for chromium, copper, lead, and nickel in all samples.
Copper		104	
Lead		54	
Nickel		69	

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

Moisture Content

All criteria were met.

LCS Results

All criteria were met.

Serial Dilution Results

The laboratory performed the serial dilution analysis on sample SB/MW-32 (40). All criteria were met.

Detection Limits Results

Due to high target analytes levels, ICP samples SB-22 (9-10), SB-33 (2-3), SB-39 (8-9), and SB-41 (7-8) were analyzed at 5-fold dilutions. QLs were elevated accordingly.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Site: MacDermid, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-8900
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 10, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-45 (10-11)	220-8900-01	VOC, SVOC, ETPH
SB-46 (14-15)	220-8900-02	VOC, SVOC, ETPH
SB/MW-47 (24-25)	220-8900-03	VOC
SB/MW-48 (24-25)	220-8900-04	VOC

Associated QC Samples(s):	Field Blanks:	FB042809 (reported in 220-8920)
	Field Duplicate pair:	None associated

The above-listed soil samples were collected on April 27, 2009 and were analyzed for analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, semivolatile organic compounds (SVOCs) by SW-846 method 8270, and extractable total petroleum hydrocarbons (ETPH) by the CT method. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

*	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	•	Initial and Continuing Calibrations
	•	Blanks
*	•	Surrogate Recoveries
*	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
	•	Laboratory Control Sample (LCS) Results
*	•	Internal Standards
*	•	Moisture Content
NA	•	Field Duplicate Results
	•	Quantitation Limits and Data Assessment
*	•	Sample Quantitation and Compound Identification

* - All criteria were met.

NA – A field duplicate pair was not associated with this sample group.

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect result for chloroethane in sample SB/MW-48 (24-25) was qualified as estimated (UJ) due to continuing calibration nonconformances. The direction of the bias cannot be determined from these nonconformances. The result can be used for project objectives as a nondetect with estimated quantitation limit which may have a minor impact on the data usability.

- The nondetect results for carbon disulfide in samples SB-45 (10-11), SB-46 (14-15), and SB/MW-47 (24-25) and bromomethane and carbon disulfide in sample SB/MW-48 (24-25) were qualified as estimated (UJ) due to low LCS recoveries. The results may be biased low. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met in the VOC, SVOC, and ETPH analyses.

GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

Initial and Continuing Calibrations

SVOC and ETPH

All criteria were met.

VOC

Compounds that did not meet criteria in the VOC continuing calibrations are summarized in the following table.

Instrument ID MSO Compound	CC 05/06/09 11:11
Chloroethane	XX (25.1%)
Samples Affected	SB/MW-48 (24-25)

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (J) positive results.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The nondetect result for chloroethane in sample SB/MW-48 (24-25) was estimated (UJ) due to continuing calibration nonconformances.

Blanks

SVOC and ETPH

Target compounds were not detected in the method blank samples and associated field blank sample FB042809, which was reported in case number 220-8920.

VOC

Target compounds were not detected in the associated method blank samples. Target compounds were detected in the associated field blank sample FB042809, which was reported in case number 220-8920. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at 10x (for common contaminants) and 5x (for other compounds) the concentrations detected. The following table summarizes the contamination.

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Methylene chloride	FB042809	8.9 ug/L, 8.9 ug/kg	89 ug/kg	All samples
Acetone		6.6 ug/L, 6.6 ug/kg	66 ug/kg	

Validation actions were not required as sample results were reported nondetect down to the reporting limit.

Surrogate Recoveries

All criteria were met in the VOC, SVOC, and ETPH analyses analyzed at dilutions less than 10-fold.

MS/MSD Results

MS/MSDs were not associated with the VOC, SVOC, and ETPH analyses. Validation action was not required on this basis.

Internal Standards

All criteria were met in the VOC and SVOC analyses.

LCS Results

VOC and SVOC

The following table lists the compounds recovered outside of control limits in the LCS VOC and SVOC analyses and the resulting actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Acetone	171	80-150	SB-45 (10-11), SB-46 (14-15), SB/MW-47 (24-25)	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Trans-1,4-dichloro-2-butene	128	69-120		
Carbon disulfide	53	80-142	SB-45 (10-11), SB-46 (14-15), SB/MW-47 (24-25)	Estimate (UJ) the nondetect results for carbon disulfide in the associated samples.
Acetone	182	80-150	SB/MW-48 (24-25)	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Methyl ethyl ketone	155	80-150		
Trans-1,4-dichloro-2-butene	130	69-120		
Bromomethane	75	83-150	SB/MW-48 (24-25)	Estimate (UJ) the nondetect results for bromomethane and carbon disulfide in the sample SB/MW-48 (24-25).
Carbon disulfide	54	80-142		
Benzoic acid	63	0-36	SB-45 (10-11), SB-46 (14-15)	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
2,4-Dintrophenol	62	0-36		

ETPH

All criteria were met in the ETPH analyses.

Moisture Content

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

Quantitation Limits and Data Assessment

The following table lists the sample dilutions and analyses which were performed and reported.

Sample	VOC Analysis Reported	SVOC Analysis Reported	ETPH Analysis Reported
SB-45 (10-11)	NR	Report the results for benzo(a)anthracene, benzo(b)fluoranthene, chrysene, fluoranthene, and pyrene from the 5-fold dilution. Due to IS area which was better in the dilution, professional judgement was taken to report the results for benzo(k)fluoranthene, benzo(a)pyrene, indeno(123-cd)pyrene, dibenzo(ah)anthracene, and benzo(ghi)perylene from the diluted analysis also. Report all other results from the undiluted analysis.	A 10-fold dilution analysis was performed.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC, SVOC, and ETPH analyses.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-8900
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB/MW-47 (24-25)	220-8900-03	Metals, Cyanide
SB/MW-48 (24-25)	220-8900-04	Metals, Cyanide

Associated QC Samples(s): Field Blanks: FB 042809 (reported in 220-8920)
Field Duplicate pair: None associated

The above-listed soil samples were collected on April 27, 2009 and were analyzed for select metals by SW-846 methods 6010B/7471A and cyanide by SW-846 method 9012B. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

* • Overall Evaluation of Data and Potential Usability Issues
* • Data Completeness
* • Holding Times and Sample Preservation
* • Instrument Calibration
* • Contract Required Quantitation Limit (CRQL) Standard Recoveries
• Blank Analysis Results
• Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
* • Laboratory Duplicate Results
NA • Field Duplicate Results
* • Laboratory Control Sample (LCS) Results
* • Serial Dilution Results
* • Moisture Content
* • Detection Limits Results
* • Sample Quantitation Results

* - All criteria were met for this parameter.

NA- A field duplicate pair was not associated with this sample group.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The positive result for lead in sample SB/MW-47 (24-25) was qualified as nondetect (U) at the reported value due to laboratory blank contamination. The result is usable for project objectives as a nondetect with elevated quantitation limit which may have a minor effect on the data usability.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met.

CRQL Standard Recoveries

All recovery criteria were met.

Blank Results

Analytes were detected in the metals laboratory blank samples. Analytes which were detected in the project samples at levels less than five times those in the blanks were qualified as nondetect (U). The following table summarizes the contamination.

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Copper	Instrument	SB/MW-47 (24-25)	3.1 ug/L, 0.39 mg/kg	1.9 mg/kg
Lead	Method	SB/MW-47 (24-25)	1.6 mg/kg	8.0 mg/kg

Blank Actions

If the sample result is < QL and < action level; report the result as nondetect (U) at the QL.
If the sample result is ≥ QL and < action level; report the sample result as nondetect (U) at the reported value.
For negative blank contamination ≥2 MDL; professional judgement was taken to estimate (J/UJ) those results which were less than the action level.

The positive result for lead in sample SB/MW-27 (24-25) was qualified as nondetect (U) at the reported value due to laboratory contamination.

Target analytes were not detected in the field blank FB 042809, which was reported in case number 220-8920.

ICP ICS Results

All analytes were recovered within control limits in the ICSAB sample analysis.

Positive results for barium, chromium, and vanadium and negative results for silver, cadmium, cobalt, and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with sample SB/MW-48 (24-25). Positive results for arsenic, barium, chromium, thallium, and vanadium and negative results for silver, beryllium, cadmium, cobalt, copper, nickel, lead, antimony, and selenium were detected above the method detection limit (MDL) in the ICSA solution analysis associated with sample SB/MW-47 (24-25). Sample interferents levels were reviewed. Validation actions were not required on this basis as sample interferents levels were less than those of the ICSA sample.

MS Results

The laboratory performed the MS on sample SB/MW-48 (24-25) for metals and cyanide. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS and the resulting validation actions.

Analyte	MS Sample	Recovery (%)	Actions
Arsenic	SB/MW-48 (24-25)	126	Validation actions were not required for arsenic as results were not detected in the associated samples and therefore not affected by the potential high bias.

Laboratory Duplicate Results

The laboratory performed the duplicate analysis on sample SB/MW-48 (24-25) for metals and cyanide. All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on sample SB/MW-48 (24-25). All criteria were met.

Detection Limits Results

Dilutions were not required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Site: MacDermid, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-8920
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-49 (1.5-2.5)	220-8920-01	VOC, ETPH
SB-50 (1.5-2.5)	220-8920-02	VOC, ETPH
SB-51 (1.5-2.5)	220-8920-03	VOC, ETPH
FB 042809	220-8920-04	VOC, ETPH

Associated QC Samples(s):	Field Blanks:	FB042809
	Field Duplicate pair:	None associated

The above-listed soil samples and field blank sample were collected on April 28, 2009 and were analyzed for analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B and extractable total petroleum hydrocarbons (ETPH) by the CT method. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

*	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	•	Initial and Continuing Calibrations
	•	Blanks
*	•	Surrogate Recoveries
*	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
	•	Laboratory Control Sample (LCS) Results
*	•	Internal Standards
*	•	Moisture Content
NA	•	Field Duplicate Results
*	•	Quantitation Limits and Data Assessment
*	•	Sample Quantitation and Compound Identification

* - All criteria were met.

NA – A field duplicate pair was not associated with this sample group.

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for chloromethane, chloroethane, and 1,1,2-trichloro-1,2,2-trifluoroethane in sample FB 042809 were qualified as estimated (UJ) due to continuing calibration nonconformances. The direction of the bias cannot be determined from these nonconformances. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The nondetect results for carbon disulfide in samples SB-49 (1.5-2.5), SB-50 (1.5-2.5), and SB-51 (1.5-2.5) were qualified as estimated (UJ) due to low LCS recovery. The results may be biased low. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive result for acetone in sample FB 042809 was qualified as estimated (J) due to high LCS recovery. The result may be biased high. The result can be used for project objectives as an estimated value which may have a minor impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met in the VOC and ETPH analyses.

GC/MS Tunes

All criteria were met in the VOC analyses.

Initial and Continuing Calibrations

ETPH

All criteria were met.

VOC

Compounds that did not meet criteria in the VOC continuing calibrations are summarized in the following table.

Instrument ID **MSW** **Compound**	**CC** **05/11/09 10:41**
Chloromethane	XX (33.0%)
Chloroethane	XX (25.1%)
1,1,2-Trichloro-1,2,2-trifluoroethane	XX (38.7%)
Samples Affected	FB 042809

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (J) positive results.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The nondetect results for chloromethane, chloroethane, and 1,1,2-trichloro-1,2,2-trifluoroethane in sample FB 042809 were estimated (UJ) due to continuing calibration nonconformances.

Blanks

VOC

Target compounds were not detected in the associated method blank samples. Target compounds were detected in the associated field blank sample FB042809. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at 10x (for common contaminants) and 5x (for other compounds) the concentrations detected. The following table summarizes the contamination.

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Methylene chloride	FB042809	8.9 ug/L, 8.9 ug/kg	89 ug/kg	*All samples*
Acetone		6.6 ug/L, 6.6 ug/kg	66 ug/kg	

Validation actions were not required as these compounds were not detected in the associated samples.

ETPH

Target compounds were not detected in the method blank samples and associated field blank sample FB042809.

Surrogate Recoveries

All criteria were met in the VOC and ETPH analyses.

MS/MSD Results

MS/MSDs were not associated with the VOC and ETPH analyses. Validation action was not required on this basis.

Internal Standards

All criteria were met in the VOC analyses.

LCS Results

VOC

The following table lists the compounds recovered outside of control limits in the LCS VOC analyses and the resulting actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Acetone	171	80-150	SB-49 (1.5-2.5), SB-50 (1.5-2.5), SB-51 (1.5-2.5)	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Trans-1,4-dichloro-2-butene	128	69-120		
Carbon disulfide	53	80-142	SB-49 (1.5-2.5), SB-50 (1.5-2.5), SB-51 (1.5-2.5)	Estimate (UJ) the nondetect results for carbon disulfide in the associated samples.
Acetone	165	33-150	FB 042809	Estimate (J) the positive result for acetone in sample FB 042809.

ETPH

All criteria were met in the ETPH analyses.

Moisture Content

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

Quantitation Limits and Data Assessment

Dilutions were not required.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC and ETPH analyses.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-8920
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-49 (1.5-2.5)	220-8920-01	Metals, Cyanide
SB-50 (1.5-2.5)	220-8920-02	Metals, Cyanide
SB-51 (1.5-2.5)	220-8920-03	Metals, Cyanide
FB 042809	220-8920-04	Metals, Cyanide

Associated QC Samples(s): Field Blanks: FB 042809
Field Duplicate pair: None associated

The above-listed soil samples and field blank sample were collected on April 28, 2009 and were analyzed for select metals by SW-846 methods 6010B/7470/7471A and cyanide by SW-846 method 9012B. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

* • Overall Evaluation of Data and Potential Usability Issues
• Data Completeness
* • Holding Times and Sample Preservation
* • Instrument Calibration
• Contract Required Quantitation Limit (CRQL) Standard Recoveries
• Blank Analysis Results
• Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
* • Laboratory Duplicate Results
NA • Field Duplicate Results
* • Laboratory Control Sample (LCS) Results
* • Serial Dilution Results
* • Moisture Content
* • Detection Limits Results
* • Sample Quantitation Results

* - All criteria were met for this parameter.

NA- A field duplicate pair was not associated with this sample group.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect result for lead in sample FB 042809 was estimated (UJ) due to low recovery in the CRDL analysis. The result may be biased low. The result is usable for project objectives as a nondetect with an estimated quantitation limit which may have a minor effect on the data usability.

Data Completeness

The data package was complete with the following exception: The laboratory did not report the result for cobalt in sample FB 042809. The validation reviewed the ICP raw data and reported the result for cobalt for sample FB 042809 on the reporting form.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met

CRQL Standard Recoveries

The following table lists the recoveries which were outside the control limits in the contract required quantitation limit (CRQL) standards and the resulting validation actions. The affected level range was determined by two times the true value of the CRQL standard analyzed.

Analyte	Recovery	Associated Samples	Validation Actions
Lead	66%	FB 042809	The nondetect result for lead in sample FB 042809 was estimated (UJ).

Blank Results

Lead was detected in the metals laboratory blank samples associated with the field blank sample. Analytes which were detected in the project samples at levels less than five times those in the blanks were qualified as nondetect (U). The following table summarizes the contamination.

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Lead	Method	FB 042809	4.5 ug/L	22.5 ug/L

Blank Actions

If the sample result is < QL and < action level; report the result as nondetect (U) at the QL.
If the sample result is ≥ QL and < action level; report the sample result as nondetect (U) at the reported value.
For negative blank contamination ≥2 MDL; professional judgement was taken to estimate (J/UJ) those results which were less than the action level.

Validation actions were not required on this basis.

Target analytes were not detected in the field blank FB 042809, which was associated with all samples.

ICP ICS Results

Thallium (74%) was recovered below the control limits in the ICSAB analysis associated with sample FB 043009. Validation actions were not required on this basis as the sample interferents levels were less than those of the ICSAB sample.

Positive results for barium, chromium, nickel, tin, and vanadium and negative results for silver and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with sample FB 042809. Positive results for barium, chromium, and copper and negative results for silver, cadmium, cobalt, and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with sample SB-49 (1.5-2.5). Positive results for barium, chromium, and vanadium and negative results for cadmium, cobalt, lead, and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with samples SB-50 (1.5-2.5) and SB-51 (1.5-2.5). Sample interferents levels were reviewed. Validation actions were not required on this basis as sample interferents levels were less than those of the ICSA sample.

MS Results

The laboratory performed the MS on sample SB/MW-48 (24-25) for metals and cyanide (which was reported in case number 220-8900) and also on sample FB 042809 for ICP metals. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS and the resulting validation actions.

Analyte	MS Sample	Recovery (%)	Actions
Arsenic	SB/MW-48 (24-25)	126	Validation actions were not required for arsenic as results were not detected in the associated samples and therefore not affected by the potential high bias.

Laboratory Duplicate Results

The laboratory performed the duplicate analysis on sample SB/MW-48 (24-25) for metals and cyanide (which was reported in case number 220-8900) and also on sample FB 042809 for ICP metals. All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on sample SB/MW-48 (24-25) which was reported in case number 220-8900. All criteria were met.

Detection Limits Results

All criteria were met.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-8934
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 20, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-52 (1.5-2.5)	220-8934-01	VOC, ETPH
SB/MW-53 (1.5-2.5)	220-8934-02	VOC, ETPH
CC-1	220-8934-03	VOC, ETPH
CC-2	220-8934-04	VOC, ETPH
CC-3	220-8934-05	VOC, ETPH
CC-4	220-8934-06	VOC, ETPH
SB-54 (1.5-2.5)	220-8934-07	VOC, ETPH
EB-Chip	220-8934-08	VOC, ETPH
SB-55 (1.5-2.5)	220-8934-09	VOC, ETPH
EB-Auger	220-8934-10	VOC, ETPH
SB-59 (1-2)	220-8934-11	VOC, ETPH
SB-60 (1-2)	220-8934-12	VOC, ETPH

Associated QC Samples(s):	Field Blanks:	EB-Chip, EB-Auger, FB 042809 (reported in 220-8920)
	Field Duplicate pair:	None associated

The above-listed soil and concrete samples and equipment blank samples were collected on April 29, 2009 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, and extractable total petroleum hydrocarbons (ETPH) by the CT method. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times and Sample Preservation
* • Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
  • Initial and Continuing Calibrations
  • Blanks
  • Surrogate Recoveries
  • Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
  • Laboratory Control Sample (LCS) Results

	•	Internal Standards
*	•	Moisture Content
NA	•	Field Duplicate Results
	•	Quantitation Limits and Data Assessment
*	•	Sample Quantitation and Compound Identification

* - *All criteria were met.*

NA – A field duplicate pair was not associated with this sample group.

All results are usable for project objectives with the exception of the VOC results for sample CC-4, with the exception of acetone, styrene, toluene, tetrachloroethene, m&p-xylene, and o-xylene, which were rejected due to surrogate recovery less than 10.

Qualifications applied to the data as a result of sampling error are discussed below.

- *The positive results for ETPH in samples SB-54 (1.5-2.5) and SB-55 (1.5-2.5) were* qualified as nondetect (U) at the reported values due to field blank contamination. The results can be used for project objectives as nondetects with elevated quantitation limits which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for trichlorofluoromethane, 1,1,2-trichloro-1,2,2-trifluoroethane, acetone, carbon tetrachloride, 1,2-dichloroethane, and trans-1,4-dichloro-2-butene in sample EB-Chip and 1,1,2-trichloro-1,2,2-trifluoroethane in EB-Auger were qualified as estimated (UJ) due to continuing calibration nonconformances. The direction of the bias cannot be determined from these nonconformances. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive and nondetect VOC results for sample CC-1, CC-2, CC-3, SB-54 (1.5-2.5), and SB-55 (1.5-2.5) were qualified as estimated (J/UJ) due to low surrogate recoveries. The results may be biased low. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive and nondetect (detected below the reporting limit (RL)) VOC results for acetone, styrene, toluene, tetrachloroethene, m&p-xylene, and o-xylene in sample CC-4 were qualified as estimated (J/UJ) due to surrogate recovery less than 10. The results may be biased low. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The nondetect VOC results, with the exception of acetone, styrene, toluene, tetrachloroethene, m&p-xylene, and o-xylene, in sample CC-4 were rejected (R) due to surrogate recovery less than 10. The results are not usable for project objectives which may have a major impact on the data usability.

- The positive result for acetone in sample EB-Chip was qualified as estimated (J) due to high surrogate recoveries. The result may be biased high. The result can be used for project objectives as an estimated value which may have a minor impact on the data usability.

- The positive and nondetect results for isopropylbenzene, bromobenzene, 1,1,2,2-tetrachloroethene, 1,2,3-trichloropropane, trans-1,4-dichloro-2-butene, n-propylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,3,5-trimethylbenzene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, 4-isopropyltoluene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, n-butylbenzene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, hexachlorobutadiene, naphthalene, and 1,2,3-trichlorobenzene in sample EB-Auger were estimated (J/UJ) due to low internal standard recovery. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive results for acetone in samples EB-Chip and EB-Auger were qualified as estimated (J) due to high LCS recoveries. The results may be biased high. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The nondetect results for carbon disulfide in samples SB-52 (1.5-2.5), SB/MW-53 (1.5-2.5), SB-59 (1-2), and SB-60 (1-2) and bromomethane and carbon disulfide in samples CC-1, CC-2, CC-3, SB-54 (1.5-2.5), and SB-55 (1.5-2.5) were qualified as estimated (UJ) due to low LCS recovery. The results may be biased low. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met in the VOC and ETPH analyses.

GC/MS Tunes

All criteria were met in the VOC analyses.

Initial and Continuing Calibrations

ETPH

All criteria were met.

VOC

Compounds that did not meet criteria in the VOC continuing calibrations are summarized in the following table.

Instrument ID MSV Compound	CC 04/30/09 10:21	CC 05/13/09 09:48
Trichloromethane	XX (37.3%)	
1,1,2-Trichloro-1,2,2-trifluoroethane	XX (61.2%)	XX (49.7%)
Acetone	XX (31.5%)	
Carbon tetrachloride	XX (26.2%)	
1,2-Dichloroethane	XX (26.3%)	
Trans-1,4-dichloro-2-butene	XX (26.7%)	
Samples Affected	EB-Chip	EB-Auger

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (J) positive results.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The nondetect results for trichlorofluoromethane, 1,1,2-trichloro-1,2,2-trifluoroethane, acetone, carbon tetrachloride, 1,2-dichloroethane, and trans-1,4-dichloro-2-butene in sample EB-Chip and 1,1,2-trichloro-1,2,2-trifluoroethane in sample EB-Auger were estimated (J/UJ) due to continuing calibration nonconformances.

Blanks

VOC and ETPH

Target compounds were detected below the reporting limits in select method blanks, field and trip blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at 10x (for common contaminants) and 5x (for other compounds) the concentrations detected. The following table lists the highest level of compounds detected in the VOC laboratory blanks.

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Methylene chloride	Method	2.1 ug/L	21 ug/L	EB-Chip
Acetone	Method	8.8 ug/kg	88 ug/kg	CC-1 RE, CC-2 RE, CC-3 RE, CC-4 RE, SB-54 (1.5-2.5) RE, SB-55 (1.5-2.5) RE
Acetone	EB-Chip	5.4 ug/L, 5.4 ug/kg	54 ug/kg	CC-1, CC-2, CC-3, CC-4
Toluene		0.11 ug/L, 0.11 ug/kg	1.1 ug/kg	
ETPH	EB-Auger	190 ug/L	950 ug/L	SB-54 (1.5-2.5), SB-55 (1.5-2.5)
Acetone		120,000 ug/L	1,200,000 ug/L	
Methyl ethyl ketone		44,000 ug/L	220,000 ug/L	
Carbon disulfide		8500 ug/L	42,500 ug/L	
Methylene chloride		14,000 ug/L	140,000 ug/L	
Toluene		5700 ug/L	57,000 ug/L	
Methylene chloride	FB 042809	8.9 ug/L, 8.9 ug/kg	89 ug/kg	All solid samples
Acetone	FB 042809	6.6 ug/L, 6.6 ug/kg	66 ug/kg	

The positive results for ETPH in samples SB-54 (1.5-2.5) and SB-55 (1.5-2.5) were qualified as nondetect (U) at the reported values due to field blank contamination.

Surrogate Recoveries

ETPH

All criteria were met for samples analyzed at dilutions less than 10-fold.

VOCs

The following table lists the surrogates recovered outside of control limits and the resulting

actions.

Sample Soil Limits AQ Limits	DBFM 59-123 67-133	DCE 59-132 57-121	Tol-d8 50-118 67-121	BFB 34-124 57-121	Validation actions
EB-Chip	-	123%	-	-	Estimate (J) the positive result for acetone in sample EB-Chip.
CC-1	0%	-	-	-	Validation action was not required as the original analysis was not reported.
CC-1 RE	27%	-	-	-	Estimate (J/UJ) the positive and nondetect results.
CC-2	0%	-	-	-	Validation action was not required as the original analysis was not reported.
CC-2 RE	16%	-	-	-	Estimate (J/UJ) the positive and nondetect results.
CC-3	0%	-	-	-	Validation action was not required as the original analysis was not reported.
CC-3 RE	37%	-	-	-	Estimate (J/UJ) the positive and nondetect results.
CC-4	0%	-	49%	-	Validation action was not required as the original analysis was not reported.
CC-4 RE	0%	-	43%	33%	Estimate (J/UJ) the positive and nondetect (detected below the RL) results for acetone, styrene, toluene, tetrachloroethene, m&p-xylene, and o-xylene in sample CC-4. Reject all other results.
SB-54 (1.5-2.5)	0%	-	-	-	Validation action was not required as the original analysis was not reported.
SB-54 (1.5-2.5) RE	33%	-	-	-	Estimate (J/UJ) the positive and nondetect results.
SB-55 (1.5-2.5)	16%	-	-	-	Validation action was not required as the original analysis was not reported.
SB-55 (1.5-2.5) RE	38%	-	-	-	Estimate (J/UJ) the positive and nondetect results.

- Criteria met

MS/MSD Results

MS/MSDs were not associated with the VOC and EPTH analyses. Validation action was not required on this basis.

Internal Standards

The following table lists the internal standards recovered outside of control limits and the resulting actions.

Sample	Internal Standard	Recovery (%)	Validation actions
EB-Auger	1,4-dichlorobenzene-d4	49.5	Estimate (J/UJ) the positive and nondetect results for the associated compounds isopropylbenzene, bromobenzene, 1,1,2,2-tetrachloroethene, 1,2,3-trichloropropane, trans-1,4-dichloro-2-butene, n-propylbenzene, 2-chlorotoluene, 4-chlorotoluene, 1,3,5-trimethylbenzene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, 4-isopropyltoluene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, n-butylbenzene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, hexachlorobutadiene, naphthalene, and 1,2,3-trichlorobenzene in sample EB-Auger.
CC-3	Fluorobenzene	19.9	Validation action was not required. The results from the reanalysis were reported which exhibited acceptable IS areas.
	Chlorobenzene-d5	20.8	
	1,4-dichlorobenzene-d4	12.7	

LCS Results

ETPH

All criteria were met in the ETPH analyses.

VOC and SVOC

The following table lists the compounds recovered outside of control limits in the LCS analyses and the resulting actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Acetone	228	33-150	EB-Chip	Estimate (J) the positive result for acetone in sample EB-Chip.
Methyl ethyl ketone	167	30-150	EB-Chip	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Trans-1,4-dichloro-2-butene	158	53-143		
1,1-Dichloroethene	168	70-134		
Trans-1,2-dichloroethene	125	63-120		
1,1,2-Trichloro-1,2,2-trifluoroethane	197	66-143		
Acetone	171	80-150	All original analyses	Validation actions were not required as the

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Trans-1,4-dichloro-2-butene	128	69-120	for solid samples	affected results were nondetect and therefore not affected by the potential high bias.
Carbon disulfide	53	80-142	All original analyses for solid samples	Estimate (UJ) the nondetect results for carbon disulfide in samples SB-52 (1.5-2.5), SB/MW-53 (1.5-2.5), SB-59 (1-2), and SB-60 (1-2).
Acetone	174	80-150	CC-1 RE, CC-2 RE, CC-3 RE, CC-4 RE, SB-54 (1.5-2.5) RE, SB-55 (1.5-2.5) RE	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Trans-1,4-dichloro-2-butene	123	69-120		
Bromomethane	70	83-150	CC-1 RE, CC-2 RE, CC-3 RE, CC-4 RE, SB-54 (1.5-2.5) RE, SB-55 (1.5-2.5) RE	Estimate (UJ) the nondetect results for bromomethane and carbon disulfide in samples CC-1, CC-2, CC-3, SB-54 (1.5-2.5), and SB-55 (1.5-2.5). Validation actions were not required for sample CC-4 as the results were previously rejected due to poor surrogate recoveries.
Carbon disulfide	49	80-142		
Acetone	160	33-150	EB-Auger	Estimate (J) the positive result for acetone in sample EB-Auger.
Trans-1,4-dichloro-2-butene	150	54-143	EB-Auger	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Dichlorodifluoromethane	218	30-150		
1,1-Dichloroethene	145	70-134		
1,1,2-Trichloro-1,2,2-trifluoroethane	181	66-143		

Moisture Content

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

Quantitation Limits and Data Assessment

The following table lists the sample dilutions and analyses which were performed and reported.

Sample	VOC Analysis Reported	ETPH Analysis Reported
EB-Auger	A 10,000-fold dilution analysis was performed.	
CC-1	Due to poor surrogate recoveries, the sample was reanalyzed. The reanalysis was reported as the surrogate recoveries were better.	NR
CC-2	Due to poor surrogate recoveries, the sample was reanalyzed. The reanalysis was reported as the surrogate recoveries were better.	NR
CC-3	Due to poor internal standard areas and surrogate recoveries, the sample was reanalyzed. Report the reanalysis results as the IS areas were acceptable in the reanalysis.	NR
CC-4	Due to poor surrogate recoveries, the sample was reanalyzed. Results were similar in the reanalysis. The reanalysis was reported.	A 25-fold dilution analysis was performed.
SB-54 (1.5-2.5)	Due to poor surrogate recoveries, the sample was reanalyzed. The reanalysis was reported as the surrogate recoveries were better.	NR
SB-55 (1.5-2.5)	Due to poor surrogate recoveries, the sample was reanalyzed. The reanalysis was reported as the surrogate recoveries were better.	NR

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC and ETPH analyses.

Site:	MacDermid Project, Waterbury, CT
Laboratory:	Test America, Shelton, CT
Report No.:	220-8934
Reviewer:	Lorie MacKinnon/GEI Consultants
Date:	June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-52 (1.5-2.5)	220-8934-01	Metals, Cyanide
SB/MW-53 (1.5-2.5)	220-8934-02	Metals, Cyanide
CC-1	220-8934-03	Metals, Cyanide
CC-2	220-8934-04	Metals, Cyanide
CC-3	220-8934-05	Metals, Cyanide
CC-4	220-8934-06	Metals, Cyanide
SB-54 (1.5-2.5)	220-8934-07	Metals, Cyanide
EB-Chip	220-8934-08	Metals, Cyanide
SB-55 (1.5-2.5)	220-8934-09	Metals, Cyanide
EB-Auger	220-8934-10	Metals, Cyanide
SB-59 (1-2)	220-8934-11	Metals, Cyanide
SB-60 (1-2)	220-8934-12	Metals, Cyanide
Associated QC Samples(s):	Field Blanks:	EB-Chip, EB-Auger, FB 042809 (reported in 220-8920)
	Field Duplicate pair:	None associated

The above-listed soil and concrete samples and equipment blank samples were collected on April 29, 2009 and were analyzed for select metals by SW-846 methods 6010B/7470/7471A and cyanide by SW-846 method 9012B. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

* • Overall Evaluation of Data and Potential Usability Issues
• Data Completeness
* • Holding Times and Sample Preservation
* • Instrument Calibration
* • Contract Required Quantitation Limit (CRQL) Standard Recoveries
• Blank Analysis Results
• Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
* • Laboratory Duplicate Results
NA • Field Duplicate Results

* • Laboratory Control Sample (LCS) Results
* • Serial Dilution Results
* • Moisture Content
  • Detection Limits Results
* • Sample Quantitation Results

* - All criteria were met for this parameter.

NA- A field duplicate pair was not associated with this sample group.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for cadmium in samples CC-1, CC-2, CC-3, and CC-4 and lead in samples CC-1, CC-3, and CC-4 were qualified as estimated (UJ) due to negative interference in the ICSA sample analysis. The results may be biased low. The results are usable for project objectives as nondetects with estimated quantitation limits which may have a minor effect on the data usability.

- The nondetect results for cyanide in samples EB-Auger and EB-Chip were qualified as estimated (UJ) due to low recovery in the MS analysis. The results may be biased low. The results are usable for project objectives as nondetects with estimated quantitation limits which may have a minor effect on the data usability.

Data Completeness

The data package was complete with the following exception: The laboratory did not report the result for cobalt in samples EB-Chip and EB-Auger. The validation reviewed the ICP raw data and reported the result for cobalt for samples EB-Chip and EB-Auger on the reporting form.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met.

CRQL Standard Recoveries

All recovery criteria were met.

Blank Results

Analytes were not detected in the metals laboratory blank samples. Target analytes were not detected in the equipment blank sample EB-Chip and the associated field blank FB 042809, which was reported in case number 220-8920. Nickel was detected in the equipment blank sample, EB-Auger, which was associated with samples SB-54 (1.5-2.5) and SB-55 (1.5-2.5). Analytes which were detected in the project samples at levels less than five times those in the blanks were qualified as nondetect (U). The following table summarizes the contamination.

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Nickel	EB-Auger	SB-54 (1.5-2.5), SB-55 (1.5-2.5)	1.9 ug/L, 0.24 mg/kg	1.19 mg/kg

Blank Actions

If the sample result is < QL and < action level; report the result as nondetect (U) at the QL.
If the sample result is ≥ QL and < action level; report the sample result as nondetect (U) at the reported value.
For negative blank contamination ≥2 MDL; professional judgement was taken to estimate (J/UJ) those results which were less than the action level.

Validation actions were not required on this basis.

ICP ICS Results

All analytes were recovered within control limits in the ICSAB sample analysis.

Positive results for barium, chromium, and vanadium and negative results for silver, cadmium, cobalt, and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with sample SB-52 (1.5-2.5). Positive results for barium, chromium, and vanadium and negative results for cadmium, cobalt, lead, and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with the remaining samples. Sample interferent levels were reviewed. Calcium was present in samples CC-1 (107%), CC-2 (91%), CC-3 (99%), and CC-4 (88%) at similar or greater levels to that of the ICSA solution. The following table lists the estimated interferences and resulting validation actions.

Sample	Analyte	Sample Result (ug/L)	Estimated Interference (ug/L)	Actions
CC-1	Barium	1004	1.2	Interference was <10%; No action taken.
	Cadmium	ND	-1.7	Estimate (UJ) the nondetect result for cadmium.
	Cobalt	33.6	-3.2	Interference was <10%; No action taken.
	Chromium	118.5	1.2	Interference was <10%; No action taken.
	Lead	ND	-4.1	Estimate (UJ) the nondetect result for lead.
	Vanadium	233	1.8	Interference was <10%; No action taken.
	Zinc	236	-11.4	Interference was <10%; No action taken.
CC-2	Barium	875	1.0	Interference was <10%; No action taken.
	Cadmium	ND	-1.5	Estimate (UJ) the nondetect result for cadmium.
	Cobalt	40.2	-2.7	Interference was <10%; No action taken.
	Chromium	147	1.0	Interference was <10%; No action taken.
	Lead	45.8	-3.5	Interference was <10%; No action taken.
	Vanadium	231	1.5	Interference was <10%; No action taken.
	Zinc	261	-9.7	Interference was <10%; No action taken.
CC-3	Barium	874	1.1	Interference was <10%; No action taken.
	Cadmium	ND	-1.6	Estimate (UJ) the nondetect result for cadmium.
	Cobalt	38.6	-3.0	Interference was <10%; No action taken.
	Chromium	142	1.1	Interference was <10%; No action taken.
	Lead	ND	-3.8	Estimate (UJ) the nondetect result for lead.
	Vanadium	214.5	1.7	Interference was <10%; No action taken.
	Zinc	247	-10.7	Interference was <10%; No action taken.
CC-4	Barium	794	-0.97	Interference was <10%; No action taken.
	Cadmium	ND	-1.4	Estimate (UJ) the nondetect result for cadmium.
	Cobalt	36.7	-2.6	Interference was <10%; No action taken.
	Chromium	133.6	0.97	Interference was <10%; No action taken.
	Lead	ND	-3.3	Estimate (UJ) the nondetect result for lead.
	Vanadium	209.5	1.5	Interference was <10%; No action taken.
	Zinc	241	-9.4	Interference was <10%; No action taken.

MS Results

The laboratory performed the MS on sample SB/MW-48 (24-25) (reported in case number 220-8900) for metals and cyanide, sample EB-Auger for ICP metals, and on sample EB-Chip for cyanide. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS and the resulting validation actions.

Analyte	MS Sample	Recovery (%)	Actions
Cyanide	EB-Chip	31	Estimate (UJ) the nondetect results for cyanide in aqueous samples EB-Auger and EB-Chip.
Arsenic	SB/MW-48 (24-25)	126	Validation actions were not required for arsenic as results were not detected in the associated samples and therefore not affected by the potential high bias.

Laboratory Duplicate Results

The laboratory performed the duplicate analysis on sample SB/MW-48 (24-25) (reported in case number 220-8900) for metals and cyanide, sample EB-Auger for ICP metals, and on sample EB-Chip for cyanide.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on SB/MW-48 (24-25) (reported in case number 220-8900). All criteria were met.

Detection Limits Results

Dilutions were not required.

The aqueous reporting limit for mercury was found to be calculated without the sample preparation factor (25 ml initial sample to 50 ml final volume). The validator edited the aqueous mercury reporting limits for all aqueous samples to reflect the sample preparation dilution.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-8960
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-61	220-8960-01	VOC, ETPH, PCBs
SB/MW-62	220-8960-02	VOC, ETPH, PCBs
CC-5	220-8960-03	VOC, ETPH
FB 043009	220-8960-04	VOC, ETPH, PCBs
TB 043009	220-8960-05	VOC

Associated QC Samples(s): Field Blanks: FB 043009, TB 043009
Field Duplicate pair: None associated

The above-listed soil and concrete chip samples, field blank, and trip blank samples were collected on April 30, 2009 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, polychlorinated biphenyls (PCBs) by SW-846 method 8082, and extractable total petroleum hydrocarbons (ETPH) by the CT method. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

*	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	•	Initial and Continuing Calibrations
	•	Blanks
	•	Surrogate Recoveries
*	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
	•	Laboratory Control Sample (LCS) Results
*	•	Internal Standards
*	•	Moisture Content
NA	•	Field Duplicate Results
	•	Quantitation Limits and Data Assessment
*	•	Sample Quantitation and Compound Identification

* - All criteria were met.

NA – A field duplicate pair was not associated with this sample group.

All results are usable for project objectives with the exception of all VOC results with the exception of acetone, methyl isobutyl ketone, n-propylbenzene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylene, and o-xylene in sample CC-5, which were rejected due to surrogate recovery less than 10.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for hexachlorobutadiene in samples FB 043009 and TB 043009 were qualified as estimated (UJ) due to continuing calibration nonconformances. The direction of the bias cannot be determined from these nonconformances. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive and nondetect (detected below the reporting limit (RL)) results for methyl isobutyl ketone, n-propylbenzene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylene, and o-xylene in sample CC-5 were estimated (J/UJ) due to low surrogate recoveries. The results may be biased low. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The nondetect results for all VOC results with the exception of acetone, methyl isobutyl ketone, n-propylbenzene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylene, and o-xylene in sample CC-5 were rejected (R) due to surrogate recoveries less than 10. The results cannot be used for project objectives which may have a major impact on the data usability.

- The positive and nondetect results for carbon disulfide in samples SB-61 and SB/MW-62 were qualified as estimated (J/UJ) due to low LCS recovery. The results may be biased low. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met in the VOC, ETPH, and PCB analyses.

GC/MS Tunes

All criteria were met in the VOC analyses.

Initial and Continuing Calibrations

PCBs and ETPH

All criteria were met.

VOC

Compounds that did not meet criteria in the VOC continuing calibrations are summarized in the following table.

Instrument ID MSW Compound	CC 05/05/09 12:03
Hexachlorobutadiene	XX (32.6%)
Samples Affected	FB 043009, TB 043009

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (J) positive results.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The nondetect results for hexachlorobutadiene in samples FB 043009 and TB 043009 were estimated (UJ) due to continuing calibration nonconformances.

Blanks

PCBs and ETPH

Target compounds were not detected in the associated method blank samples.

VOC

Methylene chloride and acetone were detected below the reporting limit (RL) in select method blank samples, field blank sample, and associated equipment blank sample EB-Chip, which was reported in case number 220-8934. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at 10x (for common contaminants) and 5x (for other compounds) the concentrations detected. The following table lists the highest level of compounds detected in the VOC laboratory blanks.

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Acetone	EB-Chip	5.4 ug/L, 5.4 ug/kg	54 ug/kg	CC-5
Toluene	EB-Chip	0.11 ug/L, 0.11 ug/kg	0.55 ug/kg	
Acetone	FB 043009	5.3 ug/L, 5.3 ug/kg	53 ug/kg	All solid samples
Methylene chloride	Method	1.1 ug/L	11 ug/L	FB 043009, TB 043009

Validation actions were not required as sample results were reported nondetect down to the reporting limit.

Surrogate Recoveries

ETPH and PCBs

All criteria were met for samples analyzed at dilutions less than 10-fold.

VOCs

The following table lists the surrogates recovered outside of control limits and the resulting actions.

Sample Soil Limits	DBFM 60-130	DCE 49-134	Tol-d8 51-137	BFB 36-133	Validation actions
CC-5 CC-5 RE	0% 0%	- -	- -	- -	Estimate (J/UJ) the positive and nondetect (detected below the RL) results for acetone, methyl isobutyl ketone, n-propylbenzene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylene, and o-xylene from the original analysis. Reject (R) the remaining nondetect results for sample CC-5.

- Criteria met

MS/MSD Results

MS/MSDs were not associated with the VOC, PCB, and EPTH analyses. Validation action was not required on this basis.

Internal Standards

All criteria were met in the VOC analyses.

LCS Results

VOC

The following table lists the compounds recovered outside of control limits in the LCS VOC analyses and the resulting actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Trans-1,4-dichloro-2-butene	125	55-120	FB 043009, TB 043009	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Acetone	192	41-150		
1,1-Dichloropropene	125	60-124		
1,1,2-Trichloro-1,2,2-trifluoroethene	152	66-147		
Acetone	230	80-150	SB-61, SB/MW-62, CC-5	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Trans-1,4-dichloro-2-butene	136	69-120		
Carbon Disulfide	60	80-142	SB-61, SB/MW-62, CC-5	Estimate (J/UJ) the positive and nondetect result for carbon disulfide in samples SB-61 and SB/MW-62. Validation action was not required for sample CC-5 as the result was rejected due to poor surrogate recovery.

PCBs and ETPH

All criteria were met in the PCB and ETPH analyses.

Moisture Content

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

Quantitation Limits and Data Assessment

The following table lists the sample dilutions and analyses which were performed and reported.

Sample	VOC Analysis Reported	PCB Analysis Reported	ETPH Analysis Reported
CC-5	Due to extremely poor surrogate recoveries, the sample was re-extracted. As matrix interference was confirmed in the re-extraction, the original analysis was reported.	NR	NR
SB-61	NR	NR	A 10-fold dilution analysis was performed.

NR- A dilution or reanalysis was not required

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC, PCB, and ETPH analyses.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-8960
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-61	220-8960-01	Metals, Cyanide
SB/MW-62	220-8960-02	Metals, Cyanide
CC-5	220-8960-03	Metals, Cyanide
FB 043009	220-8960-04	Metals, Cyanide

Associated QC Samples(s): Field Blanks: FB 043009
Field Duplicate pair: None associated

The above-listed soil and concrete samples and field blank sample were collected on April 30, 2009 and were analyzed for select metals by SW-846 methods 6010B/7470/7471A and cyanide by SW-846 method 9012B. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

* • Overall Evaluation of Data and Potential Usability Issues
* • Data Completeness
* • Holding Times and Sample Preservation
* • Instrument Calibration
• Contract Required Quantitation Limit (CRQL) Standard Recoveries
• Blank Analysis Results
• Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
• Laboratory Duplicate Results
NA • Field Duplicate Results
* • Laboratory Control Sample (LCS) Results
* • Serial Dilution Results
* • Moisture Content
• Detection Limits Results
* • Sample Quantitation Results

* - All criteria were met for this parameter.

NA- A field duplicate pair was not associated with this sample group.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect result for lead in sample FB 043009 was estimated (UJ) due to low recovery in the CRDL analysis. The result may be biased low. The result is usable for project objectives as a nondetect with an estimated quantitation limit which may have a minor effect on the data usability.

- The nondetect results for silver, cadmium, antimony, selenium, and tin in sample CC-5 were qualified as estimated (UJ) due to negative interferences in the ICSA sample analysis. The results may be biased low. The results are usable for project objectives as nondetects with estimated quantitation limits which may have a minor effect on the data usability.

- The positive results for arsenic in sample SB/MW-62 and barium, copper, and zinc in samples SB-61, SB/MW-62, and CC-5 were qualified as estimated (J) due to high recoveries in the MS analysis. The result may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

- The positive results for chromium in samples SB-61, SB/MW-62, and CC-5 were qualified as estimated (J) due to high relative percent difference (RPD) in the laboratory duplicate analysis. The direction of the bias cannot be determined from this nonconformance. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met

CRQL Standard Recoveries

The following table lists the recoveries which were outside the control limits in the contract required quantitation limit (CRQL) standards and the resulting validation actions.

The affected level range was determined by two times the true value of the CRQL standard analyzed.

Analyte	Recovery	Associated Samples	Validation Actions
Lead	66%	FB 043009	The nondetect result for lead in sample FB 043009 was estimated (UJ).

Blank Results

Analytes were detected in the metals laboratory blank samples. Analytes which were detected in the project samples at levels less than five times those in the blanks were qualified as nondetect (U). The following table summarizes the contamination.

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Barium	Instrument	SB/MW-62, CC-5	1.2 ug/L, 0.15 mg/kg	0.75 mg/kg
Cadmium	Method	SB/MW-62, CC-5	0.30 mg/kg	1.5 mg/kg
Zinc	Instrument	SB/MW-62, CC-5	17.0 ug/L, 2.1 mg/kg	10.6 mg/kg
Tin	Instrument	All samples	1.2 mg/kg	6.0 mg/kg

Blank ActionsMethod

If the sample result is < QL and < action level; report the result as nondetect (U) at the QL.
If the sample result is ≥ QL and < action level; report the sample result as nondetect (U) at the reported value.
For negative blank contamination ≥2 MDL; professional judgement was taken to estimate (J/UJ) those results which were less than the action level.

Validation actions were not required on this basis.

Target analytes were not detected in the field blank FB 043009, which was associated with all samples.

ICP ICS Results

Thallium (74%) was recovered below the control limits in the ICSAB analysis associated with sample FB 043009. Validation actions were not required on this basis as the sample interferents levels were less than those of the ICSAB sample.

Positive results for barium, chromium, and vanadium and negative results for silver, cadmium, cobalt, and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with sample SB-61. Positive results for barium, chromium, nickel, tin, and vanadium and negative results for silver and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with sample FB 043009. Positive results for arsenic, barium, chromium, copper, thallium, and vanadium and negative results for silver, beryllium, cadmium, nickel, antimony, selenium, tin, and zinc were detected above the method detection limit

(MDL) in the ICSA solution analysis associated with samples SB/MW-62 and CC-5. Sample interferents levels were reviewed. Sample interferent levels were reviewed. Calcium was present in sample CC-5 (132%) at a greater level than that of the ICSA solution. The following table lists the estimated interferences and resulting validation actions.

Sample	Analyte	Sample Result (ug/L)	Estimated Interference (ug/L)	Actions
CC-5	Silver	ND	-2.6	Estimate (UJ) the nondetect result for silver.
	Arsenic	ND	22.7	Validation action was not required.
	Barium	184J	5.7	Interference was <10%; No action taken.
	Beryllium	ND	-0.86	Interference was <10%; No action taken.
	Cadmium	ND	-6.9	Estimate (UJ) the nondetect result for cadmium.
	Chromium	182	0.92	Interference was <10%; No action taken.
	Copper	162	2.8	Interference was <10%; No action taken.
	Nickel	142	-8.2	Interference was <10%; No action taken.
	Antimony	ND	-9.2	Estimate (UJ) the nondetect result for antimony.
	Selenium	ND	-67.7	Estimate (UJ) the nondetect result for selenium.
	Tin	ND	-6.7	Estimate (UJ) the nondetect result for tin.
	Thallium	ND	24.7	Validation action was not required.
	Vanadium	267	4.0	Interference was <10%; No action taken.
	Zinc	658	-8.2	Interference was <10%; No action taken.

MS Results

The laboratory performed the MS on sample SB/MW-62 for metals and cyanide and also on sample FB 043009 for ICP metals. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS and the resulting validation actions.

Analyte	MS Sample	Recovery (%)	Actions
Arsenic	SB/MW-62	366	Estimate (J) the positive result for arsenic in sample SB/MW-62.
Barium		127	Estimate (J) the positive results for barium, copper, and zinc in samples SB-61, SB/MW-62, and CC-5.
Copper		274	
Zinc		126	

Laboratory Duplicate Results

The laboratory performed the duplicate analysis on sample SB/MW-62 for metals and cyanide and also on sample FB 043009 for ICP metals. The following table lists the

analytes which exhibited RPDs outside of the control limit and the resulting validation actions.

Analyte	Duplicate Sample	RPD (%)	Actions
Chromium	SB/MW-62	44	Estimate (J) the positive results for chromium in samples SB-61, SB/MW-62, and CC-5.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on sample SB/MW-62. All criteria were met.

Detection Limits Results

Due to the high target analyte levels, ICP sample SB-61 was analyzed at a five-fold dilution.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: SPLP Analyses: 220-8900, 220-8920, 220-8934, 220-8960, 220-8986, 220-8994, 220-9062
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB/MW-47 (24-25)	220-8900-03	SPLP Metals
SB/MW-48 (24-25)	220-8900-04	SPLP Metals
SB/MW-49 (1.5-2.5)	220-8920-01	SPLP Metals
SB/MW-50 (1.5-2.5)	220-8920-02	SPLP Metals
SB/MW-51 (1.5-2.5)	220-8920-03	SPLP Metals
SB-52 (1.5-2.5)	220-8934-01	SPLP Metals
SB/MW-53 (1.5-2.5)	220-8934-02	SPLP Metals
CC-1	220-8934-03	SPLP Metals
CC-2	220-8934-04	SPLP Metals
CC-3	220-8934-05	SPLP Metals
CC-4	220-8934-06	SPLP Metals
SB-54 (1.5-2.5)	220-8934-07	SPLP Metals
SB-55 (1.5-2.5)	220-8934-09	SPLP Metals
SB-59 (1-2)	220-8934-11	SPLP Metals
SB-60 (1-2)	220-8934-12	SPLP Metals
SB-61	220-8960-01	SPLP Metals
SB/MW-62	220-8960-02	SPLP Metals
CC-5	220-8960-03	SPLP Metals
CC-6	220-8986-01	SPLP Metals
CC-7	220-8986-02	SPLP Metals
CC-8	220-8986-03	SPLP Metals
SB-63 (1-5)	220-8986-06	SPLP Metals
SB-64 (1-3)	220-8986-07	SPLP Metals
SB-66 (5-7)	220-8986-09	SPLP Metals
SB-67 (2-3)	220-8986-10	SPLP Metals
SB-68 (2-5)	220-8986-11	SPLP Metals
SB-69 (2-5)	220-8986-12	SPLP Metals
SB-70 (2-5)	220-8986-13	SPLP Metals
SB-71 (12.5-14.5)	20-8994-01	SPLP Metals
SB-72 (12.5-14.5)	20-8994-02	SPLP Metals

SB-171 (12.5-14.5)	20-8994-03	SPLP Metals
CC-9	220-9062-01	SPLP Metals
CC-10	220-9062-02	SPLP Metals
Associated QC Samples(s):	Field Blanks:	None associated
	Field Duplicate pair:	SB-71 (12.5-14.5)/SB-171 (12.5-14.5)

The above-listed soil and concrete samples were collected on April 27, 28, 29, and 30 and May 1, 4, and 13, 2009 and were analyzed for select SPLP metals by SW-846 methods 6020. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

* • *Overall Evaluation of Data and Potential Usability Issues*
* • Data Completeness
* • Holding Times and Sample Preservation
* • Instrument Calibration
* • Contract Required Quantitation Limit (CRQL) Standard Recoveries
  • Blank Analysis Results
* • Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
* • Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
* • Laboratory Duplicate Results
* • Field Duplicate Results
* • Laboratory Control Sample (LCS) Results
* • Serial Dilution Results
* • Detection Limits Results
* • Sample Quantitation Results

* - All criteria were met for this parameter.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The positive results for chromium in samples CC-2, CC-3, CC-4, and SB-63 (1-5) and copper in sample CC-4 were qualified as nondetect (U) at the reported values due to laboratory blank contamination. The results are usable for project objectives as nondetects with elevated quantitation limits which may have a minor effect on the data usability.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met.

CRQL Standard Recoveries

All recovery criteria were met.

Blank Results

Analytes were detected in the metals laboratory blank samples. Analytes which were detected in the project samples at levels less than five times those in the blanks were qualified as nondetect (U). The following table summarizes the contamination.

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Chromium	Leachate Blank	SB/MW-47 (24-25), SB/MW-48 (24-25)	1.7 ug/L	8.5 ug/L
Lead	Method		0.61 ug/L	3.1 ug/L
Chromium	Leachate Blank	SB/MW-49 (1.5-2.5), SB/MW-50 (1.5-2.5), SB/MW-51 (1.5-2.5)	1.6 ug/L	8.0 ug/L
Lead	Method		0.61 ug/L	3.1 ug/L
Vanadium	Leachate Blank		0.56 ug/L	2.8 ug/L
Antimony	Instrument	SB-52 (1.5-2.5), SB/MW-53 (1.5-2.5), CC-1, CC-2, CC-3, CC-4, SB-54 (1.5-2.5), SB-55 (1.5-2.5), SB-59 (1-2), SB-60 (1-2)	0.33 ug/L, 1.65 ug/L	8.25 ug/L
Chromium	Leachate Blank		1.7 ug/L	8.5 ug/L
Copper	Leachate Blank		1.1 ug/L	5.5 ug/L
Lead	Method		0.61 ug/L	3.1 ug/L
Thallium	Instrument		0.29 ug/L, 1.45 ug/L	7.25 ug/L
Zinc	Method		3.9 ug/L	19.5 ug/L
Tin	Instrument		1.2 ug/L, 6.0 ug/L	30 ug/L
Antimony	Instrument	SB-61, SB/MW-62, CC-5	0.32 ug/L, 1.6 ug/L	8.0 ug/L
Chromium	Leachate Blank		1.5 ug/L	7.5 ug/L
Copper	Leachate Blank		1.3 ug/L	6.5 ug/L

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Lead	Instrument		0.11 ug/L, 0.55 ug/L	2.75 ug/L
Chromium	Leachate Blank	CC-6, CC-7, CC-8, SB-63 (1-5), SB-64 (1-3), SB-66 (5-7), SB-67 (2-3), SB-68 (2-5), SB-69 (2-5), SB-70 (2-5), SB-71 (12.5-14.5), SB-72 (12.5-14.5), SB-171 (12.5-14.5)	1.5 ug/L	7.5 ug/L
Lead	Instrument		0.11 ug/L, 0.55 ug/L	2.75 ug/L
Arsenic	Instrument	CC-9, CC-10	0.11 ug/L, 0.55 ug/L	2.75 ug/L
Chromium	Leachate Blank		1.4 ug/L	7.0 ug/L
Lead	Instrument		0.16 ug/L, 0.8 ug/L	4.0 ug/L

Blank Actions

If the sample result is < QL and < action level; report the result as nondetect (U) at the QL.
If the sample result is ≥ QL and < action level; report the sample result as nondetect (U) at the reported value.
For negative blank contamination ≥2 MDL; professional judgement was taken to estimate (J/UJ) those results which were less than the action level.

The positive results for chromium in samples CC-2, CC-3, CC-4, and SB-63 (1-5) and copper in sample CC-4 were qualified as nondetect (U) at the reporting values due to laboratory contamination.

ICP ICS Results

All analytes were recovered within control limits in the ICSAB sample analysis.

Results were not detected above the MDL in the ICSA analyses.

MS Results

The laboratory performed an MS/MSD analysis on sample CC-9. All criteria were met.

Laboratory Duplicate Results

The laboratory performed an MS/MSD analysis and laboratory duplicate analysis on sample CC-9. All criteria were met.

Field Duplicate Results

The field duplicate pair of SB-71 (12.5-14.5) and SB-171 (12.5-14.5) were identified. All results were nondetect in these samples.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on sample CC-9. All criteria were met.

Detection Limits Results

Dilutions were not required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Site:	MacDermid Project, Waterbury, CT
Laboratory:	Test America, Shelton, CT
Report No.:	220-8986
Reviewer:	Lorie MacKinnon/GEI Consultants
Date:	June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-6	220-8986-01	VOC, ETPH
CC-7	220-8986-02	VOC, ETPH
CC-8	220-8986-03	VOC, ETPH
Trip Blank 050109	220-8986-04	VOC
Field Blank 050109	220-8986-05	VOC
SB-63 (1-5)	220-8986-06	VOC, SVOC
SB-64 (1-3)	220-8986-07	VOC, SVOC
SB-66 (5-7)	220-8986-09	VOC, ETPH
SB-67 (2-3)	220-8986-10	VOC, ETPH
SB-68 (2-5)	220-8986-11	VOC, ETPH
SB-69 (2-5)	220-8986-12	VOC, ETPH
SB-70 (2-5)	220-8986-13	VOC, ETPH

Associated QC Samples(s):	Field Blanks:	Field blank 050109, Trip Blank 050109, EB-Chip (reported in 220-8934)
	Field Duplicate pair:	None associated

The above-listed soil and concrete chip samples, field blank, and trip blank sample were collected on May 1, 2009 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, semivolatile organic compounds (SVOCs) by SW-846 method 8270, and extractable total petroleum hydrocarbons (ETPH) by the CT method. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

* Data Completeness
* Holding Times and Sample Preservation
* Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
* Initial and Continuing Calibrations
* Blanks
* Surrogate Recoveries
* Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results

	•	Laboratory Control Sample (LCS) Results
	•	Internal Standards
*	•	Moisture Content
NA	•	Field Duplicate Results
	•	Quantitation Limits and Data Assessment
*	•	Sample Quantitation and Compound Identification

* - All criteria were met.

NA – A field duplicate pair was not associated with this sample group.

All results are usable for project objectives.

Qualifications applied to the data as a result of sampling error are discussed below.

- The positive results for acetone in samples CC-7 and CC-8 were qualified as nondetect (U) at the reported values due to field blank contamination. The results can be used for project objectives as nondetects which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- The positive and nondetect results for dichlorodifluoromethane, 1,1,2-trichloro-1,2,2-trifluoroethane, acetone, and acrylonitrile in samples Trip blank 050109 and Field blank 050109 were qualified as estimated (J/UJ) due to continuing calibration nonconformances. The direction of the bias cannot be determined from these nonconformances. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive results for ethylbenzene, m,p-xylene, and o-xylene in sample CC-8 were qualified as estimated (J) due to high surrogate recoveries. The results may be biased high. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The positive and nondetect VOC results for sample CC-6 and all VOC results, with the exception of ethylbenzene, m,p-xylene, and o-xylene, in sample CC-8 were qualified as estimated (J/UJ) due to low surrogate recoveries. The results may be biased low. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive and nondetect results for all VOC results, with the exception of ethylbenzene, m,p-xylene, and o-xylene, in sample CC-8 were estimated (J/UJ) due to low internal standard recoveries. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The blank-qualified nondetect results for acetone in samples CC-7 and CC-8 were qualified as estimated (J) due to high LCS recovery. The results may be biased high. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The nondetect results for 2,4-dinitrophenol in samples SB-63 (1-5) and SB-64 (1-3) were qualified as estimated (UJ) due to low LCS recovery. The results may be biased low. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met in the VOC, SVOC, and ETPH analyses.

GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

Initial and Continuing Calibrations

SVOCs and ETPH

All criteria were met.

VOC

Compounds that did not meet criteria in the VOC continuing calibrations are summarized in the following table.

Instrument ID MSV Compound	CC 05/14/09 13:42	CC 05/15/09 11:00
Dichlorodifluoromethane	XX (41.8%)	XX (43.1%)

Instrument ID MSV Compound	CC 05/14/09 13:42	CC 05/15/09 11:00
1,1,2-Trichloro-1,2,2-trifluoroethane	XX (38.0%)	XX (38.7%)
Acetone	XX (25.6%)	
Acrylonitrile	XX (27.7%)	
Carbon tetrachloride		XX (34.3%)
Samples Affected	Trip blank 050109, Field blank 050109	Medium level analyses of CC-7 and CC-8

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (J) positive results.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The positive and nondetect results for dichlorodifluoromethane, 1,1,2-trichloro-1,2,2-trifluoroethane, acetone, and acrylonitrile in samples Trip blank 050109 and Field blank 050109 were estimated (J/UJ) due to continuing calibration nonconformances.

Validation actions were not required for dichlorodifluoromethane, 1,1,2-trichloro-1,2,2-trifluoroethane, and carbon tetrachloride in the medium level analyses as these compounds were not reported from the medium levels.

Blanks

VOC and SVOC

Target compounds were detected below the reporting limits in select method blanks, field and trip blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at 10x (for common contaminants) and 5x (for other compounds) the concentrations detected. The following table lists the highest level of compounds detected in the VOC laboratory blanks.

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Acetone	Method	1.1 ug/L	11 ug/L	Trip Blank 050109, Field Blank 050109
Methylene chloride	Method	0.90 ug/L	9.0 ug/L	
Methyl ethyl ketone	Method	320 ug/kg	1600 ug/kg	Medium level analyses: CC-

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Chloromethane	Method	83 ug/kg	415 ug/kg	7 and CC-8
Acetone	FB 050109	8.0 ug/L, 8.0 ug/kg	80 ug/kg	All solid samples
Toluene	TB 050109	0.58 ug/L, 0.58 ug/kg	5.8 ug/kg	
Bis (2-ethylhexyl)phthalate	Method	140 ug/kg	700 ug/kg	SB-63 (1-5), SB-64 (1-3)

The positive results for acetone in samples CC-7 and CC-8 were qualified as nondetect (U) at the reported values due to field blank contamination.

ETPH

Target compounds were not detected above the reporting limits in the associated method blank samples.

Surrogate Recoveries

ETPH and SVOC

All criteria were met for samples analyzed at dilutions less than 10-fold.

VOCs

The following table lists the surrogates recovered outside of control limits and the resulting actions.

Sample Soil Limits	DBFM 59-123	DCE 59-132	Tol-d8 50-118	BFB 34-124	Validation actions
CC-6	11%	-	-	-	Estimate (J/UJ) the positive and nondetect results.
CC-6 RE	0%	-	-	-	Validation action was not required as the original analysis was not reported.
CC-8	29%	-	-	-	Estimate (J/UJ) the positive and nondetect results.
CC-8 Med	126%	-	-	-	Estimate (J) the positive results for ethylbenzene, m,p-xylene, and o-xylene, which were reported from the medium level analysis.

- Criteria met

MS/MSD Results

MS/MSDs were not associated with the VOC, SVOC, and EPTH analyses. Validation action was not required on this basis.

Internal Standards

The following table lists the internal standards recovered outside of control limits and the resulting actions.

Sample	Internal Standard	Recovery (%)	Validation actions
CC-8	Fluorobenzene	36.8	Estimate (J/UJ) the positive and nondetect results for all results, with the exception of ethylbenzene, m,p-xylene, and o-xylene, which were reported from the medium level analysis with acceptable IS areas.
	Chlorobenzene-d5	36.2	
	1,4-dichlorobenzene-d4	34.4	

LCS Results

ETPH

All criteria were met in the ETPH analyses.

VOC and SVOC

The following table lists the compounds recovered outside of control limits in the LCS analyses and the resulting actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Acetone	241	80-150	CC-6 RE, SB-70 (2-5)	Validation actions were not required as the reanalysis of sample CC-6 was not reported and all affected results in sample SB-70 (2-5) were nondetect and therefore not affected by the potential high bias.
Methyl ethyl ketone	165	80-150		
Chloromethane	150	69-143		
Trans-1,4-dichloro-2-butene	132	69-120		
Dichlorodifluoromethane	195	65-150		
Vinyl chloride	141	70-137		

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Acetone	244	80-150	CC-6, CC-7, CC-8, SB-63 (1-5), SB-64 (1-3), SB-66 (5-7), SB-67 (2-3), SB-68 (2-5), SB-69 (2-5)	Estimate (UJ) the blank-qualified nondetect results for acetone in samples CC-7 and CC-8.
Methyl ethyl ketone	203	80-150	CC-6, CC-7, CC-8, SB-63 (1-5), SB-64 (1-3), SB-66 (5-7), SB-67 (2-3), SB-68 (2-5), SB-69 (2-5)	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Trans-1,4-dichloro-2-butene	151	69-120		
2-Hexanone	177	76-150		
Methyl isobutyl ketone	141	74-136		
Dichlorodifluoromethane	164	30-150	FB 050109, TB 050109	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
1,1,2-Trichloro-1,2,2-trifluoroethane	151	66-143		
Acetone	201	46-150	Medium level analyses of samples CC-7 and CC-8	Validation actions were not required as the affected results were not reported from the medium level analyses.
Dichlorodifluoromethane	179	71-150		
Methyl tert-butyl ether	69	75-124		
1,1,2-Trichloro-1,2,2-trifluoroethane	164	57-150		
2,4-Dinitrophenol	31	33-120	SB-63 (1-5), SB-64 (1-3)	Estimate (UJ) the nondetect results for 2,4-dinitrophenol in the associated samples.

Moisture Content

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

Quantitation Limits and Data Assessment

The following table lists the sample dilutions and analyses which were performed and reported.

Sample	VOC Analysis Reported	ETPH Analysis Reported
SB-66 (5-7)	NR	A 25-fold dilution analysis was performed.
CC-7	Due to poor surrogate recoveries, the sample was re-extracted as a medium level analysis. Report the results for ethylbenzene, m,p-xylene, and o-xylene from the medium level analysis. Report all other results from the low level analysis.	A 10-fold dilution analysis was performed.
CC-8	Due to poor surrogate recoveries, the sample was re-extracted as a medium level analysis. Report the results for ethylbenzene, m,p-xylene, and o-xylene from the medium level analysis. Report all other results from the low level analysis.	A 50-fold dilution analysis was performed.
CC-6	Due to poor surrogate recoveries, the sample was re-extracted. As matrix interference was confirmed in the re-extraction, the original analysis was reported.	NR

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC, SVOC, and ETPH analyses.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-8986
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-6	220-8986-01	Metals, Cyanide
CC-7	220-8986-02	Metals, Cyanide
CC-8	220-8986-03	Metals, Cyanide
SB-63 (1-5)	220-8986-06	Metals, Cyanide
SB-64 (1-3)	220-8986-07	Metals, Cyanide
SB-66 (5-7)	220-8986-09	Metals, Cyanide
SB-67 (2-3)	220-8986-10	Metals, Cyanide
SB-68 (2-5)	220-8986-11	Metals, Cyanide
SB-69 (2-5)	220-8986-12	Metals, Cyanide
SB-70 (2-5)	220-8986-13	Metals, Cyanide

Associated QC Samples(s): Field Blanks: FB 043009 (reported in 220-8960)
Field Duplicate pair: None associated

The above-listed soil samples were collected on May 1, 2009 and were analyzed for select metals by SW-846 methods 6010B/7471A and cyanide by SW-846 method 9012B. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

* • Overall Evaluation of Data and Potential Usability Issues
* • Data Completeness
* • Holding Times and Sample Preservation
* • Instrument Calibration
* • Contract Required Quantitation Limit (CRQL) Standard Recoveries
• Blank Analysis Results
• Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
• Laboratory Duplicate Results
NA • Field Duplicate Results
* • Laboratory Control Sample (LCS) Results
* • Serial Dilution Results
* • Moisture Content
* • Detection Limits Results

* • Sample Quantitation Results

* - All criteria were met for this parameter.

NA- A field duplicate pair was not associated with this sample group.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for silver, cadmium, antimony, selenium, and tin in samples CC-6, CC-7, and CC-8 were qualified as estimated (UJ) due to negative interferences in the ICSA sample analysis. The results may be biased low. The results are usable for project objectives as nondetects with estimated quantitation limits which may have a minor effect on the data usability.

- The positive results for barium, copper, and zinc in all soil samples were qualified as estimated (J) due to high recoveries in the MS analysis. The result may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

- The positive results for chromium in all soil samples were qualified as estimated (J) due to the high relative percent difference (RPD) in the laboratory duplicate analysis. The direction of the bias cannot be determined from this nonconformance. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met

CRQL Standard Recoveries

All criteria were met.

Blank Results

Analytes were detected in the metals laboratory blank samples. Analytes which were detected in the project samples at levels less than five times those in the blanks were qualified as nondetect (U). The following table summarizes the contamination.

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Barium	Instrument	All samples	1.2 ug/L, 0.15 mg/kg	0.75 mg/kg
Cadmium	Method	All samples	0.30 mg/kg	1.5 mg/kg
Zinc	Instrument	All samples	18.0 ug/L, 2.25 mg/kg	11.3 mg/kg
Tin	Method	All samples	1.2 mg/kg	6.0 mg/kg

Blank ActionsMethod

If the sample result is < QL and < action level; report the result as nondetect (U) at the QL.
If the sample result is ≥ QL and < action level; report the sample result as nondetect (U) at the reported value.
For negative blank contamination ≥2 MDL; professional judgement was taken to estimate (J/UJ) those results which were less than the action level.

Validation actions were not required on this basis.

Target analytes were not detected in the associated field blank FB 043009, which was reported in case number 220-8960.

ICP ICS Results

All analytes were recovered within control limits in the ICSAB sample analysis.

Positive results for arsenic, barium, chromium, copper, thallium, and vanadium and negative results for silver, beryllium, cadmium, nickel, antimony, selenium, tin, and zinc were detected above the method detection limit (MDL) in the ICSA solution analysis associated with all samples. Sample interferents levels were reviewed. Calcium was present in samples CC-6 (130%), CC-7 (99%), and CC-8 (136%) at greater levels than that of the ICSA solution. The following table lists the estimated interferences and resulting validation actions.

Sample	Analyte	Sample Result (ug/L)	Estimated Interference (ug/L)	Actions
CC-6	Silver	ND	-2.6	Estimate (UJ) the nondetect result for silver.
	Arsenic	ND	22.4	Validation action was not required.
	Barium	739	5.6	Interference was <10%; No action taken.
	Beryllium	ND	-0.85	Interference was <10%; No action taken.
	Cadmium	ND	-6.8	Estimate (UJ) the nondetect result for cadmium.
	Chromium	179	0.91	Interference was <10%; No action taken.
	Copper	199	2.7	Interference was <10%; No action taken.
	Nickel	123	-8.1	Interference was <10%; No action taken.
	Antimony	ND	-9.1	Estimate (UJ) the nondetect result for antimony.
	Selenium	ND	-66.7	Estimate (UJ) the positive result for selenium.
	Tin	ND	-6.6	Estimate (UJ) the nondetect result for tin.
	Thallium	ND	24.3	Validation action was not required.
	Vanadium	284	3.9	Interference was <10%; No action taken.
	Zinc	243	-8.1	Interference was <10%; No action taken.
CC-7	Silver	ND	-2.0	Estimate (UJ) the nondetect result for silver.
	Arsenic	ND	17.0	Validation action was not required.
	Barium	963	4.3	Interference was <10%; No action taken.
	Beryllium	ND	-0.64	Interference was <10%; No action taken.
	Cadmium	ND	-5.1	Estimate (UJ) the nondetect result for cadmium.
	Chromium	142	0.69	Interference was <10%; No action taken.
	Copper	87.5	2.1	Interference was <10%; No action taken.
	Nickel	87	-6.1	Interference was <10%; No action taken.
	Antimony	ND	-6.9	Estimate (UJ) the nondetect result for antimony.
	Selenium	ND	-50.8	Estimate (UJ) the nondetect result for selenium.
	Tin	ND	-5.1	Estimate (UJ) the nondetect result for tin.
	Thallium	ND	18.5	Validation action was not required.
	Vanadium	253	3.0	Interference was <10%; No action taken.
	Zinc	276	-6.1	Interference was <10%; No action taken.

Sample	Analyte	Sample Result (ug/L)	Estimated Interference (ug/L)	Actions
CC-8	Silver	ND	-2.7	Estimate (UJ) the nondetect result for silver.
	Arsenic	ND	23.4	Validation action was not required.
	Barium	1940	5.8	Interference was <10%; No action taken.
	Beryllium	ND	-0.88	Interference was <10%; No action taken.
	Cadmium	ND	-7.1	Estimate (UJ) the nondetect result for cadmium.
	Chromium	202	-0.95	Interference was <10%; No action taken.
	Copper	133	2.9	Interference was <10%; No action taken.
	Nickel	135	-8.4	Interference was <10%; No action taken.
	Antimony	ND	-9.5	Estimate (UJ) the nondetect result for antimony.
	Selenium	ND	-69.8	Estimate (UJ) the nondetect result for selenium.
	Tin	ND	-6.9	Estimate (UJ) the nondetect result for tin.
	Thallium	ND	25.4	Validation action was not required.
	Vanadium	334	4.1	Interference was <10%; No action taken.
	Zinc	274	-8.4	Interference was <10%; No action taken.

MS Results

The laboratory performed the MS on sample SB/MW-62 for metals (reported in 220-8960), SB-70 (2-5) for mercury, and samples SB-66 (5-7) and SB-70 (2-5) for cyanide. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS and the resulting validation actions.

Analyte	MS Sample	Recovery (%)	Actions
Arsenic	SB/MW-62	366	Validation actions were not required as all results for arsenic were nondetect and therefore not affected by the potential high bias.
Barium		127	Estimate (J) the positive results for barium, copper, and zinc in all soil samples.
Copper		274	
Zinc		126	

Laboratory Duplicate Results

The laboratory performed the duplicate analysis on sample SB/MW-62 for metals (reported in 220-8960), SB-70 (2-5) for mercury, and samples SB-66 (5-7) and SB-70 (2-5) for cyanide. The following table lists the analytes which exhibited RPDs outside of the control limit and the resulting validation actions.

Analyte	Duplicate Sample	RPD (%)	Actions
Chromium	SB/MW-62	44	Estimate (J) the positive results for chromium in all soil samples.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on sample SB/MW-62 (reported in case number 220-8960). All criteria were met.

Detection Limits Results

Dilutions were not required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-8994
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-71 (12.5-14.5)	220-8994-01	VOC, SVOC, PCB
SB-72 (12.5-14.5)	220-8994-02	VOC, ETPH, PCB
SB-171 (12.5-14.5)	220-8994-03	VOC, SVOC, PCB
TB 050409	220-8994-04	VOC
FB 050409	220-8994-05	VOC

Associated QC Samples(s):	Field/Trip Blanks:	FB 050409, TB 050409
	Field Duplicate pair:	SB-71 (12.5-14.5)/SB-171 (12.5-14.5)

The above-listed soil samples, field blank, and trip blank samples were collected on May 4, 2009 and were analyzed for analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B, semivolatile organic compounds (SVOCs) by SW-846 method 8270C, polychlorinated biphenyls (PCBs) by SW-846 method 8082, and extractable total petroleum hydrocarbons (ETPH) by the CT method. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

* * Data Completeness
* * Holding Times and Sample Preservation
* * Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
  * Initial and Continuing Calibrations
  * Blanks
* * Surrogate Recoveries
* * Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
  * Laboratory Control Sample (LCS) Results
* * Internal Standards
* * Moisture Content
* * Field Duplicate Results
* * Quantitation Limits and Data Assessment
* * Sample Quantitation and Compound Identification

* - All criteria were met.

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for hexachlorobutadiene in samples FB 050409 and TB 050409 were qualified as estimated (UJ) due to continuing calibration nonconformances. The direction of the bias cannot be determined from these nonconformances. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The nondetect results for 2,4-dinitrophenol in samples SB-71 (12.5-14.5), SB-72 (12.5-14.5), and SB-171 (12.5-14.5) were qualified as estimated (UJ) due to low LCS recovery. The results may be biased low. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met in the VOC, SVOC, and ETPH analyses.

GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

Initial and Continuing Calibrations

SVOC, PCB, and ETPH

All criteria were met.

VOC

Compounds that did not meet criteria in the VOC continuing calibrations are summarized in the following table.

Instrument ID MSW Compound	CC 05/05/09 12:03
Hexachlorobutadiene	XX (32.6%)
Samples Affected	FB 050409, TB 050409

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (J) positive results.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The nondetect results for hexachlorobutadiene in samples FB 050409 and TB 050409 were estimated (UJ) due to continuing calibration nonconformances.

Blanks

VOC and SVOC

Target compounds were detected below the reporting limit (RL) in select VOC and SVOC method blank samples. Target compounds were detected below the RL in the associated VOC field and trip blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at10x (for common contaminants) and 5x (for other compounds) the concentrations detected. The following table summarizes the contamination.

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Methylene chloride	Method	1.1 ug/L	11 ug/L	TB 050409, FB 050409
Bis(2-ethylhexyl) phthalate	Method	130 ug/kg	650 ug/kg	SB-71 (12.5-14.5), SB-171 (12.5-14.5)
Ethylbenzene	TB 050409	0.88 ug/L, 0.88 ug/kg	4.4 ug/kg	All samples
1,2,4-Trimethylbenzene		1.2 ug/L, 1.2 ug/kg	6.0 ug/kg	
m&p-Xylene		2.2 ug/L, 2.2 ug/kg	11 ug/kg	
Acetone	FB050409	3.6 ug/L, 3.6 ug/kg	36 ug/kg	
Methyl ethyl ketone		2.1 ug/L, 2.1 ug/kg	21 ug/kg	

Validation actions were not required on this basis.

PCB and ETPH

Target compounds were not detected in the method blank samples associated with all samples.

Surrogate Recoveries

All criteria were met in the VOC, SVOC, PCB, and ETPH analyses.

MS/MSD Results

MS/MSDs were not associated with the VOC, SVOC, PCB, and ETPH analyses. Validation action was not required on this basis.

Internal Standards

All criteria were met in the VOC and SVOC analyses.

LCS Results

VOC and SVOC

The following table lists the compounds recovered outside of control limits in the LCS VOC and SVOC analyses and the resulting actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Trans-1,4-dichloro-2-butene	125	55-120	FB 050409, TB 050409	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Acetone	192	41-150		
1,1-Dichloropropene	125	60-124		
1,1,2-Trichloro-1,2,2-trifluoroethene	152	66-147		
Acetone	241	80-150	All soil samples	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Methyl ethyl ketone	165	80-150		
Chloromethane	150	69-143		
Trans-1,4-dichloro-2-butene	132	69-120		
Dichlorodifluoromethane	195	65-150		
Vinyl chloride	141	70-137		

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
2,4-Dinitrophenol	29	33-120	All soil samples	Estimate (UJ) the nondetect results for 2,4-dinitrophenol in all soil samples.

PCB and ETPH

All criteria were met in the PCB and ETPH analyses.

Moisture Content

All criteria were met.

Field Duplicate Results

Samples SB-71 (12.5-14.5) and SB-171 (12.5-14.5) were identified as the field duplicate pair. All results were nondetect in these samples.

Quantitation Limits and Data Assessment

Dilutions were not required.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC, SVOC, PCB, and ETPH analyses.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-8994
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-71 (12.5-14.5)	220-8994-01	Metals, Cyanide
SB-72 (12.5-14.5)	220-8994-02	Metals, Cyanide
SB-171 (12.5-14.5)	220-8994-03	Metals, Cyanide

Associated QC Samples(s): Field Blanks: FB 043009 (reported in 220-8960)
Field Duplicate pair: SB-71 (12.5-14.5)/SB-171 (12.5-14.5)

The above-listed soil samples were collected on May 4, 2009 and were analyzed for select metals by SW-846 methods 6010B/7471A and cyanide by SW-846 method 9012B. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

* • Overall Evaluation of Data and Potential Usability Issues
* • Data Completeness
* • Holding Times and Sample Preservation
* • Instrument Calibration
  • Contract Required Quantitation Limit (CRQL) Standard Recoveries
  • Blank Analysis Results
  • Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
  • Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
  • Laboratory Duplicate Results
* • Field Duplicate Results
* • Laboratory Control Sample (LCS) Results
* • Serial Dilution Results
* • Moisture Content
  • Detection Limits Results
* • Sample Quantitation Results

* - All criteria were met for this parameter.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The positive results for lead in all samples were qualified as nondetect (U) at the reported values due to laboratory blank contamination. The results are usable for project objectives as nondetects with elevated quantitation limits which may have a minor effect on the data usability.

- The positive results for barium, copper, and zinc in all samples were qualified as estimated (J) due to high recoveries in the MS analysis. The result may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

- The positive results for chromium in all samples were qualified as estimated (J) due to high relative percent difference (RPD) in the laboratory duplicate analysis. The direction of the bias cannot be determined from this nonconformance. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met

CRQL Standard Recoveries

The following table lists the recoveries which were outside the control limits in the contract required quantitation limit (CRQL) standards and the resulting validation actions. The affected level range was determined by two times the true value of the CRQL standard analyzed.

Analyte	Recovery	Associated Samples	Validation Actions
Lead	156%	All samples	Validation action was not required. Results for lead were greater than the affected range and therefore were not affected by the potential high bias.

Blank Results

Analytes were detected in the metals laboratory blank samples. Analytes which were detected in the project samples at levels less than five times those in the blanks were qualified as nondetect (U). The following table summarizes the contamination.

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Copper	Method	All samples	0.61 mg/kg	3.1 mg/kg
Lead	Method	All samples	1.2 mg/kg	6.0 mg/kg
Zinc	Method	All samples	4.7 mg/kg	23.5 mg/kg

Blank Actions

If the sample result is < QL and < action level; report the result as nondetect (U) at the QL.
If the sample result is ≥ QL and < action level; report the sample result as nondetect (U) at the reported value.
For negative blank contamination ≥2 MDL; professional judgement was taken to estimate (J/UJ) those results which were less than the action level.

The positive results for lead in all samples were qualified as nondetect (U) at the reported values due to laboratory blank contamination.

Target analytes were not detected in the associated field blank FB 043009, which was reported in case number 220-8960.

ICP ICS Results

All analytes were recovered within control limits in the ICSAB sample analysis.

Positive results for arsenic, barium, chromium, thallium, and vanadium and negative results for silver, beryllium, cadmium, cobalt, copper, nickel, and antimony were detected above the method detection limit (MDL) in the ICSA solution analysis associated with all samples. Sample interferents levels were reviewed. Validation actions were not required on this basis as sample interferent levels were less than those of the ICSA sample.

MS Results

The laboratory performed the MS on sample SB/MW-62 (reported in 220-8960) for metals, sample SB/MW-74 (1.5-3.5) (reported in 220-9004) for mercury, and on sample SB-71 (12.5-14.5) for cyanide. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS and the resulting validation actions.

Analyte	MS Sample	Recovery (%)	Actions
Arsenic	SB/MW-62	366	Validation actions were not required as all results for arsenic were nondetect and therefore not affected by the potential high bias.
Barium		127	Estimate (J) the positive results for barium, copper, and zinc in all samples.
Copper		274	
Zinc		126	

Laboratory Duplicate Results

The laboratory performed the duplicate analysis on sample SB/MW-62 (reported in 220-8960) for metals, sample SB/MW-74 (1.5-3.5) (reported in 220-9004) for mercury, and on sample SB-71 (12.5-14.5) for cyanide. The following table lists the analytes which exhibited RPDs outside of the control limit and the resulting validation actions.

Analyte	Duplicate Sample	RPD (%)	Actions
Chromium	SB/MW-62	44	Estimate (J) the positive results for chromium in all samples.

Field Duplicate Results

Samples SB-71 (12.5-14.5) and SB-171 (12.5-14.5) were submitted as the field duplicate pair with this sample group. The following table summarizes the RPDs of the detected analytes, all of which were within the acceptance criteria.

Analyte	SB-71 (12.5-14.5) (mg/kg)	SB-171 (12.5-14.5) (mg/kg)	RPD (%)
Barium	65.1	51.3	23.7
Chromium	14.4	10.3	33.2
Cobalt	5.3	4.1	25.5
Copper	20.4	20.2	1.0
Lead	3.9	5.4	32.3
Nickel	10.3	9.1	12.4
Vanadium	18.1	12.1	39.7
Zinc	27.6	24.8	10.7

For soil results > 5xQL and RPDs >50; estimate (J) results in the field duplicate pair.
For soil results < 5xQL; the sample and duplicate results must be within 2xQL.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on sample SB/MW-62 (reported in 220-8960). All criteria were met.

Detection Limits Results

Dilutions were not required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-9004
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB/MW-73 (1.5-2.5)	220-9004-01	VOC, ETPH
SB/MW-74 (1.5-3.5)	220-9004-02	VOC, ETPH
SB/MW-174 (1.5-3.5)	220-9004-03	VOC, ETPH

Associated QC Samples(s):	Field/Trip Blanks:	FB 050409, TB 050409 (reported in 220-8994)
	Field Duplicate pair:	SB/MW-74 (1.5-3.5)/SB/MW-174 (1.5-3.5)

The above-listed soil samples were collected on May 5, 2009 and were analyzed for analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B and extractable total petroleum hydrocarbons (ETPH) by the CT method. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

*	•	Data Completeness
*	•	Holding Times and Sample Preservation
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
*	•	Initial and Continuing Calibrations
	•	Blanks
*	•	Surrogate Recoveries
*	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
	•	Laboratory Control Sample (LCS) Results
*	•	Internal Standards
*	•	Moisture Content
	•	Field Duplicate Results
	•	Quantitation Limits and Data Assessment
*	•	Sample Quantitation and Compound Identification

* - All criteria were met.

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error.

- The positive results for tetrachloroethene and ETPH in samples SB/MW-74 (1.5-3.5) and SB/MW-174 (1.5-3.5) were qualified as estimated (J) due to high relative percent differences (RPDs) in the evaluation of the field duplicate pair. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- The nondetect results for carbon disulfide in all samples were qualified as estimated (UJ) due to low LCS recovery. The results may be biased low. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met in the VOC and ETPH analyses.

GC/MS Tunes

All criteria were met in the VOC analyses.

Initial and Continuing Calibrations

All criteria were met in the VOC and ETPH analyses.

Blanks

Target compounds were not detected in the VOC and ETPH method blank samples associated with all samples.

Target compounds were detected below the reporting limit (RL) in the associated VOC field and trip blank samples which were reported in case number 220-8994. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at 10x (for common contaminants) and 5x (for

other compounds) the concentrations detected. The following table summarizes the contamination.

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Ethylbenzene	TB 050409	0.88 ug/L, 0.88 ug/kg	4.4 ug/kg	All samples
1,2,4-Trimethylbenzene		1.2 ug/L, 1.2 ug/kg	6.0 ug/kg	
m&p-Xylene		2.2 ug/L, 2.2 ug/kg	11 ug/kg	
Acetone	FB050409	3.6 ug/L, 3.6 ug/kg	36 ug/kg	
Methyl ethyl ketone		2.1 ug/L, 2.1 ug/kg	21 ug/kg	

Validation actions were not required on this basis.

Surrogate Recoveries

All criteria were met in the VOC and ETPH analyses for samples analyzed at dilutions less than 10-fold.

MS/MSD Results

MS/MSDs were not associated with the VOC and ETPH analyses. Validation action was not required on this basis.

Internal Standards

All criteria were met in the VOC analyses.

LCS Results

ETPH

All criteria were met in the ETPH analyses.

VOC

The following table lists the compounds recovered outside of control limits in the LCS VOC analyses and the resulting actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Carbon Disulfide	60	80-142	All soil samples	Estimate (UJ) the nondetect results for carbon disulfide in all samples.
Acetone	230	80-150	All soil samples	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Trans-1,4-dichloro-2-butene	136	69-120		

Moisture Content

All criteria were met.

Field Duplicate Results

Samples SB/MW-74 (1.5-3.5) and SB/MW-174 (1.5-3.5) were identified as the field duplicate pair. The following table summarizes the RPDs of the detected compounds, which were not within the acceptance criteria. The positive results for tetrachloroethene and ETPH in samples SB/MW-74 (1.5-3.5) and SB/MW-174 (1.5-3.5) were estimated (J).

Compound	SB/MW-74 (1.5-3.5) (ug/kg)	SB/MW-174 (1.5-3.5) (ug/kg)	RPD (%)
Tetrachloroethene	14	24	52.6
ETPH	1,600,000	850,000	61.2

For soil results > 5xQL and RPDs >50; estimate (J) results in the field duplicate pair.
For soil results < 5xQL; the sample and duplicate results must be within 2xQL.

Quantitation Limits and Data Assessment

Due to high ETPH levels, sample SB/MW-74 (1.5-3.5) was analyzed at a 10-fold dilution and sample SB/MW-174 (1.5-3.5) was analyzed at a 5-fold dilution.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC and ETPH analyses.

Site: MacDermid Project, Waterbury, CT
Laboratory: Test America, Shelton, CT
Report No.: 220-9004
Reviewer: Lorie MacKinnon/GEI Consultants
Date: June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB/MW-73 (1.5-2.5)	220-9004-01	Metals, Cyanide
SB/MW-74 (1.5-3.5)	220-9004-02	Metals, Cyanide
SB/MW-174 (1.5-3.5)	220-9004-03	Metals, Cyanide
Associated QC Samples(s):	Field Blanks:	FB 043009 (reported in 220-8960)
	Field Duplicate pair:	SB/MW-74 (1.5-3.5)/SB/MW-174 (1.5-3.5)

The above-listed soil samples were collected on May 5, 2009 and were analyzed for select metals by SW-846 methods 6010B/7471A and cyanide by SW-846 method 9012B. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

* • Overall Evaluation of Data and Potential Usability Issues
* • Data Completeness
* • Holding Times and Sample Preservation
* • Instrument Calibration
• Contract Required Quantitation Limit (CRQL) Standard Recoveries
• Blank Analysis Results
• Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
• Laboratory Duplicate Results
• Field Duplicate Results
* • Laboratory Control Sample (LCS) Results
* • Serial Dilution Results
* • Moisture Content
• Detection Limits Results
* • Sample Quantitation Results

* - All criteria were met for this parameter.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications applied to the data as a result of sampling error are discussed below.

- The positive results for copper, lead, and tin in samples SB/MW-74 (1.5-3.5) and SB/MW-174 (1.5-3.5) were qualified as estimated (J) due to high relative percent differences (RPDs) in the evaluation of the field duplicate pair. The direction of the bias cannot be determined from this nonconformance. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- The positive results for barium, copper, and zinc in all samples were qualified as estimated (J) due to high recoveries in the MS analysis. The result may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

- The positive results for chromium in all samples were qualified as estimated (J) due to high relative percent difference (RPD) in the laboratory duplicate analysis. The direction of the bias cannot be determined from this nonconformance. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met

CRQL Standard Recoveries

The following table lists the recoveries which were outside the control limits in the contract required quantitation limit (CRQL) standards and the resulting validation actions. The affected level range was determined by two times the true value of the CRQL standard analyzed.

Analyte	Recovery	Associated Samples	Validation Actions
Lead	156%, 149%	All samples	Validation action was not required. Results for lead were greater than the affected range.

Blank Results

Analytes were detected in the metals laboratory blank samples. Analytes which were detected in the project samples at levels less than five times those in the blanks were qualified as nondetect (U). The following table summarizes the contamination.

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Barium	Instrument	SB/MW-74 (1.5-3.5), SB/MW-174 (1.5-3.5)	1.1 ug/L, 0.14 mg/kg	0.69 mg/kg
Copper	Method	SB/MW-74 (1.5-3.5), SB/MW-174 (1.5-3.5)	0.82 mg/kg	4.1 mg/kg
Lead	Method	SB/MW-74 (1.5-3.5), SB/MW-174 (1.5-3.5)	1.4 mg/kg	7.0 mg/kg
Copper	Method	SB/MW-73 (1.5-2.5)	0.82 mg/kg	4.1 mg/kg
Lead	Method	SB/MW-73 (1.5-2.5)	1.4 mg/kg	7.0 mg/kg
Nickel	Instrument	SB/MW-73 (1.5-2.5)	2.0 ug/L, 0.25 mg/kg	1.25 mg/kg

Blank Actions

If the sample result is < QL and < action level; report the result as nondetect (U) at the QL.
If the sample result is ≥ QL and < action level; report the sample result as nondetect (U) at the reported value.
For negative blank contamination ≥2 MDL; professional judgement was taken to estimate (J/UJ) those results which were less than the action level.

Validation actions were not required on this basis.

Target analytes were not detected in the associated field blank FB 043009, which was reported in case number 220-8960.

ICP ICS Results

All analytes were recovered within control limits in the ICSAB sample analysis.

Positive results for arsenic, barium, chromium, thallium, and vanadium and negative results for silver, beryllium, cadmium, cobalt, copper, nickel, and antimony were detected above the method detection limit (MDL) in the ICSA solution analysis associated with sample SB/MW-73 (1.5-2.5). Positive results for arsenic, barium, lead, thallium, and vanadium and negative results for silver, cadmium, cobalt, copper, nickel, selenium, and antimony were detected above the method detection limit (MDL) in the ICSA solution analysis associated with samples SB/MW-74 (1.5-3.5) and SB/MW-174 (1.5-3.5).

Sample interferent levels were reviewed. Validation actions were not required on this basis as sample interferent levels were less than those of the ICSA sample.

MS Results

The laboratory performed the MS on sample SB/MW-62 (reported in 220-8960) for metals, sample SB/MW-74 (1.5-3.5) for mercury, and on sample SB-71 (12.5-14.5) (reported in 220-8994) for cyanide. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS and the resulting validation actions.

Analyte	MS Sample	Recovery (%)	Actions
Arsenic	SB/MW-62	366	Validation actions were not required as all results for arsenic were nondetect and therefore not affected by the potential high bias.
Barium		127	Estimate (J) the positive results for barium, copper, and zinc in all samples.
Copper		274	
Zinc		126	

Laboratory Duplicate Results

The laboratory performed the duplicate analysis on sample SB/MW-62 (reported in 220-8960) for metals, sample SB/MW-74 (1.5-3.5) for mercury, and on sample SB-71 (12.5-14.5) (reported in 220-8994) for cyanide. The following table lists the analytes which exhibited RPDs outside of the control limit and the resulting validation actions.

Analyte	Duplicate Sample	RPD (%)	Actions
Chromium	SB/MW-62	44	Estimate (J) the positive results for chromium in all samples.

Field Duplicate Results

Samples SB/MW-74 (1.5-3.5) and SB/MW-174 (1.5-3.5) were submitted as the field duplicate pair with this sample group. The following table summarizes the RPDs of the detected analytes, all of which were within the acceptance criteria with the exception of copper, lead, and tin. The positive results for copper, lead, and tin in samples SB/MW-74 (1.5-3.5) and SB/MW-174 (1.5-3.5) were estimated (J).

Analyte	SB/MW-74 (1.5-3.5) (mg/kg)	SB/MW-174 (1.5-3.5) (mg/kg)	RPD (%)
Barium	53.4	47.4	11.9
Chromium	149	177	17.2

Analyte	SB/MW-74 (1.5-3.5) (mg/kg)	SB/MW-174 (1.5-3.5) (mg/kg)	RPD (%)
Cobalt	5.0	7.3	37.4
Copper	178	374	71.0
Lead	152	42.2	113.1
Mercury	0.12	0.19	45.2
Nickel	44.3	59.1	28.6
Vanadium	14.7	22.2	40.7
Zinc	67.7	102	40.4
Tin	15.7	27.0	52.9

For soil results > 5xQL and RPDs >50; estimate (J) results in the field duplicate pair.
For soil results < 5xQL; the sample and duplicate results must be within 2xQL.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on sample SB/MW-62 (reported in 220-8960). All criteria were met.

Detection Limits Results

Due to the high level, sample SB/MW-73 (1.5-2.5) was analyzed at a five-fold dilution for mercury.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Site:	MacDermid Project, Waterbury, CT
Laboratory:	Test America, Shelton, CT
Report No.:	220-9062
Reviewer:	Lorie MacKinnon/GEI Consultants
Date:	June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-9	220-9062-01	VOC, ETPH
CC-10	220-9062-02	VOC, ETPH
FB 051309	220-9062-03	VOC
TB 051309	220-9062-04	VOC

Associated QC Samples(s):	Field Blanks:	FB 051309, TB 051309
	Field Duplicate pair:	None associated

The above-listed concrete chip samples, field blank, and trip blank sample were collected on May 13, 2009 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B and extractable total petroleum hydrocarbons (ETPH) by the CT method. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, EPA 540/R-99/008* (October 1999), modified as necessary to accommodate the non-CLP methodology used.

The organic data were evaluated based on the following parameters:

*	•	Data Completeness
	•	Holding Times and Sample Preservation
*	•	Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
	•	Initial and Continuing Calibrations
*	•	Blanks
	•	Surrogate Recoveries
	•	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
	•	Laboratory Control Sample (LCS) Results
	•	Internal Standards
*	•	Moisture Content
NA	•	Field Duplicate Results
	•	Quantitation Limits and Data Assessment
*	•	Sample Quantitation and Compound Identification

* - All criteria were met.

NA – A field duplicate pair was not associated with this sample group.

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The positive and nondetect VOC results for sample CC-10 and all VOC results, with the exception of styrene, in sample CC-9 were estimated (J/UJ) due to low surrogate recoveries. The results may be biased low. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor impact on the data usability.

- The positive results for acetone in samples CC-9 and CC-10 were qualified as estimated (J) due to high LCS recovery. The results may be biased high. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

- The nondetect results for carbon disulfide in samples CC-9 and CC-10 were qualified as estimated (UJ) due to low LCS recovery. The results may be biased low. The results can be used for project objectives as nondetects with estimated quantitation limits which may have a minor impact on the data usability.

The validation findings were based on the following information.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All criteria were met in the VOC and ETPH analyses.

The cooler temperature was noted to be 10.3 degrees Celsius upon receipt at the laboratory. Validation action was not taken on this basis. As the sample cooler was packed on 05/13 at 11:40 and received at the laboratory 05/13 at 12:57, the cooler was not able to reach the acceptable temperature of six degrees.

GC/MS Tunes

All criteria were met in the VOC analyses.

Initial and Continuing Calibrations

ETPH

All criteria were met.

VOC

Compounds that did not meet criteria in the VOC continuing calibrations are summarized in the following table.

Instrument ID MSV Compound	CC 05/27/09 11:33
Dichlorodifluoromethane	XX (41.5%)
Trichlorofluoromethane	XX (43.1%)
2,2-Dichloropropane	XX (30.7%)
Carbon tetrachloride	XX (38.3%)
1,1,1-Trichloroethane	XX (30.5%)
Samples Affected	CC-9 Med

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (J) positive results.
XX = Continuing calibration (CC) percent difference (%D) > 25; estimate (J/UJ) positive and nondetect results.
XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

Validation actions were not required on this basis as the affected results were not reported from the medium level analysis.

Blanks

Target compounds were not detected above the reporting limits in the associated method blanks, field blank, and trip blank samples.

Surrogate Recoveries

ETPH

All criteria were met for samples analyzed at dilutions less than 10-fold.

VOCs

The following table lists the surrogates recovered outside of control limits and the resulting actions.

Sample Soil Limits	DBFM 59-123	DCE 59-123	Tol-d8 50-118	BFB 34-124	Validation actions
CC-9	10%	-	-	-	Estimate (J/UJ) the positive and nondetect results in sample CC-9, with the exception of styrene which was reported from the medium level analysis with acceptable surrogate recoveries.
CC-9 RE	12%	-	-	-	Validation action was not required as the original analysis was reported.
CC-10	15%	-	-	-	Estimate (J/UJ) the positive and nondetect results in sample CC-10.

- Criteria met

MS/MSD Results

MS/MSDs were performed on sample CC-9 for the medium level VOC and ETPH analyses. All criteria were met in the ETPH MS/MSD. The recoveries for trichlorofluoromethane (35, 33), trichloroethene (170, 174), 1,1,2,2-tetrachloroethane (2,1), dichlorodifluoromethane (MSD 155), chloroethane (MSD 55), and 1,2-dichloroethane (MSD 129) were outside of control limits. Validation action was not required on this basis as these compounds were not reported from the medium level analysis.

Internal Standards

The following table lists the internal standards recovered outside of control limits and the resulting actions.

Sample	Internal Standard	Recovery (%)	Validation actions
CC-9 RE	1,4-dichlorobenzene-d4	43.7	Validation action was not required as the original analysis was reported with acceptable IS areas.

LCS Results

VOC

The following table lists the compounds recovered outside of control limits in the LCS VOC analyses and the resulting actions.

Compound	Recovery (%)	Control Limits	Associated Samples	Validation Actions
Acetone	230	80-150	CC-9, CC-9 RE, CC-10	Estimate (J) the positive results for acetone in samples CC-9 and CC-10.
Carbon disulfide	60	80-142	CC-9, CC-9 RE, CC-10	Estimate (UJ) the nondetect results for carbon disulfide in samples CC-9 and CC-10.
Trans-1,4-dichloro-2-butene	136	69-120	CC-9, CC-9 RE, CC-10	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Trans-1,4-dichloro-2-butene	136	55-120	FB 051309, TB 051309	Validation actions were not required as the affected results were nondetect and therefore not affected by the potential high bias.
Methyl ethyl ketone	184	42-150		
Acetone	234	41-150		
Acetone	197	46-150	CC-9 Medium Level	Validation actions were not required as the affected results were not reported from the medium level analysis.
Carbon tetrachloride	138	63-136		
Dichlorodifluoromethane	210	71-150		
1,1-Dichloroethene	148	63-147		
Trichlorofluoromethane	165	60-150		

ETPH

All criteria were met in the ETPH analyses.

Moisture Content

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample group.

Quantitation Limits and Data Assessment

The following table lists the sample dilutions and analyses which were performed and reported.

Sample	VOC Analysis Reported	ETPH Analysis Reported
CC-9	Due to poor surrogate recoveries, the sample was re-extracted. As matrix interference was confirmed in the re-extraction, the original analysis was reported. Report the result for styrene from the medium level analysis. As the result for styrene was above the lowest calibration standard, the 'J' qualifier was removed.	NR

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC and ETPH analyses.

Site:	MacDermid Project, Waterbury, CT
Laboratory:	Test America, Shelton, CT
Report No.:	220-9062
Reviewer:	Lorie MacKinnon/GEI Consultants
Date:	June 26, 2009

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-9	220-9062-01	Metals, Cyanide
CC-10	220-9062-02	Metals, Cyanide
Associated QC Samples(s):	Field Blanks:	FB 043009 (reported in 220-8960) EB-Chip (reported in 220-8934)
	Field Duplicate pair:	None associated

The above-listed concrete samples were collected on May 13, 2009 and were analyzed for select metals by SW-846 methods 6010B/7471A and cyanide by SW-846 method 9012B. The data validation was performed in accordance with the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540/R-04/004* (October 2004), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

* • Overall Evaluation of Data and Potential Usability Issues
* • Data Completeness
• Holding Times and Sample Preservation
* • Instrument Calibration
* • Contract Required Quantitation Limit (CRQL) Standard Recoveries
• Blank Analysis Results
• Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
• Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
• Laboratory Duplicate Results
NA • Field Duplicate Results
* • Laboratory Control Sample (LCS) Results
* • Serial Dilution Results
* • Moisture Content
* • Detection Limits Results
* • Sample Quantitation Results

* - All criteria were met for this parameter.

NA – A field duplicate pair was not associated with this sample set.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

Qualifications were not applied to the data as a result of sampling error. Qualifications applied to the data as a result of analytical error are discussed below.

- The positive and nondetect results for silver, cadmium, cobalt, copper, antimony, and selenium in samples CC-9 and CC-10 were qualified as estimated (J/UJ) due to negative interferences in the ICSA sample analysis. The results may be biased low. The results are usable for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor effect on the data usability.

- The positive results for chromium and zinc in all samples were qualified as estimated (J) due to high recoveries in the MS/MSD analyses. The result may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

- The positive and nondetect results for antimony, selenium, and lead in all samples were qualified as estimated (J/UJ) due to low recoveries in the MS/MSD analyses. The result may be biased low. The results are usable for project objectives as estimated values and nondetects with estimated quantitation limits which may have a minor effect on the data usability.

- The positive results for chromium in all samples were qualified as estimated (J) due to high relative percent difference (RPD) in the MS/MSD analysis. The direction of the bias cannot be determined from this nonconformance. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Data Completeness

The data package was complete.

Holding Times and Sample Preservation

All holding time criteria were met.

The cooler temperature was noted to be 10.3 degrees Celsius upon receipt at the laboratory. Validation action was not taken on this basis. As the sample cooler was packed on 05/13 at 11:40 and received at the laboratory 05/13 at 12:57, the cooler was not able to reach the acceptable temperature of six degrees.

Instrument Calibration

All recovery criteria were met.

CRQL Standard Recoveries

All recovery criteria were met.

Blank Results

Analytes were detected in the metals laboratory blank samples. Analytes which were detected in the project samples at levels less than five times those in the blanks were qualified as nondetect (U). The following table summarizes the contamination.

Analyte	Blank ID	Associated Samples	Maximum Concentration	Action Level
Barium	Instrument	All samples	0.87 ug/L, 0.11 mg/kg	0.55 mg/kg
Copper	Instrument	All samples	4.2 ug/L, 0.53 mg/kg	2.6 mg/kg
Lead	Instrument	All samples	5.1 ug/L, 0.64 mg/kg	3.2 mg/kg

Blank Actions

If the sample result is < QL and < action level; report the result as nondetect (U) at the QL.
If the sample result is ≥ QL and < action level; report the sample result as nondetect (U) at the reported value.
For negative blank contamination ≥2 MDL; professional judgement was taken to estimate (J/UJ) those results which were less than the action level.

Validation actions were not required on this basis.

Target analytes were not detected in the associated field blank FB 043009, which was reported in case number 220-8960 and the associated equipment blank sample EB-Chip, which was reported in case number 220-8934.

ICP ICS Results

All analytes were recovered within control limits in the ICSAB sample analysis.

Positive results for barium, thallium, and vanadium and negative results for silver, beryllium, cadmium, cobalt, copper, nickel, antimony, and selenium were detected above the method detection limit (MDL) in the ICSA solution analysis associated with all samples. Sample interferents levels were reviewed. Calcium was present in samples CC-9 (135%) and CC-10 (122%) at greater levels than that of the ICSA solution. The following table lists the estimated interferences and resulting validation actions.

Sample	Analyte	Sample Result (ug/L)	Estimated Interference (ug/L)	Actions
CC-9	Silver	ND	-1.8	Estimate (UJ) the nondetect result for silver.
	Barium	501	5.8	Interference was <10%; No action taken.
	Beryllium	ND	-0.9	Interference was <10%; No action taken.
	Cadmium	ND	-4.7	Estimate (UJ) the nondetect result for cadmium.
	Cobalt	27.7	-4.0	Estimate (J) the positive result for cobalt.
	Copper	137	-22.8	Estimate (J) the positive result for copper.
	Nickel	47.5	-4.1	Interference was <10%; No action taken.
	Antimony	ND	-11.5	Estimate (UJ) the nondetect result for antimony.
	Selenium	ND	-66.6	Estimate (UJ) the nondetect result for selenium.
	Thallium	ND	21.9	Validation action was not required.
	Vanadium	143	4.3	Interference was <10%; No action taken.
CC-10	Silver	ND	-1.6	Estimate (UJ) the nondetect result for silver.
	Barium	380	5.2	Interference was <10%; No action taken.
	Beryllium	ND	-0.80	Interference was <10%; No action taken.
	Cadmium	ND	-4.3	Estimate (UJ) the nondetect result for cadmium.
	Cobalt	24.3	-3.7	Estimate (J) the positive result for cobalt.
	Copper	102.5	-20.6	Estimate (J) the positive result for copper.
	Nickel	116	-3.7	Interference was <10%; No action taken.
	Antimony	ND	-10.4	Estimate (UJ) the nondetect result for antimony.
	Selenium	ND	-60.1	Estimate (UJ) the nondetect result for selenium.
	Thallium	ND	20.0	Validation action was not required.
	Vanadium	117.4	3.9	Interference was <10%; No action taken.

MS Results

The laboratory performed an MS/MSD analysis on sample CC-9 for metals and cyanide. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS and the resulting validation actions.

Analyte	MS Sample	Recovery (%)	Actions
Antimony	CC-9	49, 38	Estimate (J/UJ) the positive and nondetect results for antimony, selenium, and lead in all samples.
Selenium		43, 64	
Lead		MSD 61	
Chromium		MS 443	Estimate (J) the positive results for chromium and zinc in all samples.
Zinc		MS 175	

Laboratory Duplicate Results

The laboratory performed an MS/MSD analysis on sample CC-9 for metals and cyanide and a duplicate analysis on sample CC-9 for mercury. All criteria were met in the laboratory duplicate analysis. The MS/MSD RPD for chromium (69%) exceeded the control limit of 35 in the MS/MSD. The positive results for chromium in all samples were estimated (J).

Field Duplicate Results

A field duplicate pair was not associated with this sample set.

LCS Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on sample SB/MW-62 (reported in 220-8960). All criteria were met.

Moisture Content

All criteria were met.

Detection Limits Results

Dilutions were not required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

Rec'd 12/17/08

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-1**

Lab Sample ID: 220-7217-1
Client Matrix: Solid
% Moisture: 17.7
Date Sampled: 11/12/2008 1015
Date Received: 11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: *11/21/2008 1633*
Date Prepared: 11/13/2008 1642

Analysis Batch: 220-22235
Prep Batch: 220-21987

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7827.D
Initial Weight/Volume: 4.45 g
Final Weight/Volume: 5 *mL*

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	16	J	3.2	27
Acrylonitrile	6.8	U	4.3	6.8
Benzene	6.8	U	0.97	6.8
Bromobenzene	6.8	U J	0.78	6.8
n-Butylbenzene	6.8	U J	1.4	6.8
sec-Butylbenzene	6.8	U J	1.7	6.8
tert-Butylbenzene	6.8	U J	0.83	6.8
Bromodichloromethane	6.8	U	0.89	6.8
Bromoform	6.8	U	2.4	6.8
Bromomethane	6.8	U	2.1	6.8
Methyl Ethyl Ketone	14	U	4.6	14
Chlorobenzene	6.8	U	1.2	6.8
Carbon disulfide	6.8	U	0.72	6.8
Carbon tetrachloride	6.8	U	0.97	6.8
Chloroethane	6.8	U	1.7	6.8
Chloroform	6.8	U	0.72	6.8
Chloromethane	6.8	U	1.4	6.8
2-Chlorotoluene	6.8	U J	1.1	6.8
4-Chlorotoluene	6.8	U J	1.6	6.8
Dibromochloromethane	6.8	U	1.5	6.8
1,2-Dibromo-3-Chloropropane	14	U J	2.3	14
1,2-Dibromoethane	6.8	U	1.7	6.8
Dibromomethane	6.8	U	0.91	6.8
1,2-Dichlorobenzene	6.8	U J	1.5	6.8
1,3-Dichlorobenzene	6.8	U J	1.6	6.8
1,4-Dichlorobenzene	6.8	U J	1.7	6.8
trans-1,4-Dichloro-2-butene	14	U J	2.3	14
Dichlorodifluoromethane	6.8	U J	2.1	6.8
1,1-Dichloroethane	6.8	U	0.89	6.8
1,2-Dichloroethane	6.8	U	1.5	6.8
1,1-Dichloroethene	6.8	U	1.1	6.8
cis-1,2-Dichloroethene	6.8	U	1.3	6.8
trans-1,2-Dichloroethene	6.8	U	1.3	6.8
1,2-Dichloropropane	6.8	U	1.3	6.8
1,3-Dichloropropane	6.8	U	0.67	6.8
2,2-Dichloropropane	6.8	U	1.1	6.8
1,1-Dichloropropene	34	U	0.90	34
cis-1,3-Dichloropropene	6.8	U	0.85	6.8
trans-1,3-Dichloropropene	6.8	U	1.5	6.8
Ethylbenzene	6.8	U	0.97	6.8
Hexachlorobutadiene	6.8	U J	2.4	6.8
2-Hexanone	14	U	3.6	14
Isopropylbenzene	6.8	U J	1.0	6.8
4-Isopropyltoluene	6.8	U J	1.5	6.8

JAM 12/15/08

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-1**

Lab Sample ID:	220-7217-1			Date Sampled:	11/12/2008 1015
Client Matrix:	Solid	% Moisture:	17.7	Date Received:	11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-22235		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-21987		Lab File ID:	O7827.D
Dilution:	1.0			Initial Weight/Volume:	4.45 g
Date Analyzed:	11/21/2008 1633			Final Weight/Volume:	5 mL
Date Prepared:	11/13/2008 1642				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	27	U	1.9	27
methyl isobutyl ketone	6.8	U	1.3	6.8
Methyl tert-butyl ether	6.8	U	1.0	6.8
Naphthalene	6.8	U J	0.81	6.8
N-Propylbenzene	6.8	U J	1.0	6.8
Styrene	6.8	U	1.8	6.8
1,1,1,2-Tetrachloroethane	6.8	U	0.90	6.8
1,1,2,2-Tetrachloroethane	6.8	U J	1.4	6.8
Toluene	6.8	U	0.81	6.8
Tetrachloroethene	6.8	U	1.0	6.8
Tetrahydrofuran	27	U	3.9	27
1,2,3-Trichlorobenzene	6.8	U J	1.4	6.8
1,2,4-Trichlorobenzene	6.8	U J	1.7	6.8
1,1,1-Trichloroethane	6.8	U	1.0	6.8
1,1,2-Trichloroethane	6.8	U	1.2	6.8
Trichloroethene	6.8	U	1.4	6.8
Trichlorofluoromethane	6.8	U	1.3	6.8
1,2,3-Trichloropropane	6.8	U J	2.2	6.8
1,1,2-Trichloro-1,2,2-trifluoroethane	6.8	U	1.1	6.8
1,2,4-Trimethylbenzene	6.8	U J	1.9	6.8
1,3,5-Trimethylbenzene	6.8	U J	1.3	6.8
Vinyl chloride	6.8	U	1.8	6.8
m&p-Xylene	6.8	U	2.1	6.8
o-Xylene	6.8	U	1.3	6.8

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	68	49 - 134
4-Bromofluorobenzene	68	36 - 133
Dibromofluoromethane	65	60 - 130
Toluene-d8 (Surr)	84	51 - 137

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-1**

Lab Sample ID: 220-7217-1
Client Matrix: Solid
% Moisture: 17.7

Date Sampled: 11/12/2008 1015
Date Received: 11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/21/2008 1844
Date Prepared: 11/13/2008 1643

Analysis Batch: 220-22235
Prep Batch: 220-21987
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7832.D
Initial Weight/Volume: 3.60 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	10	J	3.9	34
Acrylonitrile	8.4	U	5.4	8.4
Benzene	8.4	U	1.2	8.4
Bromobenzene	8.4	UJ	0.96	8.4
n-Butylbenzene	8.4	UJ	1.7	8.4
sec-Butylbenzene	8.4	UJ	2.0	8.4
tert-Butylbenzene	8.4	UJ	1.0	8.4
Bromodichloromethane	8.4	U	1.1	8.4
Bromoform	8.4	U	2.9	8.4
Bromomethane	8.4	U	2.6	8.4
Methyl Ethyl Ketone	17	U	5.7	17
Chlorobenzene	8.4	U	1.5	8.4
Carbon disulfide	8.4	U	0.89	8.4
Carbon tetrachloride	8.4	U	1.2	8.4
Chloroethane	8.4	U	2.1	8.4
Chloroform	8.4	U	0.89	8.4
Chloromethane	8.4	U	1.7	8.4
2-Chlorotoluene	8.4	UJ	1.4	8.4
4-Chlorotoluene	8.4	UJ	1.9	8.4
Dibromochloromethane	8.4	U	1.8	8.4
1,2-Dibromo-3-Chloropropane	17	UJ	2.8	17
1,2-Dibromoethane	8.4	U	2.1	8.4
Dibromomethane	8.4	U	1.1	8.4
1,2-Dichlorobenzene	8.4	UJ	1.9	8.4
1,3-Dichlorobenzene	8.4	UJ	1.9	8.4
1,4-Dichlorobenzene	8.4	UJ	2.1	8.4
trans-1,4-Dichloro-2-butene	17	UJ	2.8	17
Dichlorodifluoromethane	8.4	U	2.6	8.4
1,1-Dichloroethane	8.4	U	1.1	8.4
1,2-Dichloroethane	8.4	U	1.8	8.4
1,1-Dichloroethene	8.4	U	1.3	8.4
cis-1,2-Dichloroethene	8.4	U	1.6	8.4
trans-1,2-Dichloroethene	8.4	U	1.6	8.4
1,2-Dichloropropane	8.4	U	1.6	8.4
1,3-Dichloropropane	8.4	U	0.83	8.4
2,2-Dichloropropane	8.4	U	1.3	8.4
1,1-Dichloropropene	42	U	1.1	42
cis-1,3-Dichloropropene	8.4	U	1.0	8.4
trans-1,3-Dichloropropene	8.4	U	1.8	8.4
Ethylbenzene	8.4	U	1.2	8.4
Hexachlorobutadiene	8.4	UJ	3.0	8.4
2-Hexanone	17	U	4.5	17
Isopropylbenzene	8.4	UJ	1.3	8.4
4-Isopropyltoluene	8.4	UJ	1.9	8.4

do not report

dam 12/15/08

TMH 12/22/08

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-1**

Lab Sample ID: 220-7217-1
Client Matrix: Solid
% Moisture: 17.7
Date Sampled: 11/12/2008 1015
Date Received: 11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/21/2008 1844
Date Prepared: 11/13/2008 1643

Analysis Batch: 220-22235
Prep Batch: 220-21987
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7832.D
Initial Weight/Volume: 3.60 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	34	U	2.4	34
methyl isobutyl ketone	8.4	U	1.6	8.4
Methyl tert-butyl ether	8.4	U	1.2	8.4
Naphthalene	8.4	UJ	1.0	8.4
N-Propylbenzene	8.4	UJ	1.2	8.4
Styrene	8.4	U	2.2	8.4
1,1,1,2-Tetrachloroethane	8.4	U	1.1	8.4
1,1,2,2-Tetrachloroethane	8.4	UJ	1.8	8.4
Toluene	8.4	U	1.0	8.4
Tetrachloroethene	8.4	U	1.2	8.4
Tetrahydrofuran	34	U	4.8	34
1,2,3-Trichlorobenzene	8.4	UJ	1.8	8.4
1,2,4-Trichlorobenzene	8.4	UJ	2.1	8.4
1,1,1-Trichloroethane	8.4	U	1.2	8.4
1,1,2-Trichloroethane	8.4	U	1.5	8.4
Trichloroethene	8.4	U	1.7	8.4
Trichlorofluoromethane	8.4	U	1.6	8.4
1,2,3-Trichloropropane	8.4	UJ	2.8	8.4
1,1,2-Trichloro-1,2,2-trifluoroethane	8.4	U	1.3	8.4
1,2,4-Trimethylbenzene	8.4	UJ	2.3	8.4
1,3,5-Trimethylbenzene	8.4	UJ	1.6	8.4
Vinyl chloride	8.4	U	2.2	8.4
m&p-Xylene	8.4	U	2.6	8.4
o-Xylene	8.4	U	1.6	8.4

do not report

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		49 - 134
4-Bromofluorobenzene	157	*	36 - 133
Dibromofluoromethane	86		60 - 130
Toluene-d8 (Surr)	134		51 - 137

dam 12/15/08

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: SB-1

Lab Sample ID: 220-7217-1
Client Matrix: Solid
% Moisture: 17.7
Date Sampled: 11/12/2008 1015
Date Received: 11/13/2008 1558

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 11/25/2008 1441
Date Prepared: 11/24/2008 1036

Analysis Batch: 220-22346
Prep Batch: 220-22259

Instrument ID: TJA Trace ICAP
Lab File ID: W112508
Initial Weight/Volume: 1.33 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		1.9	J	1.4	11.4
Arsenic		13.4		0.71	5.7
Barium		81.5		0.25	2.3
Beryllium		0.62	J	0.25	2.3
Cadmium		5.7	U	0.59	5.7
Chromium		311		0.32	3.4
Copper		465		0.68	5.7
Lead		671		0.48	5.7
Cobalt		9.2 J		0.23	2.3
Nickel		98.6		0.59	5.7
Selenium		3.1	J	1.0	11.4
Silver		3.4	U	0.32	3.4
Thallium		8.0	U	3.5	8.0
Vanadium		21.8		0.21	4.6
Zinc		259		1.7	22.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 11/26/2008 1302
Date Prepared: 11/25/2008 1357

Analysis Batch: 220-22370
Prep Batch: 220-22309

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.63 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.24		0.017	0.058

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-1**

Lab Sample ID:	220-7217-1			Date Sampled:	11/12/2008 1015
Client Matrix:	Solid	% Moisture:	17.7	Date Received:	11/13/2008 1558

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-22308		Instrument ID:	HP5890 with FID/NPD
Preparation:	3541	Prep Batch: 220-22022		Lab File ID:	C2544150.d
Dilution:	5.0			Initial Weight/Volume:	15.32 g
Date Analyzed:	11/25/2008 1555			Final Weight/Volume:	1 mL
Date Prepared:	11/14/2008 1913			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	1300000		71000	71000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	159	*	50 - 150

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: SB-2

Lab Sample ID: 220-7217-2
Client Matrix: Solid
% Moisture: 20.6

Date Sampled: 11/12/2008 1045
Date Received: 11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/21/2008 1658
Date Prepared: 11/13/2008 1644

Analysis Batch: 220-22235
Prep Batch: 220-21987

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7828.D
Initial Weight/Volume: 3.71 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	31	J	4.0	34
Acrylonitrile	8.5	U	5.4	8.5
Benzene	8.5	U	1.2	8.5
Bromobenzene	8.5	UJ	0.97	8.5
n-Butylbenzene	8.5	UJ	1.7	8.5
sec-Butylbenzene	8.5	UJ	2.1	8.5
tert-Butylbenzene	8.5	UJ	1.0	8.5
Bromodichloromethane	8.5	U	1.1	8.5
Bromoform	8.5	U	2.9	8.5
Bromomethane	8.5	U	2.6	8.5
Methyl Ethyl Ketone	17	U	5.7	17
Chlorobenzene	8.5	U	1.5	8.5
Carbon disulfide	8.5	U	0.90	8.5
Carbon tetrachloride	8.5	U	1.2	8.5
Chloroethane	8.5	U	2.2	8.5
Chloroform	8.5	U	0.90	8.5
Chloromethane	8.5	U	1.7	8.5
2-Chlorotoluene	8.5	UJ	1.4	8.5
4-Chlorotoluene	8.5	UJ	1.9	8.5
Dibromochloromethane	8.5	U	1.8	8.5
1,2-Dibromo-3-Chloropropane	17	UJ	2.8	17
1,2-Dibromoethane	8.5	U	2.1	8.5
Dibromomethane	8.5	U	1.1	8.5
1,2-Dichlorobenzene	8.5	UJ	1.9	8.5
1,3-Dichlorobenzene	8.5	UJ	1.9	8.5
1,4-Dichlorobenzene	8.5	UJ	2.1	8.5
trans-1,4-Dichloro-2-butene	17	UJ	2.8	17
Dichlorodifluoromethane	8.5	U	2.7	8.5
1,1-Dichloroethane	8.5	U	1.1	8.5
1,2-Dichloroethane	8.5	U	1.8	8.5
1,1-Dichloroethene	8.5	U	1.3	8.5
cis-1,2-Dichloroethene	8.5	U	1.6	8.5
trans-1,2-Dichloroethene	8.5	U	1.6	8.5
1,2-Dichloropropane	8.5	U	1.6	8.5
1,3-Dichloropropane	8.5	U	0.83	8.5
2,2-Dichloropropane	8.5	U	1.3	8.5
1,1-Dichloropropene	42	U	1.1	42
cis-1,3-Dichloropropene	8.5	U	1.1	8.5
trans-1,3-Dichloropropene	8.5	U	1.8	8.5
Ethylbenzene	8.5	U	1.2	8.5
Hexachlorobutadiene	8.5	UJ	3.0	8.5
2-Hexanone	17	U	4.5	17
Isopropylbenzene	8.5	UJ	1.3	8.5
4-Isopropyltoluene	8.5	UJ	1.9	8.5

do not report

JAM 12/15/08

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-2**

Lab Sample ID:	220-7217-2			Date Sampled:	11/12/2008 1045
Client Matrix:	Solid	% Moisture:	20.6	Date Received:	11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-22235		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-21987		Lab File ID:	O7828.D
Dilution:	1.0			Initial Weight/Volume:	3.71 g
Date Analyzed:	11/21/2008 1658			Final Weight/Volume:	5 mL
Date Prepared:	11/13/2008 1644				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	34	U	2.4	34
methyl isobutyl ketone	8.5	U	1.6	8.5
Methyl tert-butyl ether	8.5	U	1.3	8.5
Naphthalene	8.5	U J	1.0	8.5
N-Propylbenzene	8.5	U J	1.3	8.5
Styrene	8.5	U	2.2	8.5
1,1,1,2-Tetrachloroethane	8.5	U	1.1	8.5
1,1,2,2-Tetrachloroethane	8.5	U J	1.8	8.5
Toluene	8.5	U	1.0	8.5
Tetrachloroethene	8.5	U	1.3	8.5
Tetrahydrofuran	34	U	4.9	34
1,2,3-Trichlorobenzene	8.5	U J	1.8	8.5
1,2,4-Trichlorobenzene	8.5	U J	2.1	8.5
1,1,1-Trichloroethane	8.5	U	1.2	8.5
1,1,2-Trichloroethane	8.5	U	1.5	8.5
Trichloroethene	8.5	U	1.7	8.5
Trichlorofluoromethane	8.5	U	1.6	8.5
1,2,3-Trichloropropane	8.5	U J	2.8	8.5
1,1,2-Trichloro-1,2,2-trifluoroethane	8.5	U	1.3	8.5
1,2,4-Trimethylbenzene	8.5	U J	2.4	8.5
1,3,5-Trimethylbenzene	8.5	U J	1.6	8.5
Vinyl chloride	8.5	U	2.2	8.5
m&p-Xylene	8.5	U	2.6	8.5
o-Xylene	8.5	U	1.6	8.5

do not report

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	70	49 - 134
4-Bromofluorobenzene	66	36 - 133
Dibromofluoromethane	67	60 - 130
Toluene-d8 (Surr)	86	51 - 137

AM 12/15/08

12/30/08

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-2**

Lab Sample ID:	220-7217-2			Date Sampled:	11/12/2008 1045
Client Matrix:	Solid	% Moisture:	20.6	Date Received:	11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-22235		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-21987		Lab File ID:	O7833.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Date Analyzed:	11/21/2008 1909	Run Type:	RA	Final Weight/Volume:	5 mL
Date Prepared:	11/13/2008 1643				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	14	J	2.9	25
Acrylonitrile	6.3	U	4.0	6.3
Benzene	6.3	U	0.89	6.3
Bromobenzene	6.3	U J	0.71	6.3
n-Butylbenzene	6.3	U J	1.3	6.3
sec-Butylbenzene	6.3	U J	1.5	6.3
tert-Butylbenzene	6.3	U J	0.76	6.3
Bromodichloromethane	6.3	U	0.81	6.3
Bromoform	6.3	U	2.2	6.3
Bromomethane	6.3	U	1.9	6.3
Methyl Ethyl Ketone	13	U	4.2	13
Chlorobenzene	6.3	U	1.1	6.3
Carbon disulfide	6.3	U	0.66	6.3
Carbon tetrachloride	6.3	U	0.89	6.3
Chloroethane	6.3	U	1.6	6.3
Chloroform	6.3	U	0.66	6.3
Chloromethane	6.3	U	1.3	6.3
2-Chlorotoluene	6.3	U J	1.1	6.3
4-Chlorotoluene	6.3	U J	1.4	6.3
Dibromochloromethane	6.3	U	1.3	6.3
1,2-Dibromo-3-Chloropropane	13	U J	2.1	13
1,2-Dibromoethane	6.3	U	1.6	6.3
Dibromomethane	6.3	U	0.84	6.3
1,2-Dichlorobenzene	6.3	U J	1.4	6.3
1,3-Dichlorobenzene	6.3	U J	1.4	6.3
1,4-Dichlorobenzene	6.3	U J	1.5	6.3
trans-1,4-Dichloro-2-butene	13	U J	2.1	13
Dichlorodifluoromethane	6.3	U	2.0	6.3
1,1-Dichloroethane	6.3	U	0.81	6.3
1,2-Dichloroethane	6.3	U	1.4	6.3
1,1-Dichloroethene	6.3	U	0.99	6.3
cis-1,2-Dichloroethene	6.3	U	1.2	6.3
trans-1,2-Dichloroethene	6.3	U	1.2	6.3
1,2-Dichloropropane	6.3	U	1.2	6.3
1,3-Dichloropropane	6.3	U	0.61	6.3
2,2-Dichloropropane	6.3	U	0.96	6.3
1,1-Dichloropropene	31	U	0.83	31
cis-1,3-Dichloropropene	6.3	U	0.78	6.3
trans-1,3-Dichloropropene	6.3	U	1.3	6.3
Ethylbenzene	6.3	U	0.89	6.3
Hexachlorobutadiene	6.3	U J	2.2	6.3
2-Hexanone	13	U	3.3	13
Isopropylbenzene	6.3	U J	0.94	6.3
4-Isopropyltoluene	6.3	U J	1.4	6.3

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-2**

Lab Sample ID:	220-7217-2			Date Sampled:	11/12/2008 1045
Client Matrix:	Solid	% Moisture:	20.6	Date Received:	11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-22235		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-21987		Lab File ID:	O7833.D
Dilution:	1.0			Initial Weight/Volume:	5.03 g
Date Analyzed:	11/21/2008 1909	Run Type:	RA	Final Weight/Volume:	5 mL
Date Prepared:	11/13/2008 1643				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	25	U	1.8	25
methyl isobutyl ketone	6.3	U	1.2	6.3
Methyl tert-butyl ether	6.3	U	0.93	6.3
Naphthalene	6.3	U J	0.74	6.3
N-Propylbenzene	6.3	U J	0.93	6.3
Styrene	6.3	U	1.6	6.3
1,1,1,2-Tetrachloroethane	6.3	U	0.83	6.3
1,1,2,2-Tetrachloroethane	6.3	U J	1.3	6.3
Toluene	6.3	U	0.74	6.3
Tetrachloroethene	6.3	U	0.93	6.3
Tetrahydrofuran	25	U	3.6	25
1,2,3-Trichlorobenzene	6.3	U J	1.3	6.3
1,2,4-Trichlorobenzene	6.3	U J	1.6	6.3
1,1,1-Trichloroethane	6.3	U	0.91	6.3
1,1,2-Trichloroethane	6.3	U	1.1	6.3
Trichloroethene	6.3	U	1.2	6.3
Trichlorofluoromethane	6.3	U	1.2	6.3
1,2,3-Trichloropropane	6.3	U J	2.1	6.3
1,1,2-Trichloro-1,2,2-trifluoroethane	6.3	U	0.98	6.3
1,2,4-Trimethylbenzene	6.3	U J	1.7	6.3
1,3,5-Trimethylbenzene	6.3	U J	1.2	6.3
Vinyl chloride	6.3	U	1.6	6.3
m&p-Xylene	6.3	U	1.9	6.3
o-Xylene	6.3	U	1.2	6.3

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83	49 - 134
4-Bromofluorobenzene	126	36 - 133
Dibromofluoromethane	76	60 - 130
Toluene-d8 (Surr)	116	51 - 137

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-2**

Lab Sample ID:	220-7217-2			Date Sampled:	11/12/2008 1045
Client Matrix:	Solid	% Moisture:	20.6	Date Received:	11/13/2008 1558

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-22346		Instrument ID:	TJA Trace ICAP
Preparation:	3050B	Prep Batch: 220-22259		Lab File ID:	W112508
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Date Analyzed:	11/25/2008 1447			Final Weight/Volume:	250 mL
Date Prepared:	11/24/2008 1036				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.8	J	1.8	14.7
Arsenic		24.9		0.91	7.4
Barium		198		0.32	2.9
Beryllium		0.56	J	0.32	2.9
Cadmium		7.4	U	0.77	7.4
Chromium		392		0.41	4.4
Copper		637		0.88	7.4
Lead		1220		0.62	7.4
Cobalt		11.5 J		0.29	2.9
Nickel		89.5		0.77	7.4
Selenium		3.7	J	1.3	14.7
Silver		4.4	U	0.41	4.4
Thallium		10.3	U	4.6	10.3
Vanadium		24.5		0.26	5.9
Zinc		238		2.2	29.4

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-22370		Instrument ID:	Perkin Elmer FIMS
Preparation:	7471A	Prep Batch: 220-22309		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Date Analyzed:	11/26/2008 1324			Final Weight/Volume:	50 mL
Date Prepared:	11/25/2008 1357				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.24		0.017	0.058

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Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: SB-2

Lab Sample ID:	220-7217-2			Date Sampled:	11/12/2008 1045
Client Matrix:	Solid	% Moisture:	20.6	Date Received:	11/13/2008 1558

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-22308		Instrument ID:	HP5890 with FID/NPD
Preparation:	3541	Prep Batch: 220-22022		Lab File ID:	C2544151.d
Dilution:	10			Initial Weight/Volume:	15.29 g
Date Analyzed:	11/25/2008 1622			Final Weight/Volume:	1 mL
Date Prepared:	11/14/2008 1913			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	2600000		150000	150000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	164	*	50 - 150

12/15/08

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

General Chemistry

Client Sample ID: SB-1

Lab Sample ID: 220-7217-1
Client Matrix: Solid
% Moisture: 17.7
Date Sampled: 11/12/2008 1015
Date Received: 11/13/2008 1558

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	130	J	ug/Kg	61	610	1.0	9012B
	Anly Batch: 220-22095	Date Analyzed		11/18/2008 1214		DryWt Corrected: Y	
	Prep Batch: 220-22080	Date Prepared:		11/17/2008 1115			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17.7		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22019	Date Analyzed		11/14/2008 1732			
Percent Solids	82.3		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22019	Date Analyzed		11/14/2008 1732			

Client Sample ID: SB-2

Lab Sample ID: 220-7217-2
Client Matrix: Solid
% Moisture: 20.6
Date Sampled: 11/12/2008 1045
Date Received: 11/13/2008 1558

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	200	J	ug/Kg	63	630	1.0	9012B
	Anly Batch: 220-22095	Date Analyzed		11/18/2008 1217		DryWt Corrected: Y	
	Prep Batch: 220-22080	Date Prepared:		11/17/2008 1115			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20.6		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22019	Date Analyzed		11/14/2008 1732			
Percent Solids	79.4		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22019	Date Analyzed		11/14/2008 1732			

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-3**

Lab Sample ID: 220-7217-3
Client Matrix: Solid
% Moisture: 17.6
Date Sampled: 11/12/2008 1115
Date Received: 11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 11/24/2008 1753
Date Prepared: 11/13/2008 1650

Analysis Batch: 220-22282
Prep Batch: 220-21989
Run Type: DL

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V9826.D
Initial Weight/Volume: 4.77 g
Final Weight/Volume: 5.83952 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	910	J	180	930
Acrylonitrile	370	U	97	370
Benzene	370	U	49	370
Bromobenzene	370	U	45	370
n-Butylbenzene	370	U	65	370
sec-Butylbenzene	370	U	56	370
tert-Butylbenzene	370	U	52	370
Bromodichloromethane	370	U	51	370
Bromoform	370	U	59	370
Bromomethane	370	U	68	370
Methyl Ethyl Ketone	370	U	82	370
Chlorobenzene	370	U	46	370
Carbon disulfide	370	U	49	370
Carbon tetrachloride	370	U	57	370
Chloroethane	370	U	59	370
Chloroform	370	U	46	370
Chloromethane	370	U	48	370
2-Chlorotoluene	370	U	120	370
4-Chlorotoluene	370	U	52	370
Dibromochloromethane	370	U	58	370
1,2-Dibromo-3-Chloropropane	370	UJ	43	370
1,2-Dibromoethane	370	U	37	370
Dibromomethane	370	U	53	370
1,2-Dichlorobenzene	370	U	45	370
1,3-Dichlorobenzene	370	U	45	370
1,4-Dichlorobenzene	370	U	46	370
trans-1,4-Dichloro-2-butene	370	U	180	370
Dichlorodifluoromethane	370	UJ	58	370
1,1-Dichloroethane	370	U	53	370
1,2-Dichloroethane	370	U	44	370
1,1-Dichloroethene	370	U	56	370
cis-1,2-Dichloroethene	48	J	45	370
trans-1,2-Dichloroethene	370	U	39	370
1,2-Dichloropropane	370	U	39	370
1,3-Dichloropropane	370	U	49	370
2,2-Dichloropropane	370	U	41	370
1,1-Dichloropropene	370	U	52	370
cis-1,3-Dichloropropene	370	U	45	370
trans-1,3-Dichloropropene	370	U	46	370
Ethylbenzene	370	U	39	370
Hexachlorobutadiene	370	UJ	74	370
2-Hexanone	370	U	97	370
Isopropylbenzene	370	U	53	370
4-Isopropyltoluene	370	U	45	370

Circled results reported only

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-3**

Lab Sample ID:	220-7217-3			Date Sampled:	11/12/2008 1115
Client Matrix:	Solid	% Moisture:	17.6	Date Received:	11/13/2008 1556

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-22282		Instrument ID:	HP 6890/5973 GC/MS
Preparation:	5035-Medium	Prep Batch: 220-21989		Lab File ID:	V9826.D
Dilution:	1.0			Initial Weight/Volume:	4.77 g
Date Analyzed:	11/24/2008 1753	Run Type:	DL	Final Weight/Volume:	5.63952 mL
Date Prepared:	11/13/2008 1650				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	480 UJ	~~J B~~	60	370
methyl isobutyl ketone	370	U	61	370
Methyl tert-butyl ether	370	U	37	370
Naphthalene	370	UJ	57	370
N-Propylbenzene	370	U	48	370
Styrene	370	U	59	370
1,1,1,2-Tetrachloroethane	370	U	64	370
1,1,2,2-Tetrachloroethane	370	U	49	370
Toluene	370	U	53	370
Tetrachloroethene	370	U	61	370
Tetrahydrofuran	370	U	130	370
1,2,3-Trichlorobenzene	370	UJ	56	370
1,2,4-Trichlorobenzene	370	U	65	370
1,1,1-Trichloroethane	370	U	46	370
1,1,2-Trichloroethane	370	U	51	370
Trichloroethene	370	U	48	370
Trichlorofluoromethane	370	U	48	370
1,2,3-Trichloropropane	370	U	97	370
1,1,2-Trichloro-1,2,2-trifluoroethane	370	U	51	370
1,2,4-Trimethylbenzene	370	U	40	370
1,3,5-Trimethylbenzene	370	U	39	370
Vinyl chloride	370	U	50	370
m&p-Xylene	370	U	97	370
o-Xylene	370	U	61	370

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	49 - 134
4-Bromofluorobenzene	109	36 - 133
Dibromofluoromethane	114	60 - 130
Toluene-d8 (Surr)	106	51 - 137

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: SB-3

Lab Sample ID: 220-7217-3
Client Matrix: Solid
% Moisture: 17.6

Date Sampled: 11/12/2008 1115
Date Received: 11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/21/2008 1723
Date Prepared: 11/13/2008 1645

Analysis Batch: 220-22235
Prep Batch: 220-21987

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7829.D
Initial Weight/Volume: 5.19 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		~~840~~ 910 J	~~E~~	2.7	23
Acrylonitrile		5.8	UJ	3.7	5.8
Benzene		1.9	J	0.83	5.8
Bromobenzene	370U	~~5.8~~ R	~~U~~	0.67	5.8
n-Butylbenzene	370U	~~5.8~~ R	~~U~~	1.2	5.8
sec-Butylbenzene	370U	~~5.8~~ R	~~U~~	1.4	5.8
tert-Butylbenzene	370U	~~5.8~~ R	~~U~~	0.71	5.8
Bromodichloromethane		5.8	UJ	0.76	5.8
Bromoform		5.8	UJ	2.0	5.8
Bromomethane		2.2	J	1.8	5.8
Methyl Ethyl Ketone		330 J	~~E~~	3.9	12
Chlorobenzene		5.8	UJ	1.0	5.8
Carbon disulfide		5.8	UJ	0.62	5.8
Carbon tetrachloride		5.8	UJ	0.83	5.8
Chloroethane		3.2	J	1.5	5.8
Chloroform		5.8	UJ	0.62	5.8
Chloromethane		5.8	UJ	1.2	5.8
2-Chlorotoluene	370U	~~5.8~~ R	~~U~~	0.98	5.8
4-Chlorotoluene	370U	~~5.8~~ R	~~U~~	1.3	5.8
Dibromochloromethane		5.8	UJ	1.3	5.8
1,2-Dibromo-3-Chloropropane	370UJ	~~12~~ R	~~U~~	1.9	12
1,2-Dibromoethane		5.8	UJ	1.5	5.8
Dibromomethane		5.8	UJ	0.78	5.8
1,2-Dichlorobenzene	370U	~~5.8~~ R	~~U~~	1.3	5.8
1,3-Dichlorobenzene		~~5.8~~ R	~~U~~	1.3	5.8
1,4-Dichlorobenzene		~~5.8~~ R	~~U~~	1.4	5.8
trans-1,4-Dichloro-2-butene	370U	~~12~~ R	~~U~~	2.0	12
Dichlorodifluoromethane		5.8	UJ	1.8	5.8
1,1-Dichloroethane		5.8	UJ	0.76	5.8
1,2-Dichloroethane		5.8	UJ	1.3	5.8
1,1-Dichloroethene		5.8	UJ	0.92	5.8
cis-1,2-Dichloroethene		~~5.8~~ 40 J	~~U~~	1.1	5.8
trans-1,2-Dichloroethene		5.8	UJ	1.1	5.8
1,2-Dichloropropane		5.8	UJ	1.1	5.8
1,3-Dichloropropane		5.8	UJ	0.57	5.8
2,2-Dichloropropane		5.8	UJ	0.90	5.8
1,1-Dichloropropene		29	UJ	0.77	29
cis-1,3-Dichloropropene		5.8	UJ	0.73	5.8
trans-1,3-Dichloropropene		5.8	UJ	1.3	5.8
Ethylbenzene		5.8	UJ	0.83	5.8
Hexachlorobutadiene	370UJ	~~5.8~~ R	~~U~~	2.1	5.8
2-Hexanone		77 J		3.1	12
Isopropylbenzene	370U	~~5.8~~ R	~~U~~	0.88	5.8
4-Isopropyltoluene	370U	~~5.8~~ R	~~U~~	1.3	5.8

Circled results from medium level were combined with low level analysis

12/30/08

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: *SB-3*

Lab Sample ID	220-7217-3			Date Sampled:	11/12/2008 1115
Client Matrix:	Solid	% Moisture:	17.6	Date Received:	11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-22235		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-21987		Lab File ID:	O7829.D
Dilution:	1.0			Initial Weight/Volume:	5.19 g
Date Analyzed	11/21/2008 1723			Final Weight/Volume:	5 mL
Date Prepared	11/13/2008 1645				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride		~~1.9~~ 23U	~~J~~	1.6	23
methyl isobutyl ketone		5.8	U J	1.1	5.8
Methyl tert-butyl ether		5.8	U J	0.87	5.8
Naphthalene	370 UJ	~~5.8~~ R	~~U~~	0.69	5.8
N-Propylbenzene	370U	~~5.8~~ R	~~U~~	0.87	5.8
Styrene		5.8	U J	1.5	5.8
1,1,1,2-Tetrachloroethane		5.8	U J	0.77	5.8
1,1,2,2-Tetrachloroethane	370U	~~5.8~~ R	~~U~~	1.2	5.8
Toluene		1.8	J	0.69	5.8
Tetrachloroethene		5.8	U J	0.87	5.8
Tetrahydrofuran		23	U J	3.4	23
1,2,3-Trichlorobenzene	370UJ	~~5.8~~ R	~~U~~	1.2	5.8
1,2,4-Trichlorobenzene	370U	~~5.8~~ R	~~U~~	1.5	5.8
1,1,1-Trichloroethane		5.8	U J	0.85	5.8
1,1,2-Trichloroethane		5.8	U	1.0	5.8
Trichloroethene		5.8	U	1.2	5.8
Trichlorofluoromethane		5.8	U J	1.1	5.8
1,2,3-Trichloropropane	370U	~~5.8~~ R	~~U~~	1.9	5.8
1,1,2-Trichloro-1,2,2-trifluoroethane		5.8	U J	0.91	5.8
1,2,4-Trimethylbenzene	370U	~~5.8~~ R	~~U~~	1.6	5.8
1,3,5-Trimethylbenzene	370U	~~5.8~~ R	~~U~~	1.1	5.8
Vinyl chloride		5.8	U J	1.5	5.8
m&p-Xylene		5.8	U J	1.8	5.8
o-Xylene		5.8	U J	1.1	5.8

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	49 - 134
4-Bromofluorobenzene	122	36 - 133
Dibromofluoromethane	44	60 - 130
Toluene-d8 (Surr)	106	51 - 137

MMM 12/30/08

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-3**

Lab Sample ID:	220-7217-3			Date Sampled:	11/12/2008 1115
Client Matrix:	Solid	% Moisture:	17.6	Date Received:	11/13/2008 1558

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-22346		Instrument ID:	TJA Trace ICAP
Preparation:	3050B	Prep Batch: 220-22259		Lab File ID:	W112508
Dilution:	1.0			Initial Weight/Volume:	1.27 g
Date Analyzed:	11/25/2008 1452			Final Weight/Volume:	250 mL
Date Prepared:	11/24/2008 1036				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.7	J	1.4	11.9
Arsenic		16.8		0.74	6.0
Barium		87.1		0.26	2.4
Beryllium		0.44	J	0.26	2.4
Cadmium		1.2	J	0.62	6.0
Chromium		2130		0.33	3.6
Copper		716		0.72	6.0
Lead		802		0.50	6.0
Cobalt		16.5 J		0.24	2.4
Nickel		227		0.62	6.0
Selenium		3.7	J	1.1	11.9
Silver		0.51	J	0.33	3.6
Thallium		8.4	U	3.7	8.4
Vanadium		30.7		0.22	4.8
Zinc		138		1.8	23.9

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-22370		Instrument ID:	Perkin Elmer FIMS
Preparation:	7471A	Prep Batch: 220-22309		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Date Analyzed:	11/26/2008 1326			Final Weight/Volume:	50 mL
Date Prepared:	11/25/2008 1357				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.13		0.018	0.060

Jom 12/15/08

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: SB-3

Lab Sample ID:	220-7217-3			Date Sampled:	11/12/2008 1115
Client Matrix:	Solid	% Moisture:	17.6	Date Received:	11/13/2008 1558

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-22308		Instrument ID:	HP5890 with FID/NPD
Preparation:	3541	Prep Batch: 220-22022		Lab File ID:	C2544152.d
Dilution:	50			Initial Weight/Volume:	15.27 g
Date Analyzed:	11/25/2008 1649			Final Weight/Volume:	1 mL
Date Prepared:	11/14/2008 1913			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	14000000		720000	720000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	50 - 150

Jam 12/15/08

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-4**

Lab Sample ID: 220-7217-4
Client Matrix: Solid
% Moisture: 10.5
Date Sampled: 11/12/2008 1145
Date Received: 11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/21/2008 1748
Date Prepared: 11/13/2008 1646

Analysis Batch: 220-22235
Prep Batch: 220-21987

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7830.D
Initial Weight/Volume: 4.99 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	22	U	2.6	22
Acrylonitrile	5.6	U	3.6	5.6
Benzene	5.6	U	0.80	5.6
Bromobenzene	5.6	U	0.64	5.6
n-Butylbenzene	5.6	U	1.1	5.6
sec-Butylbenzene	5.6	U	1.4	5.6
tert-Butylbenzene	5.6	U	0.68	5.6
Bromodichloromethane	5.6	U	0.73	5.6
Bromoform	5.6	U	1.9	5.6
Bromomethane	5.6	U	1.7	5.6
Methyl Ethyl Ketone	11	U	3.8	11
Chlorobenzene	5.6	U	0.99	5.6
Carbon disulfide	5.6	U	0.59	5.6
Carbon tetrachloride	5.6	U	0.80	5.6
Chloroethane	5.6	U	1.4	5.6
Chloroform	5.6	U	0.59	5.6
Chloromethane	5.6	U	1.1	5.6
2-Chlorotoluene	5.6	U	0.94	5.6
4-Chlorotoluene	5.6	U	1.3	5.6
Dibromochloromethane	5.6	U	1.2	5.6
1,2-Dibromo-3-Chloropropane	11	U	1.8	11
1,2-Dibromoethane	5.6	U	1.4	5.6
Dibromomethane	5.6	U	0.75	5.6
1,2-Dichlorobenzene	5.6	U	1.2	5.6
1,3-Dichlorobenzene	5.6	U	1.3	5.6
1,4-Dichlorobenzene	5.6	U	1.4	5.6
trans-1,4-Dichloro-2-butene	11	U	1.9	11
Dichlorodifluoromethane	5.6	U	1.8	5.6
1,1-Dichloroethane	5.6	U	0.73	5.6
1,2-Dichloroethane	5.6	U	1.2	5.6
1,1-Dichloroethene	5.6	U	0.88	5.6
cis-1,2-Dichloroethene	5.6	U	1.0	5.6
trans-1,2-Dichloroethene	5.6	U	1.1	5.6
1,2-Dichloropropane	5.6	U	1.1	5.6
1,3-Dichloropropane	5.6	U	0.55	5.6
2,2-Dichloropropane	5.6	U	0.86	5.6
1,1-Dichloropropene	28	U	0.74	28
cis-1,3-Dichloropropene	5.6	U	0.69	5.6
trans-1,3-Dichloropropene	5.6	U	1.2	5.6
Ethylbenzene	5.6	U	0.80	5.6
Hexachlorobutadiene	5.6	U	2.0	5.6
2-Hexanone	11	U	3.0	11
Isopropylbenzene	5.6	U	0.84	5.6
4-Isopropyltoluene	5.6	U	1.2	5.6

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-4**

Lab Sample ID:	220-7217-4			Date Sampled:	11/12/2008 1145
Client Matrix:	Solid	% Moisture:	10.5	Date Received:	11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-22235		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-21987		Lab File ID:	O7830.D
Dilution:	1.0			Initial Weight/Volume:	4.99 g
Date Analyzed:	11/21/2008 1748			Final Weight/Volume:	5 mL
Date Prepared:	11/13/2008 1646				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~17~~ 22	~~J~~ U	1.6	22
methyl isobutyl ketone	5.6	U	1.1	5.6
Methyl tert-butyl ether	5.6	U	0.83	5.6
Naphthalene	5.6	U	0.66	5.6
N-Propylbenzene	5.6	U	0.83	5.6
Styrene	5.6	U	1.4	5.6
1,1,1,2-Tetrachloroethane	5.6	U	0.74	5.6
1,1,2,2-Tetrachloroethane	5.6	U	1.2	5.6
Toluene	5.6	U	0.66	5.6
Tetrachloroethene	5.6	U	0.83	5.6
Tetrahydrofuran	22	U	3.2	22
1,2,3-Trichlorobenzene	5.6	U	1.2	5.6
1,2,4-Trichlorobenzene	5.6	U	1.4	5.6
1,1,1-Trichloroethane	5.6	U	0.82	5.6
1,1,2-Trichloroethane	5.6	U	0.97	5.6
Trichloroethene	5.6	U	1.1	5.6
Trichlorofluoromethane	5.6	U	1.1	5.6
1,2,3-Trichloropropane	5.6	U	1.8	5.6
1,1,2-Trichloro-1,2,2-trifluoroethane	5.6	U	0.87	5.6
1,2,4-Trimethylbenzene	5.6	U	1.6	5.6
1,3,5-Trimethylbenzene	5.6	U	1.1	5.6
Vinyl chloride	5.6	U	1.5	5.6
m&p-Xylene	5.6	U	1.7	5.6
o-Xylene	5.6	U	1.1	5.6

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	49 - 134
4-Bromofluorobenzene	113	36 - 133
Dibromofluoromethane	86	60 - 130
Toluene-d8 (Surr)	117	51 - 137

12/30/08

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: SB-4

Lab Sample ID:	220-7217-4			Date Sampled:	11/12/2008 1145
Client Matrix:	Solid	% Moisture:	10.5	Date Received:	11/13/2008 1558

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-22346		Instrument ID:	TJA Trace ICAP
Preparation:	3050B	Prep Batch: 220-22259		Lab File ID:	W112508
Dilution:	1.0			Initial Weight/Volume:	1.40 g
Date Analyzed:	11/25/2008 1520			Final Weight/Volume:	250 mL
Date Prepared:	11/24/2008 1036				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		10	U	1.2	10
Arsenic		5.5		0.62	5.0
Barium		52.0		0.22	2.0
Beryllium		0.50	J	0.22	2.0
Cadmium		5.0	U	0.52	5.0
Chromium		30.6		0.28	3.0
Copper		115		0.60	5.0
Lead		42.2		0.42	5.0
Cobalt		6.6		0.20	2.0
Nickel		23.4		0.52	5.0
Selenium		1.1	J	0.90	10
Silver		3.0	U	0.28	3.0
Thallium		7.0	U	3.1	7.0
Vanadium		22.1		0.18	4.0
Zinc		134		1.5	20.0

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-22370		Instrument ID:	Perkin Elmer FIMS
Preparation:	7471A	Prep Batch: 220-22309		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Date Analyzed:	11/26/2008 1327			Final Weight/Volume:	50 mL
Date Prepared:	11/25/2008 1357				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.065		0.015	0.050

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-4**

Lab Sample ID:	220-7217-4			Date Sampled:	11/12/2008 1145
Client Matrix:	Solid	% Moisture:	10.5	Date Received:	11/13/2008 1558

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-22149		Instrument ID:	HP5890 with FID/NPD
Preparation:	3541	Prep Batch: 220-22022		Lab File ID:	C2544081.d
Dilution:	2.0			Initial Weight/Volume:	15.25 g
Date Analyzed:	11/19/2008 1622			Final Weight/Volume:	1 mL
Date Prepared:	11/14/2008 1913			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	260000		26000	26000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	113	50 - 150

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Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

General Chemistry

Client Sample ID: ***SB-3***

Lab Sample ID: 220-7217-3
Client Matrix: Solid
% Moisture: 17.6
Date Sampled: 11/12/2008 1115
Date Received: 11/13/2008 1558

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	100	J	ug/Kg	61	610	1.0	9012B
	Anly Batch: 220-22095		Date Analyzed	11/18/2008 1219			DryWt Corrected: Y
	Prep Batch: 220-22080		Date Prepared:	11/17/2008 1115			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17.6		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22019		Date Analyzed	11/14/2008 1745			
Percent Solids	82.4		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22019		Date Analyzed	11/14/2008 1745			

Client Sample ID: **SB-4**

Lab Sample ID: 220-7217-4
Client Matrix: Solid
% Moisture: 10.5
Date Sampled: 11/12/2008 1145
Date Received: 11/13/2008 1558

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	97	J	ug/Kg	56	560	1.0	9012B
	Anly Batch: 220-22095		Date Analyzed	11/18/2008 1220			DryWt Corrected: Y
	Prep Batch: 220-22080		Date Prepared:	11/17/2008 1115			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22019		Date Analyzed	11/14/2008 1745			
Percent Solids	89.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22019		Date Analyzed	11/14/2008 1745			

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-5**

Lab Sample ID: 220-7217-5
Client Matrix: Solid
% Moisture: 15.0
Date Sampled: 11/12/2008 1500
Date Received: 11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/21/2008 1934
Date Prepared: 11/13/2008 1647

Analysis Batch: 220-22235
Prep Batch: 220-21987
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7834.D
Initial Weight/Volume: 5.65 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	25 J		2.4	21
Acrylonitrile	5.2	U	3.3	5.2
Benzene	5.2	U	0.74	5.2
Bromobenzene	5.2	UJ	0.59	5.2
n-Butylbenzene	5.2	UJ	1.1	5.2
sec-Butylbenzene	5.2	UJ	1.3	5.2
tert-Butylbenzene	5.2	UJ	0.64	5.2
Bromodichloromethane	5.2	U	0.68	5.2
Bromoform	5.2	U	1.8	5.2
Bromomethane	5.2	U	1.6	5.2
Methyl Ethyl Ketone	10	U	3.5	10
Chlorobenzene	5.2	U	0.92	5.2
Carbon disulfide	5.2	U	0.55	5.2
Carbon tetrachloride	5.2	U	0.74	5.2
Chloroethane	5.2	U	1.3	5.2
Chloroform	5.2	U	0.55	5.2
Chloromethane	5.2	U	1.1	5.2
2-Chlorotoluene	5.2	UJ	0.87	5.2
4-Chlorotoluene	5.2	UJ	1.2	5.2
Dibromochloromethane	5.2	U	1.1	5.2
1,2-Dibromo-3-Chloropropane	10	UJ	1.7	10
1,2-Dibromoethane	5.2	U	1.3	5.2
Dibromomethane	5.2	U	0.70	5.2
1,2-Dichlorobenzene	5.2	UJ	1.1	5.2
1,3-Dichlorobenzene	5.2	UJ	1.2	5.2
1,4-Dichlorobenzene	5.2	UJ	1.3	5.2
trans-1,4-Dichloro-2-butene	10	UJ	1.7	10
Dichlorodifluoromethane	5.2	UJ	1.6	5.2
1,1-Dichloroethane	5.2	U	0.68	5.2
1,2-Dichloroethane	5.2	U	1.1	5.2
1,1-Dichloroethene	5.2	U	0.82	5.2
cis-1,2-Dichloroethene	9.5 J		0.96	5.2
trans-1,2-Dichloroethene	5.2	U	1.0	5.2
1,2-Dichloropropane	5.2	U	1.0	5.2
1,3-Dichloropropane	5.2	U	0.51	5.2
2,2-Dichloropropane	5.2	U	0.80	5.2
1,1-Dichloropropene	26	U	0.69	26
cis-1,3-Dichloropropene	5.2	U	0.65	5.2
trans-1,3-Dichloropropene	5.2	U	1.1	5.2
Ethylbenzene	5.2	U	0.74	5.2
Hexachlorobutadiene	5.2	UJ	1.8	5.2
2-Hexanone	10	U	2.7	10
Isopropylbenzene	5.2	UJ	0.78	5.2
4-Isopropyltoluene	5.2	UJ	1.2	5.2

do not report

12/30/08

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: SB-5

Lab Sample ID:	220-7217-5			Date Sampled:	11/12/2008 1500
Client Matrix:	Solid	% Moisture:	15.0	Date Received:	11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-22235		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-21987		Lab File ID:	O7834.D
Dilution:	1.0			Initial Weight/Volume:	5.65 g
Date Analyzed:	11/21/2008 1934	Run Type:	RA	Final Weight/Volume:	5 mL
Date Prepared:	11/13/2008 1647				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL	
Methylene Chloride	~~2.5~~ 21 U	~~J~~	1.5	21	
methyl isobutyl ketone	5.2	U	0.98	5.2	
Methyl tert-butyl ether	5.2	U	0.77	5.2	
Naphthalene	5.2	U J	0.61	5.2	
N-Propylbenzene	5.2	U J	0.77	5.2	
Styrene	5.2	U	1.3	5.2	
1,1,1,2-Tetrachloroethane	5.2	U	0.69	5.2	
1,1,2,2-Tetrachloroethane	5.2	U J	1.1	5.2	
Toluene	5.2	U	0.61	5.2	do not
Tetrachloroethene	5.2	U	0.77	5.2	report
Tetrahydrofuran	21	U	3.0	21	
1,2,3-Trichlorobenzene	5.2	U J	1.1	5.2	
1,2,4-Trichlorobenzene	5.2	U J	1.3	5.2	
1,1,1-Trichloroethane	5.2	U	0.76	5.2	
1,1,2-Trichloroethane	5.2	U	0.91	5.2	
Trichloroethene	25 J		1.0	5.2	
Trichlorofluoromethane	5.2	U	0.99	5.2	
1,2,3-Trichloropropane	5.2	U J	1.7	5.2	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U	0.81	5.2	
1,2,4-Trimethylbenzene	5.2	U J	1.4	5.2	
1,3,5-Trimethylbenzene	5.2	U J	1.0	5.2	
Vinyl chloride	5.2	U	1.4	5.2	
m&p-Xylene	5.2	U	1.6	5.2	
o-Xylene	5.2	U	0.98	5.2	

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		49 - 134
4-Bromofluorobenzene	199	*	36 - 133
Dibromofluoromethane	111		60 - 130
Toluene-d8 (Surr)	165	*	51 - 137

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-5**

Lab Sample ID:	220-7217-5			Date Sampled:	11/12/2008 1500
Client Matrix:	Solid	% Moisture:	15.0	Date Received:	11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-22235		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-21987		Lab File ID:	O7831.D
Dilution:	1.0			Initial Weight/Volume:	5.68 g
Date Analyzed:	11/21/2008 1813			Final Weight/Volume:	5 mL
Date Prepared:	11/13/2008 1647				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	30		2.4	21
Acrylonitrile	5.2	U	3.3	5.2
Benzene	5.2	U	0.74	5.2
Bromobenzene	5.2	U	0.59	5.2
n-Butylbenzene	5.2	U	1.1	5.2
sec-Butylbenzene	5.2	U	1.3	5.2
tert-Butylbenzene	5.2	U	0.63	5.2
Bromodichloromethane	5.2	U	0.67	5.2
Bromoform	5.2	U	1.8	5.2
Bromomethane	5.2	U	1.6	5.2
Methyl Ethyl Ketone	10	U	3.5	10
Chlorobenzene	5.2	U	0.91	5.2
Carbon disulfide	5.2	U	0.55	5.2
Carbon tetrachloride	5.2	U	0.74	5.2
Chloroethane	5.2	U	1.3	5.2
Chloroform	5.2	U	0.55	5.2
Chloromethane	5.2	U	1.0	5.2
2-Chlorotoluene	5.2	U	0.87	5.2
4-Chlorotoluene	5.2	U	1.2	5.2
Dibromochloromethane	5.2	U	1.1	5.2
1,2-Dibromo-3-Chloropropane	10	U	1.7	10
1,2-Dibromoethane	5.2	U	1.3	5.2
Dibromomethane	5.2	U	0.69	5.2
1,2-Dichlorobenzene	5.2	U	1.1	5.2
1,3-Dichlorobenzene	5.2	U	1.2	5.2
1,4-Dichlorobenzene	5.2	U	1.3	5.2
trans-1,4-Dichloro-2-butene	10	U	1.7	10
Dichlorodifluoromethane	5.2	U	1.6	5.2
1,1-Dichloroethane	5.2	U	0.67	5.2
1,2-Dichloroethane	5.2	U	1.1	5.2
1,1-Dichloroethene	5.2	U	0.82	5.2
cis-1,2-Dichloroethene	7.4		0.95	5.2
trans-1,2-Dichloroethene	5.2	U	0.99	5.2
1,2-Dichloropropane	5.2	U	1.0	5.2
1,3-Dichloropropane	5.2	U	0.51	5.2
2,2-Dichloropropane	5.2	U	0.80	5.2
1,1-Dichloropropene	26	U	0.68	26
cis-1,3-Dichloropropene	5.2	U	0.64	5.2
trans-1,3-Dichloropropene	5.2	U	1.1	5.2
Ethylbenzene	5.2	U	0.74	5.2
Hexachlorobutadiene	5.2	U	1.8	5.2
2-Hexanone	10	U	2.7	10
Isopropylbenzene	5.2	U	0.78	5.2
4-Isopropyltoluene	5.2	U	1.1	5.2

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-5**

Lab Sample ID:	220-7217-5			Date Sampled:	11/12/2008 1500
Client Matrix:	Solid	% Moisture:	15.0	Date Received:	11/13/2008 1558

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-22235		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-21987		Lab File ID:	O7831.D
Dilution:	1.0			Initial Weight/Volume:	5.68 g
Date Analyzed:	11/21/2008 1813			Final Weight/Volume:	5 mL
Date Prepared:	11/13/2008 1647				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	21	U	1.5	21
methyl isobutyl ketone	5.2	U	0.97	5.2
Methyl tert-butyl ether	5.2	U	0.77	5.2
Naphthalene	5.2	U	0.61	5.2
N-Propylbenzene	5.2	U	0.77	5.2
Styrene	5.2	U	1.3	5.2
1,1,1,2-Tetrachloroethane	5.2	U	0.68	5.2
1,1,2,2-Tetrachloroethane	5.2	U	1.1	5.2
Toluene	5.2	U	0.61	5.2
Tetrachloroethene	5.2	U	0.77	5.2
Tetrahydrofuran	21	U	3.0	21
1,2,3-Trichlorobenzene	5.2	U	1.1	5.2
1,2,4-Trichlorobenzene	5.2	U	1.3	5.2
1,1,1-Trichloroethane	5.2	U	0.76	5.2
1,1,2-Trichloroethane	5.2	U	0.90	5.2
Trichloroethene	7.0		1.0	5.2
Trichlorofluoromethane	5.2	U	0.98	5.2
1,2,3-Trichloropropane	5.2	U	1.7	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U	0.81	5.2
1,2,4-Trimethylbenzene	5.2	U	1.4	5.2
1,3,5-Trimethylbenzene	5.2	U	0.99	5.2
Vinyl chloride	5.2	U	1.3	5.2
m&p-Xylene	5.2	U	1.6	5.2
o-Xylene	5.2	U	0.97	5.2

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	68	49 - 134
4-Bromofluorobenzene	37	36 - 133
Dibromofluoromethane	60	60 - 130
Toluene-d8 (Surr)	63	51 - 137

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-5**

Lab Sample ID: 220-7217-5
Client Matrix: Solid

Date Sampled: 11/12/2008 1500
Date Received: 11/13/2008 1558

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 220-22360		Instrument ID:	TJA Trace ICAP
Preparation:	3010A	Prep Batch: 220-22311		Lab File ID:	W112608
Dilution:	1.0	Leachate Batch: 220-22275		Initial Weight/Volume:	10 mL
Date Analyzed:	11/26/2008 1205			Final Weight/Volume:	50 mL
Date Prepared:	11/25/2008 1411				
Date Leached:	11/24/2008 1556				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.20	U	0.022	0.20
Barium		0.25		0.0060	0.025
Cadmium		0.050	U	0.014	0.050
Chromium		0.016	J	0.0050	0.050
Lead		0.45		0.015	0.050
Selenium		~~0.024~~ 0.150	~~J~~	0.016	0.15
Silver		0.030	U	0.0065	0.030

7470A Mercury (CVAA)-TCLP

Method:	7470A	Analysis Batch: 220-22376		Instrument ID:	Perkin Elmer FIMS
Preparation:	7470A	Prep Batch: 220-22357		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-22275		Initial Weight/Volume:	5 mL
Date Analyzed:	11/26/2008 1648			Final Weight/Volume:	50 mL
Date Prepared:	11/26/2008 1206				
Date Leached:	11/24/2008 1556				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.0020	U	0.0010	0.0020

12/15/08

12/30/08

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: SB-5

Lab Sample ID:	220-7217-5			Date Sampled:	11/12/2008 1500
Client Matrix:	Solid	% Moisture:	15.0	Date Received:	11/13/2008 1558

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-22144		Instrument ID:	HP 5890 with dual ECD
Preparation:	3541	Prep Batch: 220-22088		Lab File ID:	C4732133.d
Dilution:	1.0			Initial Weight/Volume:	15.14 g
Date Analyzed:	11/21/2008 0045			Final Weight/Volume:	5.0 mL
Date Prepared:	11/18/2008 0930			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	20	U	3.2	20
PCB-1221	38	U	7.0	38
PCB-1232	20	U	4.0	20
PCB-1242	20	U	5.0	20
PCB-1248	20	U	5.0	20
PCB-1254	20	U	3.7	20
PCB-1260	40		2.9	20
PCB-1262	20	U	5.9	20
PCB-1268	20	U	3.8	20

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	77	25 - 159
Tetrachloro-m-xylene	106	24 - 154

Method:	8082	Analysis Batch: 220-22144		Instrument ID:	HP 5890 with dual ECD
Preparation:	3541	Prep Batch: 220-22088		Lab File ID:	D4732133.d
Dilution:	1.0			Initial Weight/Volume:	15.14 g
Date Analyzed:	11/21/2008 0045			Final Weight/Volume:	5.0 mL
Date Prepared:	11/18/2008 0930			Injection Volume:	1.0 uL
				Column ID:	SECONDARY

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	142	25 - 159
Tetrachloro-m-xylene	98	24 - 154

12/15/08

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

Client Sample ID: **SB-5**

Lab Sample ID:	220-7217-5			Date Sampled:	11/12/2008 1500
Client Matrix:	Solid	% Moisture:	15.0	Date Received:	11/13/2008 1558

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-22308		Instrument ID:	HP5890 with FID/NPD
Preparation:	3541	Prep Batch: 220-22022		Lab File ID:	C2544153.d
Dilution:	10			Initial Weight/Volume:	15.15 g
Date Analyzed:	11/25/2008 1717			Final Weight/Volume:	1 mL
Date Prepared:	11/14/2008 1913			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	2100000		140000	140000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	201	*	50 - 150

12/15/08

12/30/08

Client: GEI Consultants, Inc.

Job Number: 220-7217-1
Sdg Number: 220-7217

General Chemistry

Client Sample ID: **SB-5**

Lab Sample ID: 220-7217-5
Client Matrix: Solid

Date Sampled: 11/12/2008 1500
Date Received: 11/13/2008 1558

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Ignitability	neg		mm/sec	2.2	2.2	1.0	1030
	Anly Batch: 220-22067		Date Analyzed	11/17/2008 1520			DryWt Corrected: N
Temperature	1960		Fahrenheit	1.00	1.00	1.0	1030
	Anly Batch: 220-22067		Date Analyzed	11/17/2008 1520			DryWt Corrected: N
Cyanide, Reactive	0.50	U	mg/Kg	0.50	0.50	1.0	9012
	Anly Batch: 220-22179		Date Analyzed	11/20/2008 1306			DryWt Corrected: N
	Prep Batch: 220-22168		Date Prepared:	11/18/2008 1950			
Sulfide, Reactive	20.0	U	mg/Kg	20.0	20.0	1.0	9034
	Anly Batch: 220-22195		Date Analyzed	11/20/2008 1314			DryWt Corrected: N
	Prep Batch: 220-22192		Date Prepared:	11/18/2008 1950			
pH	6.22	HI	SU	0.100	0.100	1.0	9045C
	Anly Batch: 220-21966		Date Analyzed	11/14/2008 1132			DryWt Corrected: N
Percent Moisture	15.0		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22019		Date Analyzed	11/14/2008 1745			
Percent Solids	85.0		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22019		Date Analyzed	11/14/2008 1745			

12/15/08

12/30/08

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-6**

Lab Sample ID: 220-7267-1
Client Matrix: Solid
% Moisture: 43.1
Date Sampled: 11/17/2008 0900
Date Received: 11/18/2008 1815

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 12/01/2008 1401
Date Prepared: 11/19/2008 0900
Analysis Batch: 220-22462
Prep Batch: 220-22142
Run Type: DL
Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W1130.D
Initial Weight/Volume: 4.16 g
Final Weight/Volume: 6.79296 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	1800	U	340	1800
Acrylonitrile	720	U	190	720
Benzene	720	U	95	720
Bromobenzene	720	U	86	720
n-Butylbenzene	720	U	120	720
sec-Butylbenzene	720	U	110	720
tert-Butylbenzene	720	U	100	720
Bromodichloromethane	720	U	99	720
Bromoform	720	U	110	720
Bromomethane	720	U	130	720
Methyl Ethyl Ketone	720	U	160	720
Chlorobenzene	100	J	89	720
Carbon disulfide	720	U	95	720
Carbon tetrachloride	720	U	110	720
Chloroethane	720	U	110	720
Chloroform	720	U	89	720
Chloromethane	720	U	92	720
2-Chlorotoluene	720	U	230	720
4-Chlorotoluene	720	U	100	720
Dibromochloromethane	720	U	110	720
1,2-Dibromo-3-Chloropropane	720	U	83	720
1,2-Dibromoethane	720	U	72	720
Dibromomethane	720	U	100	720
1,2-Dichlorobenzene	510	J	86	720
1,3-Dichlorobenzene	720	U	86	720
1,4-Dichlorobenzene	160	J	89	720
trans-1,4-Dichloro-2-butene	720	U	340	720
Dichlorodifluoromethane	720	U	110	720
1,1-Dichloroethane	720	U	100	720
1,2-Dichloroethane	720	U	85	720
1,1-Dichloroethene	720	U	110	720
cis-1,2-Dichloroethene	720	U	86	720
trans-1,2-Dichloroethene	720	U	76	720
1,2-Dichloropropane	720	U	75	720
1,3-Dichloropropane	720	U	95	720
2,2-Dichloropropane	720	U	79	720
1,1-Dichloropropene	720	U	100	720
cis-1,3-Dichloropropene	720	U	88	720
trans-1,3-Dichloropropene	720	U	89	720
Ethylbenzene	720	J	75	720
Hexachlorobutadiene	720	U	140	720
2-Hexanone	720	U	190	720
Isopropylbenzene	720	U	100	720
4-Isopropyltoluene	720	U	88	720

Report circled compounds

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-6**

Lab Sample ID: 220-7267-1
Client Matrix: *Solid*

% Moisture: 43.1

Date Sampled: 11/17/2008 0900
Date Received: 11/18/2008 1815

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-22462		Instrument ID:	HP 6890/5973 GC/MS
Preparation:	5035-Medium	Prep Batch: 220-22142		Lab File ID:	W1130.D
Dilution:	1.0			Initial Weight/Volume:	4.16 g
Date Analyzed:	12/01/2008 1401	Run Type: DL		Final Weight/Volume:	6.79296 mL
Date Prepared:	11/19/2008 0900				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~140~~ 720 U	~~J~~	120	720
methyl isobutyl ketone	720	U	120	720
Methyl tert-butyl ether	720	U	72	720
Naphthalene	720	U	110	720
N-Propylbenzene	720	U	93	720
Styrene	720	U	110	720
1,1,1,2-Tetrachloroethane	720	U	120	720
1,1,2,2-Tetrachloroethane	720	U	95	720
Toluene	110	J	100	720
Tetrachloroethene	2300		120	720
Tetrahydrofuran	720	U	240	720
1,2,3-Trichlorobenzene	110	J	110	720
1,2,4-Trichlorobenzene	170	J	130	720
1,1,1-Trichloroethane	370	J	89	720
1,1,2-Trichloroethane	720	U	98	720
Trichloroethene	620	J	93	720
Trichlorofluoromethane	720	U	92	720
1,2,3-Trichloropropane	720	U	190	720
1,1,2-Trichloro-1,2,2-trifluoroethane	720	U	99	720
1,2,4-Trimethylbenzene	720	U	77	720
1,3,5-Trimethylbenzene	720	U	76	720
Vinyl chloride	720	U	96	720
m&p-Xylene	330	J	190	720
o-Xylene	720	U	120	720

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84	49 - 134
4-Bromofluorobenzene	90	36 - 133
Dibromofluoromethane	84	60 - 130
Toluene-d8 (Surr)	87	51 - 137

Rec'd 12/17/08

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-6**

Lab Sample ID: 220-7267-1
Client Matrix: Solid
% Moisture: 43.1

Date Sampled: 11/17/2008 0900
Date Received: 11/18/2008 1815

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/23/2008 2032
Date Prepared: 11/19/2008 0900

Analysis Batch: 220-22322
Prep Batch: 220-22143

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7860.D
Initial Weight/Volume: 3.74 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	47	U	5.5	47
Acrylonitrile	12	U	7.5	12
Benzene	12	U	1.7	12
Bromobenzene	12	UJ	1.3	12
n-Butylbenzene	12	UJ	2.4	12
sec-Butylbenzene	12	UJ	2.8	12
tert-Butylbenzene	12	UJ	1.4	12
Bromodichloromethane	12	U	1.5	12
Bromoform	12	U	4.1	12
Bromomethane	12	U	3.6	12
Methyl Ethyl Ketone	23	U	7.9	23
Chlorobenzene	~~11~~ 100 J	~~J~~	2.1	12
Carbon disulfide	12	U	1.2	12
Carbon tetrachloride	12	U	1.7	12
Chloroethane	12	U	3.0	12
Chloroform	25		1.2	12
Chloromethane	12	U	2.4	12
2-Chlorotoluene	12	UJ	2.0	12
4-Chlorotoluene	12	UJ	2.7	12
Dibromochloromethane	12	U	2.5	12
1,2-Dibromo-3-Chloropropane	23	UJ	3.9	23
1,2-Dibromoethane	12	U	2.9	12
Dibromomethane	12	U	1.6	12
1,2-Dichlorobenzene	68 J		2.6	12
1,3-Dichlorobenzene	12	UJ	2.7	12
1,4-Dichlorobenzene	13 J		2.9	12
trans-1,4-Dichloro-2-butene	23	UJ	3.9	23
Dichlorodifluoromethane	~~42~~ R	~~UJ~~	3.7	12
1,1-Dichloroethane	12	U	1.5	12
1,2-Dichloroethane	12	U	2.5	12
1,1-Dichloroethene	12	U	1.9	12
cis-1,2-Dichloroethene	12	U	2.2	12
trans-1,2-Dichloroethene	12	U	2.3	12
1,2-Dichloropropane	12	U	2.3	12
1,3-Dichloropropane	12	U	1.2	12
2,2-Dichloropropane	12	U	1.8	12
1,1-Dichloropropene	59	U	1.6	59
cis-1,3-Dichloropropene	12	U	1.5	12
trans-1,3-Dichloropropene	12	U	2.5	12
Ethylbenzene	~~9.5~~ 720 J	~~J~~	1.7	12
Hexachlorobutadiene	12	UJ	4.2	12
2-Hexanone	23	U	6.2	23
Isopropylbenzene	12	UJ	1.8	12
4-Isopropyltoluene	12	UJ	2.6	12

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-6**

Lab Sample ID: 220-7267-1
Client Matrix: Solid
% Moisture: 43.1

Date Sampled: 11/17/2008 0900
Date Received: 11/18/2008 1815

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/23/2008 2032
Date Prepared: 11/19/2008 0900

Analysis Batch: 220-22322
Prep Batch: 220-22143

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7860.D
Initial Weight/Volume: 3.74 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~4.1~~ 470	~~J~~	3.3	47
methyl isobutyl ketone	12	U	2.2	12
Methyl tert-butyl ether	12	U	1.7	12
Naphthalene	12	UJ	1.4	12
N-Propylbenzene	12	UJ	1.7	12
Styrene	12	U	3.0	12
1,1,1,2-Tetrachloroethane	12	U	1.6	12
1,1,2,2-Tetrachloroethane	12	UJ	2.4	12
Toluene	2.7	J	1.4	12
Tetrachloroethene	~~720~~ 2300	~~E~~	1.7	12
Tetrahydrofuran	47	U	6.7	47
1,2,3-Trichlorobenzene	12	UJ	2.5	12
1,2,4-Trichlorobenzene	5.3	J	3.0	12
1,1,1-Trichloroethane	59		1.7	12
1,1,2-Trichloroethane	12	U	2.0	12
Trichloroethene	~~87~~ 620 J		2.3	12
Trichlorofluoromethane	12	U	2.2	12
1,2,3-Trichloropropane	12	UJ	3.9	12
1,1,2-Trichloro-1,2,2-trifluoroethane	5.5	J	1.8	12
1,2,4-Trimethylbenzene	7.0	J	3.3	12
1,3,5-Trimethylbenzene	12	UJ	2.3	12
Vinyl chloride	12	U	3.1	12
m&p-Xylene	~~11~~ 330 J	~~J~~	3.6	12
o-Xylene	4.8	J	2.2	12

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	74	49 - 134
4-Bromofluorobenzene	131	36 - 133
Dibromofluoromethane	69	60 - 130
Toluene-d8 (Surr)	106	51 - 137

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: SB-6

Lab Sample ID: 220-7267-1
Client Matrix: Solid

Date Sampled: 11/17/2008 0900
Date Received: 11/18/2008 1815

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 220-22390		Instrument ID:	TJA Trace ICAP
Preparation:	3010A	Prep Batch: 220-22369		Lab File ID:	W112808
Dilution:	1.0	Leachate Batch: 220-22329		Initial Weight/Volume:	10 mL
Date Analyzed:	11/28/2008 1258			Final Weight/Volume:	50 mL
Date Prepared:	11/26/2008 1548				
Date Leached:	11/25/2008 1705				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.20	U	0.022	0.20
Barium		0.30		0.0060	0.025
Cadmium		0.066		0.014	0.050
Chromium		0.16		0.0050	0.050
Lead		0.027	J	0.015	0.050
Selenium		0.15	U	0.016	0.15
Silver		0.030	U	0.0065	0.030

7470A Mercury (CVAA)-TCLP

Method:	7470A	Analysis Batch: 220-22472		Instrument ID:	Perkin Elmer FIMS
Preparation:	7470A	Prep Batch: 220-22427		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-22329		Initial Weight/Volume:	5 mL
Date Analyzed:	12/02/2008 1453			Final Weight/Volume:	50 mL
Date Prepared:	12/01/2008 1516				
Date Leached:	11/25/2008 1705				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.0020	U	0.0010	0.0020

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-6**

Lab Sample ID: 220-7267-1
Client Matrix: Solid
% Moisture: 43.1

Date Sampled: 11/17/2008 0900
Date Received: 11/18/2008 1815

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3541
Dilution: 2.0
Date Analyzed: 11/28/2008 1409
Date Prepared: 11/20/2008 1214

Analysis Batch: 220-22402
Prep Batch: 220-22176

Instrument ID: HP 5890 with dual ECD
Lab File ID: C4733071.d
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	60	U	9.6	60
PCB-1221	120	U	21	120
PCB-1232	60	U	12	60
PCB-1242	880 J		15	60
PCB-1248	60	U	15	60
PCB-1254	420 J		11	60
PCB-1260	350		8.8	60
PCB-1262	60	U	18	60
PCB-1268	60	U	11	60

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	157	25 - 159
Tetrachloro-m-xylene	145	24 - 154

Method: 8082
Preparation: 3541
Dilution: 2.0
Date Analyzed: 11/28/2008 1409
Date Prepared: 11/20/2008 1214

Analysis Batch: 220-22402
Prep Batch: 220-22176

Instrument ID: HP 5890 with dual ECD
Lab File ID: D4733071.d
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	140		25 - 159
Tetrachloro-m-xylene	298	*	24 - 154

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut
Job No.: 220-7267-1
SDG No.: 220-7267
Client Sample ID: SB-6
Lab Sample ID: 220-7267-1
Matrix: Solid
Lab File ID: DX1003110.D
Analysis Method: CT ETPH
Date Received: 11/18/2008 18:15
Extraction Method: 3541
Date Extracted: 12/15/2008 09:08
Sample wt/vol: 15.07(g)
Date Analyzed: 12/16/2008 13:19
Con. Extract Vol.: 1(mL)
Dilution Factor: 5
Injection Volume: 1(uL)
GC Column: ZB-1 ID:
% Moisture: 43.1
GPC Cleanup:(Y/N) N
Analy. Batch No.: 22912
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00352	CT ETPH	1900000	~~H~~ J	100000	100000

CAS NO.	SURROGATE	%REC	LIMITS	Q
84-15-1	o-Terphenyl	158	50-150	*

FORM I CT ETPH

1442pm

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: SB-7

Lab Sample ID: 220-7267-2
Client Matrix: Solid

% Moisture: 4.5

Date Sampled: 11/17/2008 0930
Date Received: 11/18/2008 1815

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/23/2008 1623
Date Prepared: 11/19/2008 0900

Analysis Batch: 220-22322
Prep Batch: 220-22143

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7850.D
Initial Weight/Volume: 4.85 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	22	U	2.5	22
Acrylonitrile	5.4	U	3.4	5.4
Benzene	5.4	U	0.77	5.4
Bromobenzene	5.4	U	0.62	5.4
n-Butylbenzene	5.4	U J	1.1	5.4
sec-Butylbenzene	5.4	U	1.3	5.4
tert-Butylbenzene	5.4	U	0.66	5.4
Bromodichloromethane	5.4	U	0.70	5.4
Bromoform	5.4	U	1.9	5.4
Bromomethane	5.4	U	1.6	5.4
Methyl Ethyl Ketone	11	U	3.6	11
Chlorobenzene	5.4	U	0.95	5.4
Carbon disulfide	5.4	U	0.57	5.4
Carbon tetrachloride	5.4	U	0.77	5.4
Chloroethane	5.4	U	1.4	5.4
Chloroform	5.4	U	0.57	5.4
Chloromethane	5.4	U	1.1	5.4
2-Chlorotoluene	5.4	U	0.91	5.4
4-Chlorotoluene	5.4	U	1.2	5.4
Dibromochloromethane	5.4	U	1.2	5.4
1,2-Dibromo-3-Chloropropane	11	U	1.8	11
1,2-Dibromoethane	5.4	U	1.3	5.4
Dibromomethane	5.4	U	0.72	5.4
1,2-Dichlorobenzene	5.4	U	1.2	5.4
1,3-Dichlorobenzene	5.4	U	1.2	5.4
1,4-Dichlorobenzene	5.4	U	1.3	5.4
trans-1,4-Dichloro-2-butene	11	U	1.8	11
Dichlorodifluoromethane	~~5.4~~ R	~~U~~	1.7	5.4
1,1-Dichloroethane	5.4	U	0.70	5.4
1,2-Dichloroethane	5.4	U	1.2	5.4
1,1-Dichloroethene	5.4	U	0.85	5.4
cis-1,2-Dichloroethene	5.4	U	0.99	5.4
trans-1,2-Dichloroethene	5.4	U	1.0	5.4
1,2-Dichloropropane	5.4	U	1.0	5.4
1,3-Dichloropropane	5.4	U	0.53	5.4
2,2-Dichloropropane	5.4	U	0.83	5.4
1,1-Dichloropropene	27	U	0.71	27
cis-1,3-Dichloropropene	5.4	U	0.67	5.4
trans-1,3-Dichloropropene	5.4	U	1.2	5.4
Ethylbenzene	5.4	U	0.77	5.4
Hexachlorobutadiene	5.4	U	1.9	5.4
2-Hexanone	11	U	2.8	11
Isopropylbenzene	5.4	U	0.81	5.4
4-Isopropyltoluene	5.4	U	1.2	5.4

12/16/08

12/29/08

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-7**

Lab Sample ID: 220-7267-2
Client Matrix: Solid
% Moisture: 4.5

Date Sampled: 11/17/2008 0930
Date Received: 11/18/2008 1815

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/23/2008 1623
Date Prepared: 11/19/2008 0900

Analysis Batch: 220-22322
Prep Batch: 220-22143

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7850.D
Initial Weight/Volume: 4.85 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	22	U	1.5	22
methyl isobutyl ketone	5.4	U	1.0	5.4
Methyl tert-butyl ether	5.4	U	0.80	5.4
Naphthalene	5.4	U	0.64	5.4
N-Propylbenzene	5.4	U	0.80	5.4
Styrene	5.4	U	1.4	5.4
1,1,1,2-Tetrachloroethane	5.4	U	0.71	5.4
1,1,2,2-Tetrachloroethane	5.4	U	1.1	5.4
Toluene	5.4	U	0.64	5.4
Tetrachloroethene	5.4	U	0.80	5.4
Tetrahydrofuran	22	U	3.1	22
1,2,3-Trichlorobenzene	5.4	U	1.1	5.4
1,2,4-Trichlorobenzene	5.4	U	1.4	5.4
1,1,1-Trichloroethane	5.4	U	0.79	5.4
1,1,2-Trichloroethane	5.4	U	0.94	5.4
Trichloroethene	5.4	U	1.1	5.4
Trichlorofluoromethane	5.4	U	1.0	5.4
1,2,3-Trichloropropane	5.4	U	1.8	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	U	0.84	5.4
1,2,4-Trimethylbenzene	5.4	U	1.5	5.4
1,3,5-Trimethylbenzene	5.4	U	1.0	5.4
Vinyl chloride	5.4	U	1.4	5.4
m&p-Xylene	5.4	U	1.7	5.4
o-Xylene	5.4	U	1.0	5.4

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85	49 - 134
4-Bromofluorobenzene	102	36 - 133
Dibromofluoromethane	79	60 - 130
Toluene-d8 (Surr)	102	51 - 137

12/16/08

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: SB-7

Lab Sample ID: 220-7267-2
Client Matrix: Solid

% Moisture: 4.5

Date Sampled: 11/17/2008 0930
Date Received: 11/18/2008 1815

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 11/28/2008 1744
Date Prepared: 11/26/2008 1326

Analysis Batch: 220-22390
Prep Batch: 220-22363

Instrument ID: TJA Trace ICAP
Lab File ID: W112808
Initial Weight/Volume: 1.27 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		10.3	U	1.2	10.3
Arsenic		1.3	J	0.64	5.2
Barium		31.8		0.23	2.1
Beryllium		0.32	J	0.23	2.1
Cadmium		5.2	U	0.54	5.2
Chromium		15.6		0.29	3.1
Copper		51.6		0.62	5.2
Lead		4.2		0.43	5.2
Cobalt		6.9		0.21	2.1
Nickel		39.1		0.54	5.2
Selenium		10.3	U	0.93	10.3
Silver		3.1	U	0.29	3.1
Thallium		7.2	U	3.2	7.2
Vanadium		10.2		0.19	4.1
Zinc		42.9		1.5	20.6

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 11/26/2008 1336
Date Prepared: 11/25/2008 1357

Analysis Batch: 220-22370
Prep Batch: 220-22309

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.016	J	0.015	0.051

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-7**

Lab Sample ID:	220-7267-2			Date Sampled:	11/17/2008 0930
Client Matrix:	Solid	% Moisture:	4.5	Date Received:	11/18/2008 1815

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-22622		Instrument ID:	HP5890 with FID/NPD
Preparation:	3541	Prep Batch: 220-22173		Lab File ID:	C2548014.d
Dilution:	1.0			Initial Weight/Volume:	15.12 g
Date Analyzed:	12/06/2008 2035			Final Weight/Volume:	1 mL
Date Prepared:	11/20/2008 1114			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	48000		12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	93	50 - 150

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

General Chemistry

Client Sample ID: **SB-6**

Lab Sample ID: 220-7267-1
Client Matrix: Solid

Date Sampled: 11/17/2008 0900
Date Received: 11/18/2008 1815

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Ignitability	*neg*		*mm/sec*	2.2	2.2	1.0	1030
	Anly Batch: 220-22436	Date Analyzed		12/01/2008 1618		DryWt Corrected: N	
Temperature	1960		Fahrenheit	1.00	1.00	1.0	1030
	Anly Batch: 220-22436	Date Analyzed		12/01/2008 1618		DryWt Corrected: N	
Cyanide, Reactive	0.50	U √	mg/Kg	0.50	0.50	1.0	9012
	Anly Batch: 220-22179	Date Analyzed		11/20/2008 1315		DryWt Corrected: N	
	Prep Batch: 220-22168	Date Prepared:		11/18/2008 1950			
Sulfide, Reactive	20.0	U √	mg/Kg	20.0	20.0	1.0	9034
	Anly Batch: 220-22195	Date Analyzed		11/20/2008 1405		DryWt Corrected: N	
	Prep Batch: 220-22192	Date Prepared:		11/19/2008 1445			
pH	5.57	HF √	SU	0.100	0.100	1.0	9045C
	Anly Batch: 220-22147	Date Analyzed		11/19/2008 1457		DryWt Corrected: N	
Percent Moisture	43.1		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22159	Date Analyzed		11/19/2008 1558			
Percent Solids	56.9		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22159	Date Analyzed		11/19/2008 1558			

Client Sample ID: **SB-7**

Lab Sample ID: 220-7267-2
Client Matrix: Solid

% Moisture: 4.5

Date Sampled: 11/17/2008 0930
Date Received: 11/18/2008 1815

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	520	U √	ug/Kg	52	520	1.0	9012B
	Anly Batch: 220-22178	Date Analyzed		11/20/2008 1258		DryWt Corrected: Y	
	Prep Batch: 220-22165	Date Prepared:		11/20/2008 0900			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.50		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22159	Date Analyzed		11/19/2008 1558			
Percent Solids	95.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22159	Date Analyzed		11/19/2008 1558			

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-10**

Lab Sample ID: 220-7267-3
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 11/17/2008 1015
Date Received: 11/18/2008 1815

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/23/2008 1648
Date Prepared: 11/19/2008 0900

Analysis Batch: 220-22322
Prep Batch: 220-22143

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7851.D
Initial Weight/Volume: 4.97 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	22	U	2.6	22
Acrylonitrile	5.5	U	3.5	5.5
Benzene	5.5	U	0.78	5.5
Bromobenzene	5.5	U	0.63	5.5
n-Butylbenzene	5.5	U J	1.1	5.5
sec-Butylbenzene	5.5	U	1.3	5.5
tert-Butylbenzene	5.5	U	0.67	5.5
Bromodichloromethane	5.5	U	0.72	5.5
Bromoform	5.5	U	1.9	5.5
Bromomethane	5.5	U	1.7	5.5
Methyl Ethyl Ketone	11	U	3.7	11
Chlorobenzene	5.5	U	0.97	5.5
Carbon disulfide	5.5	U	0.58	5.5
Carbon tetrachloride	5.5	U	0.78	5.5
Chloroethane	5.5	U	1.4	5.5
Chloroform	5.5	U	0.58	5.5
Chloromethane	5.5	U	1.1	5.5
2-Chlorotoluene	5.5	U	0.93	5.5
4-Chlorotoluene	5.5	U	1.3	5.5
Dibromochloromethane	5.5	U	1.2	5.5
1,2-Dibromo-3-Chloropropane	11	U	1.8	11
1,2-Dibromoethane	5.5	U	1.4	5.5
Dibromomethane	5.5	U	0.74	5.5
1,2-Dichlorobenzene	5.5	U	1.2	5.5
1,3-Dichlorobenzene	5.5	U	1.3	5.5
1,4-Dichlorobenzene	5.5	U	1.4	5.5
trans-1,4-Dichloro-2-butene	11	U	1.8	11
Dichlorodifluoromethane	~~5.5~~ R	~~U~~	1.7	5.5
1,1-Dichloroethane	5.5	U	0.72	5.5
1,2-Dichloroethane	5.5	U	1.2	5.5
1,1-Dichloroethene	5.5	U	0.87	5.5
cis-1,2-Dichloroethene	5.5	U	1.0	5.5
trans-1,2-Dichloroethene	5.5	U	1.1	5.5
1,2-Dichloropropane	5.5	U	1.1	5.5
1,3-Dichloropropane	5.5	U	0.54	5.5
2,2-Dichloropropane	5.5	U	0.85	5.5
1,1-Dichloropropene	28	U	0.73	28
cis-1,3-Dichloropropene	5.5	U	0.68	5.5
trans-1,3-Dichloropropene	5.5	U	1.2	5.5
Ethylbenzene	5.5	U	0.78	5.5
Hexachlorobutadiene	5.5	U	2.0	5.5
2-Hexanone	11	U	2.9	11
Isopropylbenzene	5.5	U	0.83	5.5
4-Isopropyltoluene	5.5	U	1.2	5.5

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-10**

Lab Sample ID: 220-7267-3
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 11/17/2008 1015
Date Received: 11/18/2008 1815

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/23/2008 1648
Date Prepared: 11/19/2008 0900

Analysis Batch: 220-22322
Prep Batch: 220-22143

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7851.D
Initial Weight/Volume: 4.97 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	22	U	1.5	22
methyl isobutyl ketone	5.5	U	1.0	5.5
Methyl tert-butyl ether	5.5	U	0.82	5.5
Naphthalene	5.5	U	0.65	5.5
N-Propylbenzene	5.5	U	0.82	5.5
Styrene	5.5	U	1.4	5.5
1,1,1,2-Tetrachloroethane	5.5	U	0.73	5.5
1,1,2,2-Tetrachloroethane	5.5	U	1.1	5.5
Toluene	5.5	U	0.65	5.5
Tetrachloroethene	5.5	U	0.82	5.5
Tetrahydrofuran	22	U	3.2	22
1,2,3-Trichlorobenzene	5.5	U	1.2	5.5
1,2,4-Trichlorobenzene	5.5	U	1.4	5.5
1,1,1-Trichloroethane	5.5	U	0.81	5.5
1,1,2-Trichloroethane	5.5	U	0.96	5.5
Trichloroethene	5.5	U	1.1	5.5
Trichlorofluoromethane	5.5	U	1.0	5.5
1,2,3-Trichloropropane	5.5	U	1.8	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane	5.5	U	0.86	5.5
1,2,4-Trimethylbenzene	5.5	U	1.5	5.5
1,3,5-Trimethylbenzene	5.5	U	1.1	5.5
Vinyl chloride	5.5	U	1.4	5.5
m&p-Xylene	5.5	U	1.7	5.5
o-Xylene	5.5	U	1.0	5.5

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	49 - 134
4-Bromofluorobenzene	103	36 - 133
Dibromofluoromethane	82	60 - 130
Toluene-d8 (Surr)	103	51 - 137

JAM 12/16/08

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: SB-10

Lab Sample ID: 220-7267-3
Client Matrix: Solid
% Moisture: 8.8
Date Sampled: 11/17/2008 1015
Date Received: 11/18/2008 1815

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/01/2008 1345
Date Prepared: 11/26/2008 1326

Analysis Batch: 220-22444
Prep Batch: 220-22363

Instrument ID: TJA Trace ICAP
Lab File ID: W120108
Initial Weight/Volume: 1.37 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		10.0	U	1.2	10.0
Arsenic		1.6	J	0.62	5.0
Barium		39.3		0.22	2.0
Beryllium		0.51	J	0.22	2.0
Cadmium		5.0	U	0.52	5.0
Chromium		9.0		0.28	3.0
Copper		94.2		0.60	5.0
Lead		8.3		0.42	5.0
Cobalt		5.6		0.20	2.0
Nickel		14.5		0.52	5.0
Selenium		0.95	J	0.90	10.0
Silver		3.0	U	0.28	3.0
Thallium		7.0	U	3.1	7.0
Vanadium		28.0		0.18	4.0
Zinc		47.1		1.5	20.0

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 11/26/2008 1337
Date Prepared: 11/25/2008 1357

Analysis Batch: 220-22370
Prep Batch: 220-22309

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.64 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.051	U	0.015	0.051

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: SB-10

Lab Sample ID: 220-7267-3
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 11/17/2008 1015
Date Received: 11/18/2008 1815

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 1.0
Date Analyzed: 12/06/2008 2103
Date Prepared: 11/20/2008 1114

Analysis Batch: 220-22622
Prep Batch: 220-22173

Instrument ID: HP5890 with FID/NPD
Lab File ID: C2548015.d
Initial Weight/Volume: 15.09 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: *PRIMARY*

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	31000		13000	13000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	90	50 - 150

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-12**

Lab Sample ID: 220-7267-4
Client Matrix: Solid

% Moisture: 22.8

Date Sampled: 11/17/2008 1030
Date Received: 11/18/2008 1815

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/23/2008 1713
Date Prepared: 11/19/2008 0900

Analysis Batch: 220-22322
Prep Batch: 220-22143

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7852.D
Initial Weight/Volume: 5.59 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	23	U	2.7	23
Acrylonitrile	5.8	U	3.7	5.8
Benzene	5.8	U	0.82	5.8
Bromobenzene	5.8	U	0.66	5.8
n-Butylbenzene	5.8	U J	1.2	5.8
sec-Butylbenzene	5.8	U	1.4	5.8
tert-Butylbenzene	5.8	U	0.71	5.8
Bromodichloromethane	5.8	U	0.75	5.8
Bromoform	5.8	U	2.0	5.8
Bromomethane	5.8	U	1.8	5.8
Methyl Ethyl Ketone	12	U	3.9	12
Chlorobenzene	5.8	U	1.0	5.8
Carbon disulfide	5.8	U	0.61	5.8
Carbon tetrachloride	5.8	U	0.82	5.8
Chloroethane	5.8	U	1.5	5.8
Chloroform	5.8	U	0.61	5.8
Chloromethane	5.8	U	1.2	5.8
2-Chlorotoluene	5.8	U	0.97	5.8
4-Chlorotoluene	5.8	U	1.3	5.8
Dibromochloromethane	5.8	U	1.2	5.8
1,2-Dibromo-3-Chloropropane	12	U	1.9	12
1,2-Dibromoethane	5.8	U	1.4	5.8
Dibromomethane	5.8	U	0.78	5.8
1,2-Dichlorobenzene	5.8	U	1.3	5.8
1,3-Dichlorobenzene	5.8	U	1.3	5.8
1,4-Dichlorobenzene	5.8	U	1.4	5.8
trans-1,4-Dichloro-2-butene	12	U	1.9	12
Dichlorodifluoromethane	~~5.8~~ R	~~U~~	1.8	5.8
1,1-Dichloroethane	5.8	U	0.75	5.8
1,2-Dichloroethane	5.8	U	1.3	5.8
1,1-Dichloroethene	5.8	U	0.92	5.8
cis-1,2-Dichloroethene	5.8	U	1.1	5.8
trans-1,2-Dichloroethene	5.8	U	1.1	5.8
1,2-Dichloropropane	5.8	U	1.1	5.8
1,3-Dichloropropane	5.8	U	0.57	5.8
2,2-Dichloropropane	5.8	U	0.89	5.8
1,1-Dichloropropene	29	U	0.77	29
cis-1,3-Dichloropropene	5.8	U	0.72	5.8
trans-1,3-Dichloropropene	5.8	U	1.2	5.8
Ethylbenzene	5.8	U	0.82	5.8
Hexachlorobutadiene	5.8	U	2.1	5.8
2-Hexanone	12	U	3.1	12
Isopropylbenzene	5.8	U	0.87	5.8
4-Isopropyltoluene	5.8	U	1.3	5.8

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-12**

Lab Sample ID: 220-7267-4
Client Matrix: Solid
% Moisture: 22.8

Date Sampled: 11/17/2008 1030
Date Received: 11/18/2008 1815

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/23/2008 1713
Date Prepared: 11/19/2008 0900

Analysis Batch: 220-22322
Prep Batch: 220-22143

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7852.D
Initial Weight/Volume: 5.59 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	23	U	1.6	23
methyl isobutyl ketone	5.8	U	1.1	5.8
Methyl tert-butyl ether	5.8	U	0.86	5.8
Naphthalene	5.8	U	0.68	5.8
N-Propylbenzene	5.8	U	0.86	5.8
Styrene	5.8	U	1.5	5.8
1,1,1,2-Tetrachloroethane	5.8	U	0.77	5.8
1,1,2,2-Tetrachloroethane	5.8	U	1.2	5.8
Toluene	5.8	U	0.68	5.8
Tetrachloroethene	8.4		0.86	5.8
Tetrahydrofuran	23	U	3.3	23
1,2,3-Trichlorobenzene	5.8	U	1.2	5.8
1,2,4-Trichlorobenzene	5.8	U	1.5	5.8
1,1,1-Trichloroethane	5.8	U	0.85	5.8
1,1,2-Trichloroethane	5.8	U	1.0	5.8
Trichloroethene	5.8	U	1.1	5.8
Trichlorofluoromethane	5.8	U	1.1	5.8
1,2,3-Trichloropropane	5.8	U	1.9	5.8
1,1,2-Trichloro-1,2,2-trifluoroethane	5.8	U	0.90	5.8
1,2,4-Trimethylbenzene	5.8	U	1.6	5.8
1,3,5-Trimethylbenzene	5.8	U	1.1	5.8
Vinyl chloride	5.8	U	1.5	5.8
m&p-Xylene	5.8	U	1.8	5.8
o-Xylene	5.8	U	1.1	5.8

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85	49 - 134
4-Bromofluorobenzene	109	36 - 133
Dibromofluoromethane	80	60 - 130
Toluene-d8 (Surr)	102	51 - 137

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: SB-12

Lab Sample ID: 220-7267-4
Client Matrix: Solid
% Moisture: 22.8
Date Sampled: 11/17/2008 1030
Date Received: 11/18/2008 1815

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/01/2008 1351
Date Prepared: 11/26/2008 1326

Analysis Batch: 220-22444
Prep Batch: 220-22363

Instrument ID: TJA Trace ICAP
Lab File ID: W120108
Initial Weight/Volume: 1.26 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		12.4	J	1.5	12.9
Arsenic		15.9		0.80	6.4
Barium		267		0.28	2.6
Beryllium		0.43	J	0.28	2.6
Cadmium		30.5		0.67	6.4
Chromium		8000		0.36	3.9
Lead		457		0.54	6.4
Cobalt		107		0.26	2.6
Nickel		4320		0.67	6.4
Selenium		2.5	J	1.2	12.9
Silver		11.9		0.36	3.9
Thallium		9.0	U	4.0	9.0
Vanadium		20.7		0.23	5.1
Zinc		1720		1.9	25.7

Method: 6010B
Preparation: 3050B
Dilution: 5.0
Date Analyzed: 12/01/2008 1721
Date Prepared: 11/26/2008 1326

Analysis Batch: 220-22444
Prep Batch: 220-22363

Instrument ID: TJA Trace ICAP
Lab File ID: W120108
Initial Weight/Volume: 1.26 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Copper		24400		3.9	32.1

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 5.0
Date Analyzed: 11/26/2008 1356
Date Prepared: 11/25/2008 1357

Analysis Batch: 220-22370
Prep Batch: 220-22309

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.66 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		2.3		0.087	0.29

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-12**

Lab Sample ID:	220-7267-4			Date Sampled:	11/17/2008 1030
Client Matrix:	Solid	% Moisture:	22.8	Date Received:	11/18/2008 1815

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-22622		Instrument ID:	HP5890 with FID/NPD
Preparation:	3541	Prep Batch: 220-22173		Lab File ID:	C2548016.d
Dilution:	1.0			Initial Weight/Volume:	15.22 g
Date Analyzed:	12/06/2008 2130			Final Weight/Volume:	1 mL
Date Prepared:	11/20/2008 1114			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	320000		15000	15000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	111	50 - 150

Dam 12/16/08

12/17/08

General Chemistry

Client Sample ID: SB-10

Lab Sample ID: 220-7267-3
Client Matrix: Solid
% Moisture: 8.8
Date Sampled: 11/17/2008 1015
Date Received: 11/18/2008 1815

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	550	U	ug/Kg	55	550	1.0	9012B
	Anly Batch: 220-22178	Date Analyzed		11/20/2008 1300			DryWt Corrected: Y
	Prep Batch: 220-22165	Date Prepared:		11/20/2008 0900			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.83		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22159	Date Analyzed		11/19/2008 1558			
Percent Solids	91.2		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22159	Date Analyzed		11/19/2008 1558			

Client Sample ID: SB-12

Lab Sample ID: 220-7267-4
Client Matrix: Solid
% Moisture: 22.8
Date Sampled: 11/17/2008 1030
Date Received: 11/18/2008 1815

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	650	U	ug/Kg	65	650	1.0	9012B
	Anly Batch: 220-22178	Date Analyzed		11/20/2008 1301			DryWt Corrected: Y
	Prep Batch: 220-22165	Date Prepared:		11/20/2008 0900			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	22.8		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22159	Date Analyzed		11/19/2008 1558			
Percent Solids	77.2		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22159	Date Analyzed		11/19/2008 1558			

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-15**

Lab Sample ID: 220-7267-5
Client Matrix: Solid
% Moisture: 8.6

Date Sampled: 11/17/2008 1100
Date Received: 11/18/2008 1815

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/23/2008 1738
Date Prepared: 11/19/2008 0900

Analysis Batch: 220-22322
Prep Batch: 220-22143

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7853.D
Initial Weight/Volume: 3.03 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	36	U	4.2	36
Acrylonitrile	9.0	U	5.7	9.0
Benzene	9.0	U	1.3	9.0
Bromobenzene	9.0	U	1.0	9.0
n-Butylbenzene	9.0	U J	1.8	9.0
sec-Butylbenzene	9.0	U	2.2	9.0
tert-Butylbenzene	9.0	U	1.1	9.0
Bromodichloromethane	9.0	U	1.2	9.0
Bromoform	9.0	U	3.1	9.0
Bromomethane	9.0	U	2.7	9.0
Methyl Ethyl Ketone	18	U	6.1	18
Chlorobenzene	9.0	U	1.6	9.0
Carbon disulfide	9.0	U	0.96	9.0
Carbon tetrachloride	9.0	U	1.3	9.0
Chloroethane	9.0	U	2.3	9.0
Chloroform	9.0	U	0.96	9.0
Chloromethane	9.0	U	1.8	9.0
2-Chlorotoluene	9.0	U	1.5	9.0
4-Chlorotoluene	9.0	U	2.1	9.0
Dibromochloromethane	9.0	U	1.9	9.0
1,2-Dibromo-3-Chloropropane	18	U	3.0	18
1,2-Dibromoethane	9.0	U	2.2	9.0
Dibromomethane	9.0	U	1.2	9.0
1,2-Dichlorobenzene	9.0	U	2.0	9.0
1,3-Dichlorobenzene	9.0	U	2.1	9.0
1,4-Dichlorobenzene	9.0	U	2.2	9.0
trans-1,4-Dichloro-2-butene	18	U	3.0	18
Dichlorodifluoromethane	~~9.0~~ R	~~U~~	2.8	9.0
1,1-Dichloroethane	9.0	U	1.2	9.0
1,2-Dichloroethane	9.0	U	1.9	9.0
1,1-Dichloroethene	9.0	U	1.4	9.0
cis-1,2-Dichloroethene	9.0	U	1.7	9.0
trans-1,2-Dichloroethene	9.0	U	1.7	9.0
1,2-Dichloropropane	9.0	U	1.8	9.0
1,3-Dichloropropane	9.0	U	0.88	9.0
2,2-Dichloropropane	9.0	U	1.4	9.0
1,1-Dichloropropene	45	U	1.2	45
cis-1,3-Dichloropropene	9.0	U	1.1	9.0
trans-1,3-Dichloropropene	9.0	U	1.9	9.0
Ethylbenzene	9.0	U	1.3	9.0
Hexachlorobutadiene	9.0	U	3.2	9.0
2-Hexanone	18	U	4.8	18
Isopropylbenzene	9.0	U	1.4	9.0
4-Isopropyltoluene	9.0	U	2.0	9.0

12/10/08

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-15**

Lab Sample ID: 220-7267-5
Client Matrix: Solid
% Moisture: 8.6

Date Sampled: 11/17/2008 1100
Date Received: 11/18/2008 1815

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/23/2008 1738
Date Prepared: 11/19/2008 0900

Analysis Batch: 220-22322
Prep Batch: 220-22143

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7853.D
Initial Weight/Volume: 3.03 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	36	U	2.5	36
methyl isobutyl ketone	9.0	U	1.7	9.0
Methyl tert-butyl ether	9.0	U	1.3	9.0
Naphthalene	9.0	U	1.1	9.0
N-Propylbenzene	9.0	U	1.3	9.0
Styrene	9.0	U	2.3	9.0
1,1,1,2-Tetrachloroethane	9.0	U	1.2	9.0
1,1,2,2-Tetrachloroethane	9.0	U	1.9	9.0
Toluene	1.4	J	1.1	9.0
Tetrachloroethene	2.8	J	1.3	9.0
Tetrahydrofuran	36	U	5.2	36
1,2,3-Trichlorobenzene	9.0	U	1.9	9.0
1,2,4-Trichlorobenzene	9.0	U	2.3	9.0
1,1,1-Trichloroethane	9.0	U	1.3	9.0
1,1,2-Trichloroethane	9.0	U	1.6	9.0
Trichloroethene	9.0	U	1.8	9.0
Trichlorofluoromethane	9.0	U	1.7	9.0
1,2,3-Trichloropropane	9.0	U	3.0	9.0
1,1,2-Trichloro-1,2,2-trifluoroethane	9.0	U	1.4	9.0
1,2,4-Trimethylbenzene	9.0	U	2.5	9.0
1,3,5-Trimethylbenzene	9.0	U	1.7	9.0
Vinyl chloride	9.0	U	2.3	9.0
m&p-Xylene	9.0	U	2.8	9.0
o-Xylene	9.0	U	1.7	9.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80	49 - 134
4-Bromofluorobenzene	89	36 - 133
Dibromofluoromethane	74	60 - 130
Toluene-d8 (Surr)	92	51 - 137

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: SB-15

Lab Sample ID: 220-7267-5
Client Matrix: Solid
% Moisture: 8.6
Date Sampled: 11/17/2008 1100
Date Received: 11/18/2008 1815

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/01/2008 1356
Date Prepared: 11/26/2008 1326

Analysis Batch: 220-22444
Prep Batch: 220-22363

Instrument ID: TJA Trace ICAP
Lab File ID: W120108
Initial Weight/Volume: 1.23 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		11.1	U	1.3	11.1
Arsenic		2.4	J	0.69	5.6
Barium		64.9		0.24	2.2
Beryllium		0.55	J	0.24	2.2
Cadmium		5.6	U	0.58	5.6
Chromium		303		0.31	3.3
Copper		580		0.67	5.6
Lead		19.1		0.47	5.6
Cobalt		6.3		0.22	2.2
Nickel		100		0.58	5.6
Selenium		11.1	U	1.0	11.1
Silver		0.60	J	0.31	3.3
Thallium		7.8	U	3.4	7.8
Vanadium		21.0		0.20	4.4
Zinc		122		1.7	22.2

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 11/26/2008 1339
Date Prepared: 11/25/2008 1357

Analysis Batch: 220-22370
Prep Batch: 220-22309

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.19		0.016	0.055

12/16/08
10/29/08

Client: *GEI Consultants, Inc.*

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-15**

Lab Sample ID:	220-7267-5			Date Sampled:	11/17/2008 1100
Client Matrix:	Solid	% Moisture:	8.6	Date Received:	11/18/2008 1815

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-22622		Instrument ID:	HP5890 with FID/NPD
Preparation:	3541	Prep Batch: 220-22173		Lab File ID:	C2548017.d
Dilution:	1.0			Initial Weight/Volume:	15.49 g
Date Analyzed:	12/06/2008 2157			Final Weight/Volume:	1 mL
Date Prepared:	11/20/2008 1114			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	170000		13000	13000

Surrogate	%Rec	Acceptance Limits
o-Terpheny!	98	50 - 150

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-17**

Lab Sample ID: 220-7267-6
Client Matrix: Solid

% Moisture: 36.5

Date Sampled: 11/17/2008 1130
Date Received: 11/18/2008 1815

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/23/2008 2057
Date Prepared: 11/19/2008 0900

Analysis Batch: 220-22322
Prep Batch: 220-22143

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7861.D
Initial Weight/Volume: 3.55 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	44	U	5.2	44
Acrylonitrile	11	U	7.1	11
Benzene	11	U	1.6	11
Bromobenzene	11	U	1.3	11
n-Butylbenzene	11	U J	2.3	11
sec-Butylbenzene	11	U	2.7	11
tert-Butylbenzene	11	U	1.4	11
Bromodichloromethane	11	U	1.4	11
Bromoform	11	U	3.8	11
Bromomethane	11	U	3.4	11
Methyl Ethyl Ketone	22	U	7.5	22
Chlorobenzene	11	U	2.0	11
Carbon disulfide	11	U	1.2	11
Carbon tetrachloride	11	U	1.6	11
Chloroethane	11	U	2.8	11
Chloroform	11	U	1.2	11
Chloromethane	11	U	2.2	11
2-Chlorotoluene	11	U	1.9	11
4-Chlorotoluene	11	U	2.5	11
Dibromochloromethane	11	U	2.4	11
1,2-Dibromo-3-Chloropropane	22	U	3.7	22
1,2-Dibromoethane	11	U	2.8	11
Dibromomethane	11	U	1.5	11
1,2-Dichlorobenzene	2.6	J	2.4	11
1,3-Dichlorobenzene	11	U	2.5	11
1,4-Dichlorobenzene	11	U	2.7	11
trans-1,4-Dichloro-2-butene	22	U	3.7	22
Dichlorodifluoromethane	~~11~~ R	~~U~~	3.5	11
1,1-Dichloroethane	11	U	1.4	11
1,2-Dichloroethane	11	U	2.4	11
1,1-Dichloroethene	11	U	1.8	11
cis-1,2-Dichloroethene	11	U	2.0	11
trans-1,2-Dichloroethene	11	U	2.1	11
1,2-Dichloropropane	11	U	2.2	11
1,3-Dichloropropane	11	U	1.1	11
2,2-Dichloropropane	11	U	1.7	11
1,1-Dichloropropene	55	U	1.5	55
cis-1,3-Dichloropropene	11	U	1.4	11
trans-1,3-Dichloropropene	11	U	2.4	11
Ethylbenzene	11	U	1.6	11
Hexachlorobutadiene	11	U	3.9	11
2-Hexanone	22	U	5.9	22
Isopropylbenzene	11	U	1.7	11
4-Isopropyltoluene	11	U	2.5	11

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: SB-17

Lab Sample ID: 220-7267-6
Client Matrix: Solid
% Moisture: 36.5

Date Sampled: 11/17/2008 1130
Date Received: 11/18/2008 1815

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/23/2008 2057
Date Prepared: 11/19/2008 0900

Analysis Batch: 220-22322
Prep Batch: 220-22143

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7861.D
Initial Weight/Volume: 3.55 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	44	U	3.1	44
methyl isobutyl ketone	11	U	2.1	11
Methyl tert-butyl ether	11	U	1.6	11
Naphthalene	11	U	1.3	11
N-Propylbenzene	11	U	1.6	11
Styrene	11	U	2.9	11
1,1,1,2-Tetrachloroethane	11	U	1.5	11
1,1,2,2-Tetrachloroethane	11	U	2.3	11
Toluene	2.0	J	1.3	11
Tetrachloroethene	48		1.6	11
Tetrahydrofuran	44	U	6.4	44
1,2,3-Trichlorobenzene	11	U	2.4	11
1,2,4-Trichlorobenzene	11	U	2.8	11
1,1,1-Trichloroethane	11	U	1.6	11
1,1,2-Trichloroethane	11	U	1.9	11
Trichloroethene	2.6	J	2.2	11
Trichlorofluoromethane	11	U	2.1	11
1,2,3-Trichloropropane	11	U	3.6	11
1,1,2-Trichloro-1,2,2-trifluoroethane	11	U	1.7	11
1,2,4-Trimethylbenzene	11	U	3.1	11
1,3,5-Trimethylbenzene	11	U	2.1	11
Vinyl chloride	11	U	2.9	11
m&p-Xylene	11	U	3.4	11
o-Xylene	11	U	2.1	11

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80	49 - 134
4-Bromofluorobenzene	101	36 - 133
Dibromofluoromethane	75	60 - 130
Toluene-d8 (Surr)	97	51 - 137

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: SB-17

Lab Sample ID: 220-7267-6
Client Matrix: Solid
% Moisture: 36.5
Date Sampled: 11/17/2008 1130
Date Received: 11/18/2008 1815

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/01/2008 1402
Date Prepared: 11/26/2008 1326

Analysis Batch: 220-22444
Prep Batch: 220-22363

Instrument ID: TJA Trace ICAP
Lab File ID: W120108
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		2.8	J	2.2	18.1
Arsenic		6.2	J	1.1	9.0
Barium		155		0.40	3.6
Beryllium		1.2	J	0.40	3.6
Cadmium		8.0	J	0.94	9.0
Chromium		2150		0.51	5.4
Copper		3800		1.1	9.0
Lead		169		0.76	9.0
Cobalt		18.8		0.36	3.6
Nickel		921		0.94	9.0
Selenium		1.7	J	1.6	18.1
Silver		2.2	J	0.51	5.4
Thallium		12.6	U	5.6	12.6
Vanadium		42.3		0.33	7.2
Zinc		427		2.7	36.1

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 10
Date Analyzed: 11/26/2008 1358
Date Prepared: 11/25/2008 1357

Analysis Batch: 220-22370
Prep Batch: 220-22309

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		7.1		0.23	0.76

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-17**

Lab Sample ID:	220-7267-6			Date Sampled:	11/17/2008 1130
Client Matrix:	Solid	% Moisture:	36.5	Date Received:	11/18/2008 1815

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-22622		Instrument ID:	HP5890 with FID/NPD
Preparation:	3541	Prep Batch: 220-22173		Lab File ID:	C2548018.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Date Analyzed:	12/06/2008 2224			Final Weight/Volume:	1 mL
Date Prepared:	11/20/2008 1114			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	370000		19000	19000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	116	50 - 150

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

General Chemistry

Client Sample ID: SB-15

Lab Sample ID: 220-7267-5
Client Matrix: Solid
% Moisture: 8.6
Date Sampled: 11/17/2008 1100
Date Received: 11/18/2008 1815

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	110	J	ug/Kg	55	550	1.0	9012B
	Anly Batch: 220-22178		Date Analyzed	11/20/2008 1302			DryWt Corrected: Y
	Prep Batch: 220-22165		Date Prepared:	11/20/2008 0900			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	*8.60*		%	*0.100*	*0.100*	*1.0*	*PercentMoisture*
	Anly Batch: 220-22159		Date Analyzed	11/19/2008 1558			
Percent Solids	91.4		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22159		Date Analyzed	11/19/2008 1558			

Client Sample ID: SB-17

Lab Sample ID: 220-7267-6
Client Matrix: Solid
% Moisture: 36.5
Date Sampled: 11/17/2008 1130
Date Received: 11/18/2008 1815

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	49700		ug/Kg	790	7900	10	9012B
	Anly Batch: 220-22178		Date Analyzed	11/20/2008 1317			DryWt Corrected: Y
	Prep Batch: 220-22165		Date Prepared:	11/20/2008 0900			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	36.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22159		Date Analyzed	11/19/2008 1558			
Percent Solids	63.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22159		Date Analyzed	11/19/2008 1558			

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: **SB-19**

Lab Sample ID: 220-7267-7
Client Matrix: Solid

% Moisture: 30.0

Date Sampled: 11/17/2008 1200
Date Received: 11/18/2008 1815

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/23/2008 1828
Date Prepared: 11/19/2008 0900

Analysis Batch: 220-22322
Prep Batch: 220-22143

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7855.D
Initial Weight/Volume: 1.92 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	74	U	8.7	74
Acrylonitrile	19	U	12	19
Benzene	19	U	2.6	19
Bromobenzene	19	U	2.1	19
n-Butylbenzene	19	U JV	3.8	19
sec-Butylbenzene	19	U	4.5	19
tert-Butylbenzene	19	U	2.3	19
Bromodichloromethane	19	U	2.4	19
Bromoform	19	U	6.4	19
Bromomethane	19	U	5.7	19
Methyl Ethyl Ketone	37	U	12	37
Chlorobenzene	19	U	3.3	19
Carbon disulfide	19	U	2.0	19
Carbon tetrachloride	19	U	2.6	19
Chloroethane	19	U	4.7	19
Chloroform	36		2.0	19
Chloromethane	19	U	3.8	19
2-Chlorotoluene	19	U	3.1	19
4-Chlorotoluene	19	U	4.2	19
Dibromochloromethane	19	U	4.0	19
1,2-Dibromo-3-Chloropropane	37	U	6.1	37
1,2-Dibromoethane	19	U	4.6	19
Dibromomethane	19	U	2.5	19
1,2-Dichlorobenzene	10	J	4.1	19
1,3-Dichlorobenzene	19	U	4.2	19
1,4-Dichlorobenzene	19	U	4.6	19
trans-1,4-Dichloro-2-butene	37	U	6.2	37
Dichlorodifluoromethane	~~19~~ R	~~U~~	5.6	19
1,1-Dichloroethane	19	U	2.4	19
1,2-Dichloroethane	19	U	4.0	19
1,1-Dichloroethene	19	U	2.9	19
cis-1,2-Dichloroethene	19	U	3.4	19
trans-1,2-Dichloroethene	19	U	3.6	19
1,2-Dichloropropane	19	U	3.6	19
1,3-Dichloropropane	19	U	1.8	19
2,2-Dichloropropane	19	U	2.9	19
1,1-Dichloropropene	93	U	2.5	93
cis-1,3-Dichloropropene	19	U	2.3	19
trans-1,3-Dichloropropene	19	U	4.0	19
Ethylbenzene	19	U	2.6	19
Hexachlorobutadiene	19	U	6.6	19
2-Hexanone	37	U	9.8	37
Isopropylbenzene	19	U	2.8	19
4-Isopropyltoluene	19	U	4.1	19

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: SB-19

Lab Sample ID: 220-7267-7
Client Matrix: *Solid*

% Moisture: 30.0

Date Sampled: 11/17/2008 1200
Date Received: 11/18/2008 1815

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 11/23/2008 1828
Date Prepared: 11/19/2008 0900

Analysis Batch: 220-22322
Prep Batch: 220-22143

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O7855.D
Initial Weight/Volume: 1.92 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	74	U	5.2	74
methyl isobutyl ketone	19	U	3.5	19
Methyl tert-butyl ether	19	U	2.8	19
Naphthalene	19	U	2.2	19
N-Propylbenzene	19	U	2.8	19
Styrene	19	U	4.8	19
1,1,1,2-Tetrachloroethane	19	U	2.5	19
1,1,2,2-Tetrachloroethane	19	U	3.9	19
Toluene	19	U	2.2	19
Tetrachloroethene	200		2.8	19
Tetrahydrofuran	74	U	11	74
1,2,3-Trichlorobenzene	19	U	3.9	19
1,2,4-Trichlorobenzene	19	U	4.7	19
1,1,1-Trichloroethane	19	U	2.7	19
1,1,2-Trichloroethane	19	U	3.2	19
Trichloroethene	12	J	3.7	19
Trichlorofluoromethane	19	U	3.5	19
1,2,3-Trichloropropane	19	U	6.1	19
1,1,2-Trichloro-1,2,2-trifluoroethane	19	U	2.9	19
1,2,4-Trimethylbenzene	19	U	5.2	19
1,3,5-Trimethylbenzene	19	U	3.6	19
Vinyl chloride	19	U	4.8	19
m&p-Xylene	19	U	5.8	19
o-Xylene	19	U	3.5	19

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81	49 - 134
4-Bromofluorobenzene	102	36 - 133
Dibromofluoromethane	73	60 - 130
Toluene-d8 (Surr)	97	51 - 137

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: SB-19

Lab Sample ID: 220-7267-7
Client Matrix: Solid

Date Sampled: 11/17/2008 1200
Date Received: 11/18/2008 1815

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 220-22390		Instrument ID:	TJA Trace ICAP
Preparation:	3010A	Prep Batch: 220-22369		Lab File ID:	W112808
Dilution:	1.0	Leachate Batch: 220-22329		Initial Weight/Volume:	10 mL
Date Analyzed:	11/28/2008 1303			Final Weight/Volume:	50 mL
Date Prepared:	11/26/2008 1548				
Date Leached:	11/25/2008 1705				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.20	U	0.022	0.20
Barium		0.096		0.0060	0.025
Cadmium		0.13		0.014	0.050
Chromium		0.25		0.0050	0.050
Lead		0.017	J	0.015	0.050
Selenium		0.15	U	0.016	0.15
Silver		0.030	U	0.0065	0.030

7470A Mercury (CVAA)-TCLP

Method:	7470A	Analysis Batch: 220-22472		Instrument ID:	Perkin Elmer FIMS
Preparation:	7470A	Prep Batch: 220-22427		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-22329		Initial Weight/Volume:	5 mL
Date Analyzed:	12/02/2008 1454			Final Weight/Volume:	50 mL
Date Prepared:	12/01/2008 1516				
Date Leached:	11/25/2008 1705				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.0020	U	0.0010	0.0020

12/12/08

12/29/08

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

Client Sample ID: SB-19

Lab Sample ID: 220-7267-7
Client Matrix: Solid
% Moisture: 30.0

Date Sampled: 11/17/2008 1200
Date Received: 11/18/2008 1815

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3541
Dilution: 5.0
Date Analyzed: 11/28/2008 1427
Date Prepared: 11/20/2008 1214

Analysis Batch: 220-22402
Prep Batch: 220-22176

Instrument ID: HP 5890 with dual ECD
Lab File ID: C4733072.d
Initial Weight/Volume: 15.11 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)		Qualifier	MDL	RL
PCB-1016	120		U	19	120
PCB-1221	230		U	42	230
PCB-1232	120		U	24	120
PCB-1242	790	J		30	120
PCB-1248	120	J	U	30	120
PCB-1254	540			22	120
PCB-1260	210	J		18	120
PCB-1262	120		U	36	120
PCB-1268	120		U	23	120

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	93		25 - 159
Tetrachloro-m-xylene	177	*	24 - 154

Method: 8082
Preparation: 3541
Dilution: 5.0
Date Analyzed: 11/28/2008 1427
Date Prepared: 11/20/2008 1214

Analysis Batch: 220-22402
Prep Batch: 220-22176

Instrument ID: HP 5890 with dual ECD
Lab File ID: D4733072.d
Initial Weight/Volume: 15.11 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	966	*	25 - 159
Tetrachloro-m-xylene	157	*	24 - 154

Client: GEI Consultants, Inc.

Job Number: 220-7267-1
Sdg Number: 220-7267

General Chemistry

Client Sample ID: SB-19

Lab Sample ID: 220-7267-7
Client Matrix: Solid

Date Sampled: 11/17/2008 1200
Date Received: 11/18/2008 1815

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Ignitability	neg		mm/sec	2.2	2.2	1.0	1030
	Anly Batch: 220-22436		Date Analyzed	12/01/2008 1622			DryWt Corrected: N
Temperature	1960		Fahrenheit	1.00	1.00	1.0	1030
	Anly Batch: 220-22436		Date Analyzed	12/01/2008 1622			DryWt Corrected: N
Cyanide, Reactive	0.50	U J	mg/Kg	0.50	0.50	1.0	9012
	Anly Batch: 220-22179		Date Analyzed	11/20/2008 1316			DryWt Corrected: N
	Prep Batch: 220-22168		Date Prepared:	11/18/2008 1950			
Sulfide, Reactive	20.0	U J	mg/Kg	20.0	20.0	1.0	9034
	Anly Batch: 220-22195		Date Analyzed	11/20/2008 1412			DryWt Corrected: N
	Prep Batch: 220-22192		Date Prepared:	11/19/2008 1445			
pH	5.97	HF J	SU	0.100	0.100	1.0	9045C
	Anly Batch: 220-22147		Date Analyzed	11/19/2008 1506			DryWt Corrected: N
Percent Moisture	30.0		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22159		Date Analyzed	11/19/2008 1558			
Percent Solids	70.0		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22159		Date Analyzed	11/19/2008 1558			

12/16/08

12/30/08

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut
Job No.: 220-7267-1
SDG No.: 220-7267
Client Sample ID: SB-19
Lab Sample ID: 220-7267-7
Matrix: Solid
Lab File ID: DX1003111.D
Analysis Method: CT ETPH
Date Received: 11/18/2008 18:15
Extraction Method: 3541
Date Extracted: 12/15/2008 09:08
Sample wt/vol: 15.41(g)
Date Analyzed: 12/16/2008 13:40
Con. Extract Vol.: 1(mL)
Dilution Factor: 5
Injection Volume: 1(uL)
GC Column: ZB-1 ID:
% Moisture: 30.0
GPC Cleanup:(Y/N) N
Analy. Batch No.: 22912
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
STL00352	CT ETPH	1400000	A J	83000	83000

CAS NO.	SURROGATE	%REC	LIMITS	Q
84-15-1	o-Terphenyl	166	50-150	*

FORM I CT ETPH

12-22-08

Revised results LAM 6/25/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-21 (8-10)**

Lab Sample ID: 220-7408-1
Client Matrix: Solid

% Moisture: 20.8

Date Sampled: 12/01/2008 0850
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/08/2008 1613
Date Prepared: 12/05/2008 1715

Analysis Batch: 220-22681
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 08065.D
Initial Weight/Volume: 5.58 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	660 J	~~E H~~	2.6	23
Acrylonitrile	~~5.7~~ R	U H	3.6	5.7
Benzene	22 J	H	0.80	5.7
Bromobenzene	~~5.7~~ R	U H	0.64	5.7
n-Butylbenzene	~~5.7~~ R	U H	1.2	5.7
sec-Butylbenzene	28 J	H	1.4	5.7
tert-Butylbenzene	~~5.7~~ R	U H	0.69	5.7
Bromodichloromethane	5.7	U H	0.73	5.7
Bromoform	5.7	U H	2.0	5.7
Bromomethane	~~5.7~~ R	U H	1.7	5.7
Methyl Ethyl Ketone	230 J	~~E H~~	3.8	11
Chlorobenzene	~~5.7~~ R	U H	1.0	5.7
Carbon disulfide	10 J	H	0.60	5.7
Carbon tetrachloride	~~5.7~~ R	U H	0.80	5.7
Chloroethane	5.7	U H	1.4	5.7
Chloroform	5.7	U H	0.60	5.7
Chloromethane	5.7	U H	1.1	5.7
2-Chlorotoluene	5.7	U H	0.95	5.7
4-Chlorotoluene	5.7	U H	1.3	5.7
Dibromochloromethane	5.7	U H	1.2	5.7
1,2-Dibromo-3-Chloropropane	11	U H	1.9	11
1,2-Dibromoethane	5.7	U H	1.4	5.7
Dibromomethane	~~5.7~~ R	U H	0.76	5.7
1,2-Dichlorobenzene	34 J	H	1.2	5.7
1,3-Dichlorobenzene	~~5.7~~ R	U H	1.3	5.7
1,4-Dichlorobenzene	14 J	H	1.4	5.7
trans-1,4-Dichloro-2-butene	~~11~~ R	U H	1.9	11
Dichlorodifluoromethane	5.7	U H	1.8	5.7
1,1-Dichloroethane	5.7	U H	0.73	5.7
1,2-Dichloroethane	5.7	U H	1.2	5.7
1,1-Dichloroethene	5.7	U H	0.89	5.7
cis-1,2-Dichloroethene	5.7	U H	1.0	5.7
trans-1,2-Dichloroethene	5.7	U H	1.1	5.7
1,2-Dichloropropane	5.7	U H	1.1	5.7
1,3-Dichloropropane	5.7	U H	0.55	5.7
2,2-Dichloropropane	5.7	U H	0.87	5.7
1,1-Dichloropropene	28	U H	0.75	28
cis-1,3-Dichloropropene	5.7	U H	0.70	5.7
trans-1,3-Dichloropropene	~~5.7~~ R	U H	1.2	5.7
Ethylbenzene	20 J	H	0.80	5.7
Hexachlorobutadiene	~~5.7~~ R	U H	2.0	5.7
2-Hexanone	~~11~~ R	U H	3.0	11
Isopropylbenzene	11 J	H	0.85	5.7
4-Isopropyltoluene	42 J	H	1.3	5.7

report only circled results

JAM 01/07/09

1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-21 (8-10)

Lab Sample ID: 220-7408-1
Client Matrix: Solid
% Moisture: 20.8

Date Sampled: 12/01/2008 0850
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/08/2008 1613
Date Prepared: 12/05/2008 1715

Analysis Batch: 220-22681
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8065.D
Initial Weight/Volume: 5.58 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)		Qualifier	MDL	RL
Methylene Chloride	~~29~~	R	U H	1.6	23
methyl isobutyl ketone	~~5.7~~	R	U H	1.1	5.7
Methyl tert-butyl ether	~~5.7~~	R	U H	0.84	5.7
Naphthalene	45	J	H	0.67	5.7
N-Propylbenzene	24	J	H	0.84	5.7
Styrene	~~5.7~~	R	U H	1.5	5.7
1,1,1,2-Tetrachloroethane	~~5.7~~	R	U H	0.75	5.7
1,1,2,2-Tetrachloroethane	~~5.7~~	R	U H	1.2	5.7
Toluene	53	J	H	0.67	5.7
Tetrachloroethene	1.7	J	J H	0.84	5.7
Tetrahydrofuran	~~23~~	R	U H	3.2	23
1,2,3-Trichlorobenzene	5.7		U H	1.2	5.7
1,2,4-Trichlorobenzene	5.7		U H	1.4	5.7
1,1,1-Trichloroethane	5.7		U H	0.83	5.7
1,1,2-Trichloroethane	5.7		U H	0.98	5.7
Trichloroethene	5.7		U H	1.1	5.7
Trichlorofluoromethane	5.7		U H	1.1	5.7
1,2,3-Trichloropropane	5.7		U H	1.9	5.7
1,1,2-Trichloro-1,2,2-trifluoroethane	~~5.7~~	R	U H	0.88	5.7
1,2,4-Trimethylbenzene	110	J	H	1.6	5.7
1,3,5-Trimethylbenzene	54	J	H	1.1	5.7
Vinyl chloride	~~5.7~~	R	U H	1.5	5.7
m&p-Xylene	22	J	H	1.8	5.7
o-Xylene	14	J	H	1.1	5.7

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	29	*	49 - 134
4-Bromofluorobenzene	263	*	36 - 133
Dibromofluoromethane	4	*	60 - 130
Toluene-d8 (Surr)	12	*	51 - 137

1/28/09 1/7/09 JC 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-21 (8-10)**

Lab Sample ID: 220-7408-1
Client Matrix: Solid

% Moisture: 20.6

Date Sampled: 12/01/2008 0850
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 12/10/2008 1301
Date Prepared: 12/05/2008 1751

Analysis Batch: 220-22855
Prep Batch: 220-22599

Run Type: DL

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L1641.D
Initial Weight/Volume: 5.18 g
Final Weight/Volume: 6.077 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~930~~ 660 J	~~UH~~	180	930
Acrylonitrile	370 UJ	UH	96	370
Benzene	61 J	JH	49	370
Bromobenzene	370 UJ	UH	44	370
n-Butylbenzene	370 UJ	UH	64	370
sec-Butylbenzene	~~370~~ 28 J	~~UH~~	56	370
tert-Butylbenzene	370 UJ	UH	52	370
Bromodichloromethane	370	UH	51	370
Bromoform	370	UH	59	370
Bromomethane	370 UJ	UH	68	370
Methyl Ethyl Ketone	~~370~~ 230 J	~~UH~~	81	370
Chlorobenzene	370 UJ	UH	46	370
Carbon disulfide	~~370~~ 10 J	~~UH~~	49	370
Carbon tetrachloride	370 UJ	UH	57	370
Chloroethane	370	UH	59	370
Chloroform	370	UH	46	370
Chloromethane	370	UH	47	370
2-Chlorotoluene	370	UH	120	370
4-Chlorotoluene	370	UH	52	370
Dibromochloromethane	370	UH	58	370
1,2-Dibromo-3-Chloropropane	370	UH	43	370
1,2-Dibromoethane	370	UH	37	370
Dibromomethane	370 UJ	UH	53	370
1,2-Dichlorobenzene	120 J	JH	44	370
1,3-Dichlorobenzene	370 UJ	UH	44	370
1,4-Dichlorobenzene	~~370~~ 14 J	~~UH~~	46	370
trans-1,4-Dichloro-2-butene	370 UJ	UH	180	370
Dichlorodifluoromethane	370	UH	58	370
1,1-Dichloroethane	370	UH	53	370
1,2-Dichloroethane	370	UH	44	370
1,1-Dichloroethene	370	UH	56	370
cis-1,2-Dichloroethene	370	UH	44	370
trans-1,2-Dichloroethene	370	UH	39	370
1,2-Dichloropropane	370	UH	38	370
1,3-Dichloropropane	370	UH	49	370
2,2-Dichloropropane	370	UH	41	370
1,1-Dichloropropene	370	UH	52	370
cis-1,3-Dichloropropene	370	UH	45	370
trans-1,3-Dichloropropene	370 UJ	UH	46	370
Ethylbenzene	69 J	JH	38	370
Hexachlorobutadiene	370 UJ	UH	74	370
2-Hexanone	370 UJ	UH	96	370
Isopropylbenzene	~~370~~ 11 J	~~UH~~	53	370
4-Isopropyltoluene	150 J	JH	45	370

JMM 1/7/09

12/28/09 JC 1/6/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-21 (8-10)

Lab Sample ID: 220-7408-1
Client Matrix: Solid
% Moisture: 20.8

Date Sampled: 12/01/2008 0850
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 12/10/2008 1301
Date Prepared: 12/05/2008 1751

Analysis Batch: 220-22855
Prep Batch: 220-22599
Run Type: DL

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L1641.D
Initial Weight/Volume: 5.18 g
Final Weight/Volume: 6.077 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~84~~ 370UJ	~~JHB~~	60	370
methyl isobutyl ketone	370 UJ	U H	61	370
Methyl tert-butyl ether	370 UJ	U H	37	370
Naphthalene	~~370~~ 45 J	~~U H~~	57	370
N-Propylbenzene	~~370~~ 24 J	~~U H~~	48	370
Styrene	370 UJ	U H	59	370
1,1,1,2-Tetrachloroethane	370 UJ	U H	64	370
1,1,2,2-Tetrachloroethane	370 UJ	U H	49	370
Toluene	120 J	~~J H~~	53	370
Tetrachloroethene	~~370~~ ~~17 J~~ 370UJ	~~U H~~	61	370
Tetrahydrofuran	370 UJ	U H	130	370
1,2,3-Trichlorobenzene	370	U H	56	370
1,2,4-Trichlorobenzene	370	U H	65	370
1,1,1-Trichloroethane	370	U H	46	370
1,1,2-Trichloroethane	370	U H	50	370
Trichloroethene	370	U H	48	370
Trichlorofluoromethane	370	U H	47	370
1,2,3-Trichloropropane	370	U H	96	370
1,1,2-Trichloro-1,2,2-trifluoroethane	370 UJ	U H	51	370
1,2,4-Trimethylbenzene	350 J	~~J H~~	40	370
1,3,5-Trimethylbenzene	150 J	~~J H~~	39	370
Vinyl chloride	370 UJ	U H	50	370
m&p-Xylene	~~370~~ 22 J	~~U H~~	96	370
o-Xylene	370 14 J	~~U H~~	61	370

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	49 - 134
4-Bromofluorobenzene	107	36 - 133
Dibromofluoromethane	91	60 - 130
Toluene-d8 (Surr)	92	51 - 137

6/8/09 JCM 1/7/09 JC 1/14/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-21 (8-10)

Lab Sample ID: 220-7408-1
Client Matrix: Solid
% Moisture: 20.8
Date Sampled: 12/01/2008 0850
Date Received: 12/05/2008 1600

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/11/2008 1505
Date Prepared: 12/08/2008 1220

Analysis Batch: 220-22775
Prep Batch: 220-22623

Instrument ID: TJA Trace ICAP
Lab File ID: W121108
Initial Weight/Volume: 1.12 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		~~2.2~~ 14.1 U	~~J~~	1.7	14.1
Arsenic		18.7 J		0.87	7.0
Barium		95.9		0.31	2.8
Beryllium		~~0.58~~ 2.8 U	~~J~~	0.31	2.8
Cadmium		7.0	U	0.73	7.0
Chromium		845 J		0.39	4.2
Copper		462 J		0.85	7.0
Lead		248 J		0.59	7.0
Cobalt		14.0 J		0.28	2.8
Nickel		155 J		0.73	7.0
Selenium		~~2.3~~ 14.1 U J	~~J~~	1.3	14.1
Silver		4.2	U	0.39	4.2
Thallium		~~7.3~~ 9.9 U J	~~J~~	4.4	9.9
Vanadium		48.5		0.25	5.6
Zinc		317		2.1	28.2

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/17/2008 1334
Date Prepared: 12/16/2008 1502

Analysis Batch: 220-22954
Prep Batch: 220-22907

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.20		0.018	0.062

01/08/09 JC 1/27/09 01/08/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-21 (8-10)

Lab Sample ID: 220-7408-1
Client Matrix: Solid
% Moisture: 20.8

Date Sampled: 12/01/2008 0850
Date Received: 12/05/2008 1600

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 50
Date Analyzed: 12/16/2008 2033
Date Prepared: 12/09/2008 1642

Analysis Batch: 220-22912
Prep Batch: 220-22689

Instrument ID: HP7890
Lab File ID: DX1003125.D
Initial Weight/Volume: 15.16 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	9700000		750000	750000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	50 - 150

JD 1/26/09
JAm 01/06/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-22 (9-10)**

Lab Sample ID: 220-7408-2
Client Matrix: Solid

% Moisture: 19.1

Date Sampled: 12/01/2008 0915
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/08/2008 1638
Date Prepared: 12/05/2008 1716

Analysis Batch: 220-22681
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 08066.D
Initial Weight/Volume: 5.68 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	220 J	E H	2.5	22
Acrylonitrile	5.4 UJ	U H	3.5	5.4
Benzene	8.6 J	H	0.77	5.4
Bromobenzene	5.4 UJ	U H	0.62	5.4
n-Butylbenzene	11 J	H	1.1	5.4
sec-Butylbenzene	5.0 J	J H	1.3	5.4
tert-Butylbenzene	5.4 UJ	U H	0.66	5.4
Bromodichloromethane	5.4	U H	0.71	5.4
Bromoform	5.4	U H	1.9	5.4
Bromomethane	5.4	U H	1.7	5.4
Methyl Ethyl Ketone	11 UJ	U H	3.7	11
Chlorobenzene	2.7 J	J H	0.96	5.4
Carbon disulfide	33 J	H	0.58	5.4
Carbon tetrachloride	5.4 UJ	U H	0.77	5.4
Chloroethane	5.4	U H	1.4	5.4
Chloroform	5.4	U H	0.58	5.4
Chloromethane	5.4	U H	1.1	5.4
2-Chlorotoluene	5.4	U H	0.91	5.4
4-Chlorotoluene	5.4	U H	1.2	5.4
Dibromochloromethane	5.4	U H	1.2	5.4
1,2-Dibromo-3-Chloropropane	11	U H	1.8	11
1,2-Dibromoethane	5.4	U H	1.3	5.4
Dibromomethane	5.4 UJ	U H	0.73	5.4
1,2-Dichlorobenzene	8.5 J	H	1.2	5.4
1,3-Dichlorobenzene	4.1 J	J H	1.2	5.4
1,4-Dichlorobenzene	5.0 J	J H	1.3	5.4
trans-1,4-Dichloro-2-butene	11 UJ	U H	1.8	11
Dichlorodifluoromethane	5.4	U H	1.7	5.4
1,1-Dichloroethane	5.4	U H	0.71	5.4
1,2-Dichloroethane	5.4	U H	1.2	5.4
1,1-Dichloroethene	5.4	U H	0.86	5.4
cis-1,2-Dichloroethene	5.4	U H	1.0	5.4
trans-1,2-Dichloroethene	5.4	U H	1.0	5.4
1,2-Dichloropropane	5.4	U H	1.1	5.4
1,3-Dichloropropane	5.4	U H	0.53	5.4
2,2-Dichloropropane	5.4	U H	0.84	5.4
1,1-Dichloropropene	27	U H	0.72	27
cis-1,3-Dichloropropene	5.4	U H	0.67	5.4
trans-1,3-Dichloropropene	5.4 UJ	U H	1.2	5.4
Ethylbenzene	7.0 J	H	0.77	5.4
Hexachlorobutadiene	5.4 UJ	U H	1.9	5.4
2-Hexanone	11 UJ	U H	2.9	11
Isopropylbenzene	2.7 J	J H	0.82	5.4
4-Isopropyltoluene	10 J	H	1.2	5.4

do not report

JAM 1/7/09

JC 1/26/9

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-22 (9-10)**

Lab Sample ID: 220-7408-2
Client Matrix: Solid

% Moisture: 19.1

Date Sampled: 12/01/2008 0915
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/08/2008 1638
Date Prepared: 12/05/2008 1716

Analysis Batch: 220-22681
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8066.D
Initial Weight/Volume: 5.68 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~2.0~~ 22 U J	~~J H B~~	1.5	22
methyl isobutyl ketone	5.4 U J	U H	1.0	5.4
Methyl tert-butyl ether	5.4 U J	U H	0.80	5.4
Naphthalene	40 J	H	0.64	5.4
N-Propylbenzene	6.5 J	H	0.80	5.4
Styrene	5.4 U J	U H	1.4	5.4
1,1,1,2-Tetrachloroethane	5.4 U J	U H	0.72	5.4
1,1,2,2-Tetrachloroethane	5.4 U J	U H	1.1	5.4
Toluene	13 J	H	0.64	5.4
Tetrachloroethene	5.4 U J	U H	0.80	5.4
Tetrahydrofuran	22	U H	3.1	22
1,2,3-Trichlorobenzene	5.4	U H	1.2	5.4
1,2,4-Trichlorobenzene	5.4	U H	1.4	5.4
1,1,1-Trichloroethane	5.4	U H	0.79	5.4
1,1,2-Trichloroethane	5.4	U H	0.95	5.4
Trichloroethene	5.4	U H	1.1	5.4
Trichlorofluoromethane	5.4	U H	1.0	5.4
1,2,3-Trichloropropane	5.4	U H	1.8	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane	5.4 U J	U H	0.85	5.4
1,2,4-Trimethylbenzene	46 J	H	1.5	5.4
1,3,5-Trimethylbenzene	23 J	H	1.0	5.4
Vinyl chloride	5.4 U J	U H	1.4	5.4
m&p-Xylene	9.6 J	H	1.7	5.4
o-Xylene	6.0 J	H	1.0	5.4

do not report

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	42	*	49 - 134
4-Bromofluorobenzene	59		36 - 133
Dibromofluoromethane	25	*	60 - 130
Toluene-d8 (Surr)	25	*	51 - 137

JAM 1/7/09

JC 1/26/09

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-22 (9-10)**

Lab Sample ID: 220-7408-2
Client Matrix: Solid

% Moisture: 19.1

Date Sampled: 12/01/2008 0915
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/09/2008 1935
Date Prepared: 12/05/2008 1716

Analysis Batch: 220-22741
Prep Batch: 220-22598
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8102.D
Initial Weight/Volume: 6.29 g
Final Weight/Volume: 5 mL

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	74	49 - 134
4-Bromofluorobenzene	97	36 - 133
Dibromofluoromethane	65	60 - 130
Toluene-d8 (Surr)	85	51 - 137

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/09/2008 1935
Date Prepared: 12/05/2008 1716

Analysis Batch: 220-22741
Prep Batch: 220-22598
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8102.D
Initial Weight/Volume: 6.29 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	160 J	H	2.3	20
Acrylonitrile	4.9 UJ	UH	3.1	4.9
Benzene	4.9UJ ~~4.7 J~~	JH	0.70	4.9
Bromobenzene	4.9 UJ	UH	0.56	4.9
n-Butylbenzene	4.9 UJ	UH	1.0	4.9
sec-Butylbenzene	4.9UJ ~~2.0 J~~	JH	1.2	4.9
tert-Butylbenzene	4.9 UJ	UH	0.60	4.9
Bromodichloromethane	4.9	UH	0.64	4.9
Bromoform	4.9	UH	1.7	4.9
Bromomethane	4.9 UJ	UH	1.5	4.9
Methyl Ethyl Ketone	51 J	H	3.3	9.8
Chlorobenzene	4.9UJ ~~1.4 J~~	JH	0.86	4.9
Carbon disulfide	8.8 J	H	0.52	4.9
Carbon tetrachloride	4.9 UJ	UH	0.70	4.9
Chloroethane	4.9	UH	1.2	4.9
Chloroform	4.9	UH	0.52	4.9
Chloromethane	4.9	UH	0.99	4.9
2-Chlorotoluene	4.9	UH	0.83	4.9
4-Chlorotoluene	4.9	UH	1.1	4.9
Dibromochloromethane	4.9	UH	1.1	4.9
1,2-Dibromo-3-Chloropropane	9.8	UH	1.6	9.8
1,2-Dibromoethane	4.9	UH	1.2	4.9
Dibromomethane	4.9 UJ	UH	0.66	4.9
1,2-Dichlorobenzene	5.6 J	H	1.1	4.9
1,3-Dichlorobenzene	4.9UJ ~~2.7 J~~	JH	1.1	4.9
1,4-Dichlorobenzene	4.9UJ ~~3.2 J~~	JH	1.2	4.9
trans-1,4-Dichloro-2-butene	9.8 UJ	UH	1.6	9.8
Dichlorodifluoromethane	4.9	UH*	1.5	4.9
1,1-Dichloroethane	4.9	UH	0.64	4.9
1,2-Dichloroethane	4.9 UJ	UH	1.1	4.9

JCM 1/7/09

JC 1/21

JJ 6/28/09

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-22 (9-10)**

Lab Sample ID: 220-7408-2
Client Matrix: Solid
% Moisture: 19.1

Date Sampled: 12/01/2008 0915
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/09/2008 1935
Date Prepared: 12/05/2008 1716

Analysis Batch: 220-22741
Prep Batch: 220-22598
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8102.D
Initial Weight/Volume: 6.29 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethene	4.9 UJ	UH	0.78	4.9
cis-1,2-Dichloroethene	4.9	UH	0.90	4.9
trans-1,2-Dichloroethene	4.9	UH	0.94	4.9
1,2-Dichloropropane	4.9	UH	0.95	4.9
1,3-Dichloropropane	4.9	UH	0.48	4.9
2,2-Dichloropropane	4.9	UH	0.76	4.9
1,1-Dichloropropene	25	UH	0.65	25
cis-1,3-Dichloropropene	4.9	UH	0.61	4.9
trans-1,3-Dichloropropene	4.9 UJ	UH	1.1	4.9
Ethylbenzene	4.9UJ ~~4.8 J~~	JH	0.70	4.9
Hexachlorobutadiene	4.9 UJ	UH	1.7	4.9
2-Hexanone	9.8 UJ	UH	2.6	9.8
Isopropylbenzene	4.9UJ ~~4.5 J~~	JH	0.74	4.9
4-Isopropyltoluene	4.9UJ ~~3.7 J~~	JH	1.1	4.9
Methylene Chloride	~~2.3~~ 2.0UJ	~~JH~~ B*	1.4	20
methyl isobutyl ketone	4.9 UJ	UH	0.92	4.9
Methyl tert-butyl ether	4.9 UJ	UH	0.73	4.9
Naphthalene	24 J	H	0.58	4.9
N-Propylbenzene	4.9UJ ~~3.7 J~~	JH	0.73	4.9
Styrene	4.9 UJ	UH	1.3	4.9
1,1,1,2-Tetrachloroethane	4.9 UJ	UH	0.65	4.9
1,1,2,2-Tetrachloroethane	4.9 UJ	UH	1.0	4.9
Toluene	9.0 J	H	0.58	4.9
Tetrachloroethene	4.9 UJ	UH	0.73	4.9
Tetrahydrofuran	20	UH	2.8	20
1,2,3-Trichlorobenzene	4.9	UH	1.0	4.9
1,2,4-Trichlorobenzene	4.9	UH	1.2	4.9
1,1,1-Trichloroethane	4.9	UH	0.72	4.9
1,1,2-Trichloroethane	4.9	UH	0.85	4.9
Trichloroethene	4.9	UH	0.97	4.9
Trichlorofluoromethane	4.9	UH	0.93	4.9
1,2,3-Trichloropropane	4.9	UH	1.6	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9 UJ	UH	0.77	4.9
1,2,4-Trimethylbenzene	23 J	H	1.4	4.9
1,3,5-Trimethylbenzene	11 J	H	0.94	4.9
Vinyl chloride	4.9 UJ	UH	1.3	4.9
m&p-Xylene	6.0 J	H	1.5	4.9
o-Xylene	4.9UJ ~~4.0 J~~	JH	0.92	4.9

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-22 (9-10)

Lab Sample ID: 220-7408-2
Client Matrix: Solid

% Moisture: 19.1

Date Sampled: 12/01/2008 0915
Date Received: 12/05/2008 1600

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 5.0
Date Analyzed: 12/11/2008 1533
Date Prepared: 12/08/2008 1220

Analysis Batch: 220-22775
Prep Batch: 220-22623

Instrument ID: TJA Trace ICAP
Lab File ID: W121108
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		72.9	U	8.7	72.9
Arsenic		~~25.3~~ 36.4	UJ	4.5	36.4
Barium		56.6		1.6	14.6
Beryllium		14.6	U	1.6	14.6
Cadmium		36.4	U	3.8	36.4
Chromium		2890	J	2.0	21.9
Copper		10600	J	4.4	36.4
Lead		183	J	3.1	36.4
Cobalt		24.5	J	1.5	14.6
Nickel		358	J	3.8	36.4
Selenium		~~7.0~~ 72.9	UJ	6.6	72.9
Silver		21.9	U	2.0	21.9
Thallium		51.0	UJ	22.6	51.0
Vanadium		37.7		1.3	29.1
Zinc		533		10.9	146

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/17/2008 1335
Date Prepared: 12/16/2008 1502

Analysis Batch: 220-22954
Prep Batch: 220-22907

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.17		0.018	0.061

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-22 (9-10)**

Lab Sample ID: 220-7408-2
Client Matrix: Solid
% Moisture: 19.1

Date Sampled: 12/01/2008 0915
Date Received: 12/05/2008 1600

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 100
Date Analyzed: 12/16/2008 2053
Date Prepared: 12/09/2008 1642

Analysis Batch: 220-22912
Prep Batch: 220-22689

Instrument ID: HP7890
Lab File ID: DX1003126.D
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	37000000		3000000	3000000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	50 - 150

1/26/09

01/06/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-24 (10-11)**

Lab Sample ID: 220-7408-3
Client Matrix: Solid

% Moisture: 6.4

Date Sampled: 12/01/2008 1030
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/08/2008 1703
Date Prepared: 12/05/2008 1717

Analysis Batch: 220-22681
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 08067.D
Initial Weight/Volume: 3.17 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	34 UJ ~~26 J~~	~~J H~~	3.9	34
Acrylonitrile	8.4 UJ	U H	5.4	8.4
Benzene	8.4	U H	1.2	8.4
Bromobenzene	8.4	U H	0.96	8.4
n-Butylbenzene	8.4	U H	1.7	8.4
sec-Butylbenzene	8.4	U H	2.0	8.4
tert-Butylbenzene	8.4	U H	1.0	8.4
Bromodichloromethane	8.4	U H	1.1	8.4
Bromoform	8.4	U H	2.9	8.4
Bromomethane	8.4	U H	2.6	8.4
Methyl Ethyl Ketone	17	U H	5.7	17
Chlorobenzene	8.4	U H	1.5	8.4
Carbon disulfide	8.4	U H	0.89	8.4
Carbon tetrachloride	8.4	U H	1.2	8.4
Chloroethane	8.4	U H	2.1	8.4
Chloroform	8.4	U H	0.89	8.4
Chloromethane	8.4	U H	1.7	8.4
2-Chlorotoluene	8.4	U H	1.4	8.4
4-Chlorotoluene	8.4	U H	1.9	8.4
Dibromochloromethane	8.4	U H	1.8	8.4
1,2-Dibromo-3-Chloropropane	17	U H	2.8	17
1,2-Dibromoethane	8.4	U H	2.1	8.4
Dibromomethane	8.4	U H	1.1	8.4
1,2-Dichlorobenzene	8.4	U H	1.9	8.4
1,3-Dichlorobenzene	8.4	U H	1.9	8.4
1,4-Dichlorobenzene	8.4	U H	2.1	8.4
trans-1,4-Dichloro-2-butene	17	U H	2.8	17
Dichlorodifluoromethane	8.4	U H	2.6	8.4
1,1-Dichloroethane	8.4	U H	1.1	8.4
1,2-Dichloroethane	8.4	U H	1.8	8.4
1,1-Dichloroethene	8.4	U H	1.3	8.4
cis-1,2-Dichloroethene	8.4	U H	1.6	8.4
trans-1,2-Dichloroethene	8.4	U H	1.6	8.4
1,2-Dichloropropane	8.4	U H	1.6	8.4
1,3-Dichloropropane	8.4	U H	0.83	8.4
2,2-Dichloropropane	8.4	U H	1.3	8.4
1,1-Dichloropropene	42	U H	1.1	42
cis-1,3-Dichloropropene	8.4	U H	1.0	8.4
trans-1,3-Dichloropropene	8.4	U H	1.8	8.4
Ethylbenzene	8.4	U H	1.2	8.4
Hexachlorobutadiene	8.4	U H	3.0	8.4
2-Hexanone	17	U H	4.5	17
Isopropylbenzene	8.4	U H	1.3	8.4
4-Isopropyltoluene	8.4 UJ	U H	1.8	8.4

JMM 1/7/09

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-24 (10-11)**

Lab Sample ID:	*220-7408-3*			*Date Sampled:*	*12/01/2008 1030*
Client Matrix:	*Solid*	*% Moisture:*	*6.4*	*Date Received:*	*12/05/2008 1600*

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-22681		*Instrument ID:*	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-22598		Lab File ID:	O8067.D
Dilution:	1.0			*Initial Weight/Volume:*	3.17 g
Date Analyzed:	12/08/2008 1703			*Final Weight/Volume:*	5 mL
Date Prepared:	12/05/2008 1717				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~4.2~~ 34UJ	~~JHB~~	2.4	34
methyl isobutyl ketone	8.4 UJ	U H	1.6	8.4
Methyl tert-butyl ether	8.4	U H	1.2	8.4
Naphthalene	8.4	U H	0.99	8.4
N-Propylbenzene	8.4	U H	1.2	8.4
Styrene	8.4	U H	2.2	8.4
1,1,1,2-Tetrachloroethane	8.4	U H	1.1	8.4
1,1,2,2-Tetrachloroethane	8.4 UJ	U H	1.8	8.4
Toluene	8.4UJ ~~2.6 J~~	J H	0.99	8.4
Tetrachloroethene	8.4 UJ	U H	1.2	8.4
Tetrahydrofuran	34	U H	4.8	34
1,2,3-Trichlorobenzene	8.4	U H	1.8	8.4
1,2,4-Trichlorobenzene	8.4	U H	2.1	8.4
1,1,1-Trichloroethane	8.4	U H	1.2	8.4
1,1,2-Trichloroethane	8.4	U H	1.5	8.4
Trichloroethene	8.4	U H	1.7	8.4
Trichlorofluoromethane	8.4	U H	1.6	8.4
1,2,3-Trichloropropane	8.4	U H	2.8	8.4
1,1,2-Trichloro-1,2,2-trifluoroethane	8.4	U H	1.3	8.4
1,2,4-Trimethylbenzene	8.4	U H	2.3	8.4
1,3,5-Trimethylbenzene	8.4	U H	1.6	8.4
Vinyl chloride	8.4	U H	2.2	8.4
m&p-Xylene	8.4	U H	2.6	8.4
o-Xylene	8.4 UJ	U H	1.6	8.4

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	76	49 - 134
4-Bromofluorobenzene	88	36 - 133
Dibromofluoromethane	73	60 - 130
Toluene-d8 (Surr)	90	51 - 137

6/28/09 JC 11/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-24 (10-11)

Lab Sample ID: 220-7408-3
Client Matrix: Solid

% Moisture: 6.4

Date Sampled: 12/01/2008 1030
Date Received: 12/05/2008 1600

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-22775		Instrument ID:	TJA Trace ICAP
Preparation:	3050B	Prep Batch: 220-22623		Lab File ID:	W121108
Dilution:	1.0			Initial Weight/Volume:	1.35 g
Date Analyzed:	12/11/2008 1517			Final Weight/Volume:	250 mL
Date Prepared:	12/08/2008 1220				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		9.9	U	1.2	9.9
Arsenic		5.5	J	0.61	4.9
Barium		53.1		0.22	2.0
Beryllium		~~0.46~~ 2.0U	~~J~~	0.22	2.0
Cadmium		4.9	U	0.51	4.9
Chromium		432	J	0.28	3.0
Copper		710	J	0.59	4.9
Lead		37.8	J	0.42	4.9
Cobalt		6.9		0.20	2.0
Nickel		147	J	0.51	4.9
Selenium		~~1.2~~ 9.9U	~~J~~	0.89	9.9
Silver		~~0.76~~ 3.0U	~~J~~	0.28	3.0
Thallium		6.9	UJ	3.1	6.9
Vanadium		20.1		0.18	4.0
Zinc		186		1.5	19.8

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-2
Sdg Number: 220-7408

Client Sample ID: **SB-24 (10-11)**

Lab Sample ID:	220-7408-3			Date Sampled:	12/01/2008 1030
Client Matrix:	Solid	% Moisture:	6.4	Date Received:	12/05/2008 1600

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-23660		Instrument ID:	Perkin Elmer FIMS
Preparation:	7471A	Prep Batch: 220-23638		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Date Analyzed:	01/14/2009 1400			Final Weight/Volume:	50 mL
Date Prepared:	01/13/2009 1459				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.26 J		0.015	0.050

1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-24 (10-11)

Lab Sample ID:	220-7408-3			Date Sampled:	12/01/2008 1030
Client Matrix:	Solid	% Moisture:	6.4	Date Received:	12/05/2008 1600

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-23013		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-22689		Lab File ID:	DX1003140.D
Dilution:	5.0			Initial Weight/Volume:	15.06 g
Date Analyzed:	12/18/2008 1356			Final Weight/Volume:	1 mL
Date Prepared:	12/09/2008 1642			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	Dry/Wt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	300000	J	64000	64000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	33	*	50 - 150

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Client: GEI Consultants, Inc.

General Chemistry

Client Sample ID: **SB-21 (8-10)**

Date Sampled: 12/01/2008 0850
Date Received: 12/05/2008 1600

Lab Sample ID: 220-7408-1
Client Matrix: Solid

% Moisture: 20.8

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Total	1.2	U	mg/Kg	1.2	1.2	1.0	9012A
	Anly Batch: 360-39637	Date Analyzed		12/15/2008 1225		DryWt Corrected: Y	
	Prep Batch: 360-39623	Date Prepared:		12/15/2008 1000			
Percent Moisture	20.8		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			
Percent Solids	79.2		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			

Client Sample ID: **SB-22 (9-10)**

Date Sampled: 12/01/2008 0915
Date Received: 12/05/2008 1600

Lab Sample ID: 220-7408-2
Client Matrix: Solid

% Moisture: 19.1

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Total	4.1		mg/Kg	1.1	1.1	1.0	9012A
	Anly Batch: 360-39637	Date Analyzed		12/15/2008 1228		DryWt Corrected: Y	
	Prep Batch: 360-39623	Date Prepared:		12/15/2008 1000			
Percent Moisture	19.1		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			
Percent Solids	80.9		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			

Client Sample ID: **SB-24 (10-11)**

Date Sampled: 12/01/2008 1030
Date Received: 12/05/2008 1600

Lab Sample ID: 220-7408-3
Client Matrix: Solid

% Moisture: 6.4

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Total	0.89	U	mg/Kg	0.89	0.89	1.0	9012A
	Anly Batch: 360-39637	Date Analyzed		12/15/2008 1229		DryWt Corrected: Y	
	Prep Batch: 360-39623	Date Prepared:		12/15/2008 1000			
Percent Moisture	6.44		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			
Percent Solids	93.6		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-25 (15-16)

Lab Sample ID: 220-7408-4
Client Matrix: Solid
% Moisture: 16.1

Date Sampled: 12/01/2008 1115
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/08/2008 1728
Date Prepared: 12/05/2008 1718

Analysis Batch: 220-22681
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8068.D
Initial Weight/Volume: 6.20 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)		Qualifier	MDL	RL
Acetone	140	J	H	2.3	19
Acrylonitrile	~~4.8~~	R	U H	3.1	4.8
Benzene	8.5	J	H	0.68	4.8
Bromobenzene	~~4.8~~	R	U H	0.55	4.8
n-Butylbenzene	130	J	H	0.98	4.8
sec-Butylbenzene	56	J	H	1.2	4.8
tert-Butylbenzene	~~4.8~~	R	U H	0.59	4.8
Bromodichloromethane	4.8		U H	0.63	4.8
Bromoform	4.8		U H	1.7	4.8
Bromomethane	4.8		U H	1.5	4.8
Methyl Ethyl Ketone	9.6		U H	3.2	9.6
Chlorobenzene	~~4.8~~	R	U H	0.85	4.8
Carbon disulfide	170	J	H	0.51	4.8
Carbon tetrachloride	~~4.8~~	R	U H	0.68	4.8
Chloroethane	4.8		U H	1.2	4.8
Chloroform	4.8		U H	0.51	4.8
Chloromethane	4.8		U H	0.97	4.8
2-Chlorotoluene	4.8		U H	0.81	4.8
4-Chlorotoluene	4.8		U H	1.1	4.8
Dibromochloromethane	4.8		U H	1.0	4.8
1,2-Dibromo-3-Chloropropane	9.6		U H	1.6	9.6
1,2-Dibromoethane	4.8		U H	1.2	4.8
Dibromomethane	4.8		U H	0.64	4.8
1,2-Dichlorobenzene	4.8		U H	1.1	4.8
1,3-Dichlorobenzene	4.8		U H	1.1	4.8
1,4-Dichlorobenzene	4.8		U H	1.2	4.8
trans-1,4-Dichloro-2-butene	9.6		U H	1.6	9.6
Dichlorodifluoromethane	4.8		U H	1.5	4.8
1,1-Dichloroethane	4.8		U H	0.63	4.8
1,2-Dichloroethane	4.8		U H	1.0	4.8
1,1-Dichloroethene	4.8		U H	0.76	4.8
cis-1,2-Dichloroethene	4.8		U H	0.88	4.8
trans-1,2-Dichloroethene	4.8		U H	0.92	4.8
1,2-Dichloropropane	4.8		U H	0.93	4.8
1,3-Dichloropropane	4.8		U H	0.47	4.8
2,2-Dichloropropane	4.8		U H	0.74	4.8
1,1-Dichloropropene	24		U H	0.63	24
cis-1,3-Dichloropropene	4.8		U H	0.60	4.8
trans-1,3-Dichloropropene	~~4.8~~	R	U H	1.0	4.8
Ethylbenzene	69	J	H	0.68	4.8
Hexachlorobutadiene	~~4.8~~	R	U H	1.7	4.8
2-Hexanone	~~9.6~~	R	U H	2.5	9.6
Isopropylbenzene	52	J	H	0.72	4.8
4-Isopropyltoluene	110	J	H	1.1	4.8

report only circled results

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-25 (15-16)

Lab Sample ID: 220-7408-4
Client Matrix: Solid
% Moisture: 16.1

Date Sampled: 12/01/2008 1115
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/08/2008 1728
Date Prepared: 12/05/2008 1716

Analysis Batch: 220-22681
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8068.D
Initial Weight/Volume: 6.20 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride		~~19~~ R	U H	1.3	19
methyl isobutyl ketone		~~4.8~~ R	U H	0.90	4.8
Methyl tert-butyl ether		~~4.8~~ R	U H	0.71	4.8
Naphthalene		~~790~~ 3300	~~E H~~	0.57	4.8
N-Propylbenzene		91 J	H	0.71	4.8
Styrene		~~4.8~~ R	U H	1.2	4.8
1,1,1,2-Tetrachloroethane		~~4.8~~ R	U H	0.63	4.8
1,1,2,2-Tetrachloroethane		~~4.8~~ R	U H	1.0	4.8
Toluene		64 J	H	0.57	4.8
Tetrachloroethene		~~4.8~~ R	U H	0.71	4.8
Tetrahydrofuran		19	U H	2.8	18
1,2,3-Trichlorobenzene		4.8	U H	1.0	4.8
1,2,4-Trichlorobenzene		4.8	U H	1.2	4.8
1,1,1-Trichloroethane		4.8	U H	0.70	4.8
1,1,2-Trichloroethane		4.8	U H	0.84	4.8
Trichloroethene		4.8	U H	0.95	4.8
Trichlorofluoromethane		4.8	U H	0.91	4.8
1,2,3-Trichloropropane		4.8	U H	1.6	4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		~~4.8~~ R	U H	0.75	4.8
1,2,4-Trimethylbenzene		~~920~~ 1000	E H	1.3	4.8
1,3,5-Trimethylbenzene		~~370~~ 410	E H	0.92	4.8
Vinyl chloride		~~4.8~~ R	U H	1.3	4.8
m&p-Xylene		130 J	H	1.5	4.8
o-Xylene		80 J	H	0.90	4.8

report only circled results

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	45	*	49 - 134
4-Bromofluorobenzene	342	*	36 - 133
Dibromofluoromethane	1	*	60 - 130
Toluene-d8 (Surr)	18	*	51 - 137

1/7/09

1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-25 (15-16)**

Lab Sample ID: 220-7408-4
Client Matrix: Solid

% Moisture: 16.1

Date Sampled: 12/01/2008 1115
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 12/10/2008 1325
Date Prepared: 12/05/2008 1753

Analysis Batch: 220-22855
Prep Batch: 220-22599
Run Type: DL

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L1642.D
Initial Weight/Volume: 5.14 g
Final Weight/Volume: 5.82754 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~850~~ 140 J	~~U H~~	160	850
Acrylonitrile	340 UJ	U H	88	340
Benzene	~~340~~ 8.5 J	~~U H~~	45	340
Bromobenzene	340 UJ	U H	41	340
n-Butylbenzene	~~340~~ 130 J	~~U H~~	59	340
sec-Butylbenzene	81 J	~~U H~~	51	340
tert-Butylbenzene	340 UJ	U H	47	340
Bromodichloromethane	340	U H	47	340
Bromoform	340	U H	54	340
Bromomethane	340	U H	82	340
Methyl Ethyl Ketone	340	U H	74	340
Chlorobenzene	340 UJ	U H	42	340
Carbon disulfide	~~340~~ 110 J	~~U H~~	45	340
Carbon tetrachloride	340 UJ	U H	52	340
Chloroethane	340	U H	54	340
Chloroform	340	U H	42	340
Chloromethane	340	U H	43	340
2-Chlorotoluene	340	U H	110	340
4-Chlorotoluene	340	U H	47	340
Dibromochloromethane	340	U H	53	340
1,2-Dibromo-3-Chloropropane	340	U H	39	340
1,2-Dibromoethane	340	U H	34	340
Dibromomethane	340	U H	48	340
1,2-Dichlorobenzene	340	U H	41	340
1,3-Dichlorobenzene	340	U H	41	340
1,4-Dichlorobenzene	340	U H	42	340
trans-1,4-Dichloro-2-butene	340	U H	160	340
Dichlorodifluoromethane	340	U H	53	340
1,1-Dichloroethane	340	U H	49	340
1,2-Dichloroethane	340	U H	40	340
1,1-Dichloroethene	340	U H	51	340
cis-1,2-Dichloroethene	340	U H	41	340
trans-1,2-Dichloroethene	340	U H	36	340
1,2-Dichloropropane	340	U H	35	340
1,3-Dichloropropane	340	U H	45	340
2,2-Dichloropropane	340	U H	37	340
1,1-Dichloropropene	340	U H	47	340
cis-1,3-Dichloropropene	340	U H	41	340
trans-1,3-Dichloropropene	340 UJ	U H	42	340
Ethylbenzene	120 J	~~U H~~	35	340
Hexachlorobutadiene	340 UJ	U H	68	340
2-Hexanone	340 UJ	U H	88	340
Isopropylbenzene	~~340~~ 52 J	~~U H~~	48	340
4-Isopropyltoluene	180 J	~~U H~~	41	340

6/28/09 12/4/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-25 (15-16)

Lab Sample ID: 220-7408-4
Client Matrix: Solid
% Moisture: 16.1

Date Sampled: 12/01/2008 1115
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 12/10/2008 1325
Date Prepared: 12/05/2008 1753

Analysis Batch: 220-22855
Prep Batch: 220-22599
Run Type: DL

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L1642.D
Initial Weight/Volume: 5.14 g
Final Weight/Volume: 5.82754 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	340 UJ	U H	55	340
methyl isobutyl ketone	340 UJ	U H	55	340
Methyl tert-butyl ether	340 UJ	U H	34	340
Naphthalene	3300 J	H	52	340
N-Propylbenzene	89 J	J H	44	340
Styrene	340 UJ	U H	54	340
1,1,1,2-Tetrachloroethane	340 UJ	U H	58	340
1,1,2,2-Tetrachloroethane	340 UJ	U H	45	340
Toluene	120 J	J H	49	340
Tetrachloroethene	340 UJ	U H	55	340
Tetrahydrofuran	340	U H	110	340
1,2,3-Trichlorobenzene	340	U H	51	340
1,2,4-Trichlorobenzene	340	U H	59	340
1,1,1-Trichloroethane	340	U H	42	340
1,1,2-Trichloroethane	340	U H	46	340
Trichloroethene	340	U H	44	340
Trichlorofluoromethane	340	U H	43	340
1,2,3-Trichloropropane	340	U H	88	340
1,1,2-Trichloro-1,2,2-trifluoroethane	340 UJ	U H	47	340
1,2,4-Trimethylbenzene	1000 J	H	37	340
1,3,5-Trimethylbenzene	410 J	H	36	340
Vinyl chloride	340 UJ	U H	45	340
m&p-Xylene	260 J	J H	88	340
o-Xylene	160 J	J H	55	340

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	49 - 134
4-Bromofluorobenzene	99	36 - 133
Dibromofluoromethane	89	60 - 130
Toluene-d8 (Surr)	88	51 - 137

6/28/09 1/26/09 1/7/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-25 (15-16)

Lab Sample ID: 220-7408-4
Client Matrix: Solid

Date Sampled: 12/01/2008 1115
Date Received: 12/05/2008 1800

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 220-23046		Instrument ID:	TJA Trace ICAP
Preparation:	3010A	Prep Batch: 220-22996		Lab File ID:	W121808
Dilution:	1.0	Leachate Batch: 220-22962		Initial Weight/Volume:	10 mL
Date Analyzed:	12/19/2008 0856			Final Weight/Volume:	50 mL
Date Prepared:	12/18/2008 1327				
Date Leached:	12/17/2008 1701				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Arsenic		0.10	U	0.022	0.10
Barium		0.38		0.0060	0.050
Cadmium		0.050	U	0.014	0.050
Chromium		~~0.042~~ 0.050U	~~J~~	0.0050	0.050
Lead		0.050	U	0.015	0.050
Selenium		~~0.024~~ 0.15U	~~J~~	0.016	0.15
Silver		0.050	U	0.0065	0.050

7470A Mercury (CVAA)-TCLP

Method:	7470A	Analysis Batch: 220-23036		Instrument ID:	Perkin Elmer FIMS
Preparation:	7470A	Prep Batch: 220-23006		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-22962		Initial Weight/Volume:	5 mL
Date Analyzed:	12/19/2008 0745			Final Weight/Volume:	50 mL
Date Prepared:	12/18/2008 1434				
Date Leached:	12/17/2008 1701				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Mercury		0.0020	U	0.0010	0.0020

JC 1/27/09

01/08/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-25 (15-16)

Lab Sample ID: 220-7408-4
Client Matrix: Solid
% Moisture: 16.1

Date Sampled: 12/01/2008 1115
Date Received: 12/05/2008 1600

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3541
Dilution: 10
Date Analyzed: 12/18/2008 1608
Date Prepared: 12/12/2008 1617

Analysis Batch: 220-23030
Prep Batch: 220-22810

Instrument ID: HP 5890 with dual ECD
Lab File ID: D4738067.d
Initial Weight/Volume: 15.10 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	200	U	32	200
PCB-1221	390	U	71	390
PCB-1232	200	U	40	200
PCB-1242	200	U	51	200
PCB-1248	200	U	51	200
PCB-1254	200	U	37	200
PCB-1260	200	U	30	200
PCB-1262	200	U	60	200
PCB-1268	200	U	39	200

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	149		25 - 159
Tetrachloro-m-xylene	177	*	24 - 154

1/20/09

04/09/08

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-25 (15-16)

Lab Sample ID: 220-7408-4
Client Matrix: Solid
% Moisture: 16.1

Date Sampled: 12/01/2008 1115
Date Received: 12/05/2008 1600

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 100
Date Analyzed: 12/18/2008 1416
Date Prepared: 12/09/2008 1642

Analysis Batch: 220-23013
Prep Batch: 220-22669

Instrument ID: HP7890
Lab File ID: DX1003141.D
Initial Weight/Volume: 15.36 g
Final Weight/Volume: 3 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	71000000		4200000	4200000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	50 - 150

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-27 (5-6)

Lab Sample ID: 220-7408-5
Client Matrix: Solid

% Moisture: 18.9

Date Sampled: 12/02/2008 1100
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/08/2008 1753
Date Prepared: 12/05/2008 1719

Analysis Batch: 220-22681
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: Q8069.D
Initial Weight/Volume: 5.75 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	120 J	H	2.5	21
Acrylonitrile	5.4 UJ	U H	3.4	5.4
Benzene	5.4	U H	0.76	5.4
Bromobenzene	5.4	U H	0.61	5.4
n-Butylbenzene	5.4	U H	1.1	5.4
sec-Butylbenzene	5.4	U H	1.3	5.4
tert-Butylbenzene	5.4	U H	0.65	5.4
Bromodichloromethane	5.4	U H	0.70	5.4
Bromoform	5.4	U H	1.9	5.4
Bromomethane	5.4 UJ	U H	1.6	5.4
Methyl Ethyl Ketone	35 J	H	3.6	11
Chlorobenzene	5.4 UJ	U H	0.94	5.4
Carbon disulfide	3.2 J	J H	0.57	5.4
Carbon tetrachloride	5.4 UJ	U H	0.76	5.4
Chloroethane	5.4	U H	1.4	5.4
Chloroform	5.4	U H	0.57	5.4
Chloromethane	5.4	U H	1.1	5.4
2-Chlorotoluene	5.4	U H	0.90	5.4
4-Chlorotoluene	5.4	U H	1.2	5.4
Dibromochloromethane	5.4	U H	1.1	5.4
1,2-Dibromo-3-Chloropropane	11	U H	1.8	11
1,2-Dibromoethane	5.4	U H	1.3	5.4
Dibromomethane	5.4	U H	0.72	5.4
1,2-Dichlorobenzene	5.4	U H	1.2	5.4
1,3-Dichlorobenzene	5.4	U H	1.2	5.4
1,4-Dichlorobenzene	5.4	U H	1.3	5.4
trans-1,4-Dichloro-2-butene	11	U H	1.8	11
Dichlorodifluoromethane	5.4	U H	1.7	5.4
1,1-Dichloroethane	5.4	U H	0.70	5.4
1,2-Dichloroethane	5.4	U H	1.2	5.4
1,1-Dichloroethene	5.4	U H	0.85	5.4
cis-1,2-Dichloroethene	5.4	U H	0.99	5.4
trans-1,2-Dichloroethene	5.4	U H	1.0	5.4
1,2-Dichloropropane	5.4	U H	1.0	5.4
1,3-Dichloropropane	5.4	U H	0.53	5.4
2,2-Dichloropropane	5.4	U H	0.83	5.4
1,1-Dichloropropene	27	U H	0.71	27
cis-1,3-Dichloropropene	5.4	U H	0.67	5.4
trans-1,3-Dichloropropene	5.4	U H	1.1	5.4
Ethylbenzene	5.4	U H	0.76	5.4
Hexachlorobutadiene	5.4	U H	1.9	5.4
2-Hexanone	11	U H	2.8	11
Isopropylbenzene	5.4	U H	0.80	5.4
4-Isopropyltoluene	5.4 UJ	U H	1.2	5.4

do not report

JM 1/7/09

JC 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-27 (5-6)**

Lab Sample ID: 220-7408-5
Client Matrix: Solid

% Moisture: 18.9

Date Sampled: 12/02/2008 1100
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/08/2008 1753
Date Prepared: 12/05/2008 1719

Analysis Batch: 220-22681
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8069.D
Initial Weight/Volume: 5.75 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~4.9~~ 21 UJ	~~JHB~~	1.5	21
methyl isobutyl ketone	5.4 UJ	U H	1.0	5.4
Methyl tert-butyl ether	5.4 UJ	U H	0.79	5.4
Naphthalene	23 J	H	0.63	5.4
N-Propylbenzene	5.4 UJ	U H	0.79	5.4
Styrene	5.4	U H	1.4	5.4
1,1,1,2-Tetrachloroethane	5.4	U H	0.71	5.4
1,1,2,2-Tetrachloroethane	5.4 UJ	U H	1.1	5.4
Toluene	0.97 J	J H	0.63	5.4
Tetrachloroethene	5.4 UJ	U H	0.79	5.4
Tetrahydrofuran	21	U H	3.1	21
1,2,3-Trichlorobenzene	5.4	U H	1.1	5.4
1,2,4-Trichlorobenzene	5.4	U H	1.4	5.4
1,1,1-Trichloroethane	5.4	U H	0.78	5.4
1,1,2-Trichloroethane	5.4	U H	0.93	5.4
Trichloroethene	5.4	U H	1.1	5.4
Trichlorofluoromethane	5.4	U H	1.0	5.4
1,2,3-Trichloropropane	5.4	U H	1.8	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane	5.4 UJ	U H	0.84	5.4
1,2,4-Trimethylbenzene	2.8 J	J H	1.5	5.4
1,3,5-Trimethylbenzene	5.4 UJ	U H	1.0	5.4
Vinyl chloride	5.4	U H	1.4	5.4
m&p-Xylene	5.4	U H	1.7	5.4
o-Xylene	5.4 UJ	U H	1.0	5.4

do not report

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		49 - 134
4-Bromofluorobenzene	135	*	36 - 133
Dibromofluoromethane	92		60 - 130
Toluene-d8 (Surr)	110		51 - 137

JSM 1/7/09

SC 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-27 (5-6)

Lab Sample ID: 220-7408-5
Client Matrix: Solid

% Moisture: 18.9

Date Sampled: 12/02/2008 1100
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-22741		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-22598		Lab File ID:	O8103.D
Dilution:	1.0			Initial Weight/Volume:	5.63 g
Date Analyzed:	12/09/2008 2000	Run Type: RA		Final Weight/Volume:	5 mL
Date Prepared:	12/05/2008 1719				

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	73	49 - 134
4-Bromofluorobenzene	96	36 - 133
Dibromofluoromethane	70	60 - 130
Toluene-d8 (Surr)	88	51 - 137

Method:	8260B	Analysis Batch: 220-22741		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-22598		Lab File ID:	O8103.D
Dilution:	1.0			Initial Weight/Volume:	5.63 g
Date Analyzed:	12/09/2008 2000	Run Type: RA		Final Weight/Volume:	5 mL
Date Prepared:	12/05/2008 1719				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	110 J	H	2.6	22
Acrylonitrile	5.5 UJ	U H	3.5	5.5
Benzene	5.5	U H	0.78	5.5
Bromobenzene	5.5	U H	0.62	5.5
n-Butylbenzene	5.5	U H	1.1	5.5
sec-Butylbenzene	5.5	U H	1.3	5.5
tert-Butylbenzene	5.5	U H	0.67	5.5
Bromodichloromethane	5.5	U H	0.71	5.5
Bromoform	5.5	U H	1.9	5.5
Bromomethane	5.5	U H	1.7	5.5
Methyl Ethyl Ketone	11	U H	3.7	11
Chlorobenzene	5.5 UJ	U H	0.96	5.5
Carbon disulfide	5.5 UJ ~~1.7 J~~	J H	0.58	5.5
Carbon tetrachloride	5.5 UJ	U H	0.78	5.5
Chloroethane	5.5	U H	1.4	5.5
Chloroform	5.5	U H	0.58	5.5
Chloromethane	5.5	U H	1.1	5.5
2-Chlorotoluene	5.5	U H	0.92	5.5
4-Chlorotoluene	5.5	U H	1.2	5.5
Dibromochloromethane	5.5	U H	1.2	5.5
1,2-Dibromo-3-Chloropropane	11	U H	1.8	11
1,2-Dibromoethane	5.5	U H	1.4	5.5
Dibromomethane	5.5	U H	0.73	5.5
1,2-Dichlorobenzene	5.5	U H	1.2	5.5
1,3-Dichlorobenzene	5.5	U H	1.2	5.5
1,4-Dichlorobenzene	5.5	U H	1.3	5.5
trans-1,4-Dichloro-2-butene	11	U H	1.8	11
Dichlorodifluoromethane	5.5	U H	1.7	5.5
1,1-Dichloroethane	5.5	U H	0.71	5.5
1,2-Dichloroethane	5.5 UJ	U H	1.2	5.5

4/7/09 4/28/09 JC 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-27 (5-6)**

Lab Sample ID: 220-7408-5
Client Matrix: Solid

% Moisture: 18.9

Date Sampled: 12/02/2008 1100
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-22741	Instrument ID:	HP 5890/5971A GC/MS	
Preparation:	5035	Prep Batch: 220-22598	Lab File ID:	O8103.D	
Dilution:	1.0		Initial Weight/Volume:	5.63 g	
Date Analyzed:	12/09/2008 2000	Run Type: RA	Final Weight/Volume:	5 mL	
Date Prepared:	12/05/2008 1719				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethene	5.5 UJ	U H	0.87	5.5
cis-1,2-Dichloroethene	5.5	U H	1.0	5.5
trans-1,2-Dichloroethene	5.5	U H	1.1	5.5
1,2-Dichloropropane	5.5	U H	1.1	5.5
1,3-Dichloropropane	5.5	U H	0.54	5.5
2,2-Dichloropropane	5.5	U H	0.84	5.5
1,1-Dichloropropene	27	U H	0.72	27
cis-1,3-Dichloropropene	5.5	U H	0.68	5.5
trans-1,3-Dichloropropene	5.5	U H	1.2	5.5
Ethylbenzene	5.5	U H	0.78	5.5
Hexachlorobutadiene	5.5	U H	1.9	5.5
2-Hexanone	11	U H	2.9	11
Isopropylbenzene	5.5	U H	0.82	5.5
4-Isopropyltoluene	5.5 UJ	U H	1.2	5.5
Methylene Chloride	~~2.6~~ 22 UJ	~~J H B~~	1.5	22
methyl isobutyl ketone	5.5 UJ	U H	1.0	5.5
Methyl tert-butyl ether	5.5	U H	0.81	5.5
Naphthalene	5.5	U H	0.65	5.5
N-Propylbenzene	5.5	U H	0.81	5.5
Styrene	5.5	U H	1.4	5.5
1,1,1,2-Tetrachloroethane	5.5	U H	0.72	5.5
1,1,2,2-Tetrachloroethane	5.5	U H	1.1	5.5
Toluene	5.5	U H	0.65	5.5
Tetrachloroethene	5.5	U H	0.81	5.5
Tetrahydrofuran	22	U H	3.1	22
1,2,3-Trichlorobenzene	5.5	U H	1.2	5.5
1,2,4-Trichlorobenzene	5.5	U H	1.4	5.5
1,1,1-Trichloroethane	5.5	U H	0.80	5.5
1,1,2-Trichloroethane	5.5	U H	0.95	5.5
Trichloroethene	5.5	U H	1.1	5.5
Trichlorofluoromethane	5.5	U H	1.0	5.5
1,2,3-Trichloropropane	5.5	U H	1.8	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane	5.5	U H	0.85	5.5
1,2,4-Trimethylbenzene	5.5	U H	1.5	5.5
1,3,5-Trimethylbenzene	5.5	U H	1.1	5.5
Vinyl chloride	5.5	U H	1.4	5.5
m&p-Xylene	5.5	U H	1.7	5.5
o-Xylene	5.5 UJ	U H	1.0	5.5

JAM 1/7/09

JC 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-27 (5-6)

Lab Sample ID: 220-7408-5
Client Matrix: Solid
% Moisture: 18.9
Date Sampled: 12/02/2008 1100
Date Received: 12/05/2008 1600

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/11/2008 1659
Date Prepared: 12/08/2008 1439

Analysis Batch: 220-22775
Prep Batch: 220-22638

Instrument ID: TJA Trace ICAP
Lab File ID: W121108
Initial Weight/Volume: 1.21 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		12.7	U	1.5	12.7
Arsenic		13.7	J	0.79	6.4
Barium		61.3		0.28	2.5
Beryllium		~~0.58~~ 2.5U	~~J~~	0.28	2.5
Cadmium		6.4	U	0.66	6.4
Chromium		468	J	0.36	3.8
Copper		424	J	0.76	6.4
Lead		129	J	0.54	6.4
Cobalt		11.0	J	0.25	2.5
Nickel		87.2	J	0.66	6.4
Selenium		~~4.5~~ 12.7UJ	~~J~~	1.1	12.7
Silver		3.8	U	0.36	3.8
Thallium		~~5.5~~ 8.9UJ	~~J~~	4.0	8.9
Vanadium		41.2		0.23	5.1
Zinc		130		1.9	25.5

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/17/2008 1337
Date Prepared: 12/16/2008 1502

Analysis Batch: 220-22954
Prep Batch: 220-22907

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.075		0.018	0.060

1/8/09 JC 1/7/09 01/08/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-27 (5-6)

Lab Sample ID:	220-7408-5			Date Sampled:	12/02/2008 1100
Client Matrix:	Solid	% Moisture:	18.9	Date Received:	12/05/2008 1600

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-22865		Instrument ID:	HP5890 with FID/NPD
Preparation:	3541	Prep Batch: 220-22689		Lab File ID:	C2648236.d
Dilution:	10			Initial Weight/Volume:	15.07 g
Date Analyzed:	12/13/2008 1627			Final Weight/Volume:	1 mL
Date Prepared:	12/09/2008 1642			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	4400000		150000	150000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	225	*	50 - 150

DW 12/16/09
Pam 01/06/09

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

General Chemistry

Client Sample ID: **SB-25 (15-16)**

Lab Sample ID: 220-7408-4
Client Matrix: Solid

Date Sampled: 12/01/2008 1115
Date Received: 12/05/2008 1600

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Ignitability	Neg		mm/sec	2.2	2.2	1.0	1030
	Anly Batch: 220-22661		Date Analyzed	12/09/2008 1106			DryWt Corrected: N
Temperature	2000		Fahrenheit	1.00	1.00	1.0	1030
	Anly Batch: 220-22661		Date Analyzed	12/09/2008 1106			DryWt Corrected: N
Cyanide, Reactive	0.50	UJ	mg/Kg	0.50	0.50	1.0	9012
	Anly Batch: 220-23001		Date Analyzed	12/18/2008 1016			DryWt Corrected: N
	Prep Batch: 220-22977		Date Prepared:	12/16/2008 1925			
Sulfide, Reactive	20.0	UJ	mg/Kg	20.0	20.0	1.0	9034
	Anly Batch: 220-23003		Date Analyzed	12/18/2008 1145			DryWt Corrected: N
	Prep Batch: 220-23000		Date Prepared:	12/16/2008 1925			
pH	8.19 J	HF	SU	0.100	0.100	1.0	9045C
	Anly Batch: 220-23005		Date Analyzed	12/18/2008 1353			DryWt Corrected: N
Percent Moisture	16.1		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648		Date Analyzed	12/08/2008 1644			
Percent Solids	83.9		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648		Date Analyzed	12/08/2008 1644			

Client Sample ID: **SB-27 (5-6)**

Lab Sample ID: 220-7408-5
Client Matrix: Solid

% Moisture: 18.9

Date Sampled: 12/02/2008 1100
Date Received: 12/05/2008 1600

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Total	0.89	U	mg/Kg	0.89	0.89	1.0	9012A
	Anly Batch: 360-39637		Date Analyzed	12/15/2008 1230			DryWt Corrected: Y
	Prep Batch: 360-39623		Date Prepared:	12/15/2008 1000			
Percent Moisture	18.9		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648		Date Analyzed	12/08/2008 1644			
Percent Solids	81.1		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648		Date Analyzed	12/08/2008 1644			

Analytical Data

Job Number: 220-7408-1
Sdg Number: 220-7408

Client: GEI Consultants, Inc.

Client Sample ID: SB/MW-32 (40)

Lab Sample ID: 220-7408-6
Client Matrix: Solid

% Moisture: 17.6

Date Sampled: 12/03/2008 1045
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 12/10/2008 1350
Date Prepared: 12/05/2008 1754

Analysis Batch: 220-22855
Prep Batch: 220-22599

Run Type: DL

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L1643.D
Initial Weight/Volume: 4.66 g
Final Weight/Volume: 5.85536 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	910 UJ	U H	180	910
Acrylonitrile	370	U H	95	370
Benzene	370	U H	48	370
Bromobenzene	370	U H	44	370
n-Butylbenzene	370 UJ	U H	64	370
sec-Butylbenzene	140 J	J H	56	370
tert-Butylbenzene	370 UJ	U H	51	370
Bromodichloromethane	370	U H	50	370
Bromoform	370	U H	59	370
Bromomethane	370	U H	67	370
Methyl Ethyl Ketone	370 UJ	U H	80	370
Chlorobenzene	240 J	J H	45	370
Carbon disulfide	370 UJ	U H	48	370
Carbon tetrachloride	370	U H	56	370
Chloroethane	370	U H	59	370
Chloroform	370	U H	45	370
Chloromethane	370	U H	47	370
2-Chlorotoluene	370	U H	120	370
4-Chlorotoluene	370	U H	51	370
Dibromochloromethane	370	U H	57	370
1,2-Dibromo-3-Chloropropane	370	U H	42	370
1,2-Dibromoethane	370	U H	37	370
Dibromomethane	370 UJ	U H	52	370
1,2-Dichlorobenzene	360 J	J H	44	370
1,3-Dichlorobenzene	370 UJ	U H	44	370
1,4-Dichlorobenzene	370	U H	45	370
trans-1,4-Dichloro-2-butene	370	U H	180	370
Dichlorodifluoromethane	370	U H *	57	370
1,1-Dichloroethane	370	U H	53	370
1,2-Dichloroethane	370	U H	43	370
1,1-Dichloroethene	370	U H	55	370
cis-1,2-Dichloroethene	370	U H	44	370
trans-1,2-Dichloroethene	370	U H	39	370
1,2-Dichloropropane	370	U H	38	370
1,3-Dichloropropane	370	U H	48	370
2,2-Dichloropropane	370	U H	40	370
1,1-Dichloropropene	370	U H	51	370
cis-1,3-Dichloropropene	370	U H	45	370
trans-1,3-Dichloropropene	370 UJ	U H	45	370
Ethylbenzene	40 J	J H	38	370
Hexachlorobutadiene	370 UJ	U H	73	370
2-Hexanone	370 UJ	U H	95	370
Isopropylbenzene	370 UJ	U H	52	370
4-Isopropyltoluene	190 J	J H	45	370

report only circled compounds

12/31/2008 4/7/09
JC 1/14/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB/MW-32 (40)**

Lab Sample ID: 220-7408-6
Client Matrix: Solid

% Moisture: 17.6

Date Sampled: 12/03/2008 1045
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-22855		Instrument ID:	HP 5890/5971 GC/MS
Preparation:	5035-Medium	Prep Batch: 220-22599		Lab File ID:	L1643.D
Dilution:	1.0			Initial Weight/Volume:	4.66 g
Date Analyzed:	12/10/2008 1350	Run Type: DL		Final Weight/Volume:	5.85536 mL
Date Prepared:	12/05/2008 1754				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~80~~ 370 UJ	~~J H B~~	59	370
methyl isobutyl ketone	370 UJ	U H	60	370
Methyl tert-butyl ether	370 UJ	U H	37	370
Naphthalene	1800 J	H	56	370
N-Propylbenzene	370 UJ	U H	48	370
Styrene	370	U H	59	370
1,1,1,2-Tetrachloroethane	370	U H	63	370
1,1,2,2-Tetrachloroethane	370 UJ	U H	46	370
Toluene	74 J	J H	53	370
Tetrachloroethene	370 UJ	U H	60	370
Tetrahydrofuran	370	U H	120	370
1,2,3-Trichlorobenzene	370	U H	55	370
1,2,4-Trichlorobenzene	370	U H	64	370
1,1,1-Trichloroethane	370	U H	45	370
1,1,2-Trichloroethane	370	U H	50	370
Trichloroethene	370	U H	48	370
Trichlorofluoromethane	370	U H	47	370
1,2,3-Trichloropropane	370	U H	95	370
1,1,2-Trichloro-1,2,2-trifluoroethane	370 UJ	U H	50	370
1,2,4-Trimethylbenzene	1200 J	H	39	370
1,3,5-Trimethylbenzene	510 J	H	39	370
Vinyl chloride	370 UJ	U H	49	370
m&p-Xylene	210 J	J H	95	370
o-Xylene	120 J	J H	60	370

report circled compounds

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77	49 - 134
4-Bromofluorobenzene	92	36 - 133
Dibromofluoromethane	79	60 - 130
Toluene-d8 (Surr)	79	51 - 137

1/7/09

1/28/09

JC 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB/MW-32 (40)**

Lab Sample ID: 220-7408-6
Client Matrix: Solid

% Moisture: 17.6

Date Sampled: 12/03/2008 1045
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/09/2008 2049
Date Prepared: 12/05/2008 1720

Analysis Batch: 220-22741
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8105.D
Initial Weight/Volume: 5.29 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	99 J	H	2.7	23
Acrylonitrile	5.7 UJ	U H	3.6	5.7
Benzene	12 J	H	0.81	5.7
Bromobenzene	5.7 UJ	U H	0.65	5.7
n-Butylbenzene	80 J	H	1.2	5.7
sec-Butylbenzene	140 ~~45~~ J	H	1.4	5.7
tert-Butylbenzene	9.6 J	H	0.70	5.7
Bromodichloromethane	5.7 UJ	U H	0.75	5.7
Bromoform	5.7 UJ	U H	2.0	5.7
Bromomethane	5.7 UJ	U H	1.7	5.7
Methyl Ethyl Ketone	32 J	H	3.9	11
Chlorobenzene	240 ~~200~~ J	H	1.0	5.7
Carbon disulfide	6.8 J	H	0.61	5.7
Carbon tetrachloride	5.7 UJ	U H	0.81	5.7
Chloroethane	5.7	U H	1.5	5.7
Chloroform	5.7	U H	0.61	5.7
Chloromethane	5.7	U H	1.2	5.7
2-Chlorotoluene	5.7	U H	0.96	5.7
4-Chlorotoluene	5.7	U H	1.3	5.7
Dibromochloromethane	5.7	U H	1.2	5.7
1,2-Dibromo-3-Chloropropane	11	U H	1.9	11
1,2-Dibromoethane	5.7	U H	1.4	5.7
Dibromomethane	5.7 UJ	U H	0.77	5.7
1,2-Dichlorobenzene	360 ~~280~~ J	H	1.3	5.7
1,3-Dichlorobenzene	21 J	H	1.3	5.7
1,4-Dichlorobenzene	74 J	H	1.4	5.7
trans-1,4-Dichloro-2-butene	11 UJ	U H	1.9	11
Dichlorodifluoromethane	5.7	U H ?	1.8	5.7
1,1-Dichloroethane	5.7	U H	0.75	5.7
1,2-Dichloroethane	5.7	U H	1.2	5.7
1,1-Dichloroethene	5.7	U H	0.91	5.7
cis-1,2-Dichloroethene	5.7	U H	1.1	5.7
trans-1,2-Dichloroethene	5.7	U H	1.1	5.7
1,2-Dichloropropane	5.7	U H	1.1	5.7
1,3-Dichloropropane	5.7	U H	0.56	5.7
2,2-Dichloropropane	5.7	U H	0.88	5.7
1,1-Dichloropropene	29	U H	0.76	29
cis-1,3-Dichloropropene	5.7	U H	0.71	5.7
trans-1,3-Dichloropropene	5.7 UJ	U H	1.2	5.7
Ethylbenzene	40 ~~32~~ J	H	0.81	5.7
Hexachlorobutadiene	5.7 UJ	U H	2.0	5.7
2-Hexanone	11 UJ	U H	3.0	11
Isopropylbenzene	26 J	H	0.86	5.7
4-Isopropyltoluene	140 ~~69~~ J	H	1.3	5.7

1/20/09 JC 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB/MW-32 (40)**

Lab Sample ID: 220-7408-6
Client Matrix: Solid

% Moisture: 17.6

Date Sampled: 12/03/2008 1045
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/09/2008 2049
Date Prepared: 12/05/2008 1720

Analysis Batch: 220-22741
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 08105.D
Initial Weight/Volume: 5.29 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~9.9~~ 23 UJ	~~U H B~~	1.6	23
methyl isobutyl ketone	5.7 UJ	U H	1.1	5.7
Methyl tert-butyl ether	5.7 UJ	U H	0.85	5.7
Naphthalene	~~280~~ 1600 J	~~E H~~	0.68	5.7
N-Propylbenzene	61 J	H	0.85	5.7
Styrene	5.7 UJ	U H	1.5	5.7
1,1,1,2-Tetrachloroethane	5.7 UJ	U H	0.76	5.7
1,1,2,2-Tetrachloroethane	5.7 UJ	U H	1.2	5.7
Toluene	76 J	H	0.68	5.7
Tetrachloroethene	5.7 UJ	U H	0.85	5.7
Tetrahydrofuran	23	U H	3.3	23
1,2,3-Trichlorobenzene	5.7	U H	1.2	5.7
1,2,4-Trichlorobenzene	5.7	U H	1.4	5.7
1,1,1-Trichloroethane	5.7	U H	0.84	5.7
1,1,2-Trichloroethane	5.7	U H	1.0	5.7
Trichloroethene	5.7	U H	1.1	5.7
Trichlorofluoromethane	5.7	U H	1.1	5.7
1,2,3-Trichloropropane	5.7	U H	1.9	5.7
1,1,2-Trichloro-1,2,2-trifluoroethane	5.7 UJ	U H	0.90	5.7
1,2,4-Trimethylbenzene	~~660~~ 1200 J	~~E H~~	1.6	5.7
1,3,5-Trimethylbenzene	~~270~~ 510 J	~~E H~~	1.1	5.7
Vinyl chloride	5.7 UJ	U H	1.5	5.7
m&p-Xylene	210 ~~120~~ J	H	1.8	5.7
o-Xylene	120 ~~74~~ J	H	1.1	5.7

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	78		49 - 134
4-Bromofluorobenzene	244	*	36 - 133
Dibromofluoromethane	52	*	60 - 130
Toluene-d8 (Surr)	90		51 - 137

1/7/09

1/30/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB/MW-32 (40)

Lab Sample ID: 220-7408-6
Client Matrix: Solid
% Moisture: 17.6
Date Sampled: 12/03/2008 1045
Date Received: 12/05/2008 1600

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/11/2008 1734
Date Prepared: 12/08/2008 1439

Analysis Batch: 220-22775
Prep Batch: 220-22638

Instrument ID: TJA Trace ICAP
Lab File ID: W121108
Initial Weight/Volume: 1.27 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		~~4.8~~ 12.0U	~~J~~	1.4	12.0
Arsenic		~~6.4~~ 6.0UJ	~~J~~	0.74	6.0
Barium		61.9		0.26	2.4
Beryllium		~~0.92~~ 2.4U	~~J~~	0.26	2.4
Cadmium		6.0	U	0.62	6.0
Chromium		159 J		0.33	3.6
Copper		810 J		0.72	6.0
Lead		61.0 J		0.50	6.0
Cobalt		6.7		0.24	2.4
Nickel		30.1 J		0.62	6.0
Selenium		12.0	U	1.1	12.0
Silver		~~0.36~~ 3.6U	~~J~~	0.33	3.6
Thallium		8.4	UJ	3.7	8.4
Vanadium		19.3		0.22	4.8
Zinc		114		1.8	23.9

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/17/2008 1338
Date Prepared: 12/16/2008 1502

Analysis Batch: 220-22954
Prep Batch: 220-22907

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.024~~ 0.059U	~~J~~	0.017	0.059

6/28/09 UC 1/27/09 12/31/2008 01/08/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB/MW-32 (40)**

Lab Sample ID: 220-7408-6
Client Matrix: Solid
% Moisture: 17.6
Date Sampled: 12/03/2008 1045
Date Received: 12/05/2008 1600

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 50
Date Analyzed: 12/16/2008 2152
Date Prepared: 12/09/2008 1642

Analysis Batch: 220-22912
Prep Batch: 220-22689

Instrument ID: HP7890
Lab File ID: DX1003129.D
Initial Weight/Volume: 16.23 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	6800000		720000	720000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	50 - 150

WJ 1/26/09
Alan 01/06/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-33 (2-3)

Lab Sample ID: 220-7408-7
Client Matrix: Solid

% Moisture: 17.5

Date Sampled: 12/03/2008 1400
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/09/2008 2114
Date Prepared: 12/05/2008 1721

Analysis Batch: 220-22741
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 08106.D
Initial Weight/Volume: 5.20 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	170 J	H	2.7	23
Acrylonitrile	5.8 UJ	U H	3.7	5.8
Benzene	5.8 UJ ~~0.93~~ J	J H	0.83	5.8
Bromobenzene	~~5.8~~ R	~~U H~~	0.66	5.8
n-Butylbenzene	39 J	H	1.2	5.8
sec-Butylbenzene	23 J	H	1.4	5.8
tert-Butylbenzene	5.2 UJ ~~3.6 J~~ ~~5.8~~ R	U H	0.71	5.8
Bromodichloromethane	5.8 UJ	U H	0.76	5.8
Bromoform	5.8 UJ	U H	2.0	5.8
Bromomethane	5.8 UJ	U H	1.8	5.8
Methyl Ethyl Ketone	52 J	H	3.9	12
Chlorobenzene	5.8 UJ	U H	1.0	5.8
Carbon disulfide	24 J	H	0.62	5.8
Carbon tetrachloride	5.8 UJ	U H	0.83	5.8
Chloroethane	5.8	U H	1.5	5.8
Chloroform	5.8	U H	0.62	5.8
Chloromethane	5.8 UJ	U H	1.2	5.8
2-Chlorotoluene	~~5.8~~ R	U H	0.98	5.8
4-Chlorotoluene	~~5.8~~ R	U H	1.3	5.8
Dibromochloromethane	5.8 UJ	U H	1.2	5.8
1,2-Dibromo-3-Chloropropane	~~12~~ R	U H	1.9	12
1,2-Dibromoethane	5.8 UJ	U H	1.4	5.8
Dibromomethane	5.8 UJ	U H	0.78	5.8
1,2-Dichlorobenzene	~~5.8~~ R	U H	1.3	5.8
1,3-Dichlorobenzene	~~5.8~~ R	U H	1.3	5.8
1,4-Dichlorobenzene	~~5.8~~ R	U H	1.4	5.8
trans-1,4-Dichloro-2-butene	~~12~~ R	U H	1.9	12
Dichlorodifluoromethane	5.8 UJ	U H f	1.8	5.8
1,1-Dichloroethane	5.8	U H	0.76	5.8
1,2-Dichloroethane	5.8	U H	1.3	5.8
1,1-Dichloroethene	5.8	U H	0.92	5.8
cis-1,2-Dichloroethene	5.8	U H	1.1	5.8
trans-1,2-Dichloroethene	5.8	U H	1.1	5.8
1,2-Dichloropropane	5.8	U H	1.1	5.8
1,3-Dichloropropane	5.8	U H	0.57	5.8
2,2-Dichloropropane	5.8	U H	0.90	5.8
1,1-Dichloropropene	29	U H	0.77	29
cis-1,3-Dichloropropene	5.8	U H	0.72	5.8
trans-1,3-Dichloropropene	5.8 UJ	U H	1.2	5.8
Ethylbenzene	5.8 UJ ~~1.4~~ J	J H	0.83	5.8
Hexachlorobutadiene	~~5.8~~ R	U H	2.1	5.8
2-Hexanone	12 UJ	U H	3.1	12
Isopropylbenzene	6.5 J	H	0.87	5.8
4-Isopropyltoluene	20 J	H	1.3	5.8

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-33 (2-3)**

Lab Sample ID: 220-7408-7
Client Matrix: Solid

% Moisture: 17.5

Date Sampled: 12/03/2008 1400
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/09/2008 2114
Date Prepared: 12/05/2008 1721

Analysis Batch: 220-22741
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8106.D
Initial Weight/Volume: 5.20 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride		~~3.5~~ 1.4 UJ	~~JHB~~	1.6	23
methyl isobutyl ketone		5.8 UJ	UH	1.1	5.8
Methyl tert-butyl ether		5.8 UJ	UH	0.86	5.8
Naphthalene		26 J	H	0.69	5.8
N-Propylbenzene		8.8 J	H	0.86	5.8
Styrene		5.8 UJ	UH	1.5	5.8
1,1,1,2-Tetrachloroethane		5.8 UJ	UH	0.77	5.8
1,1,2,2-Tetrachloroethane		~~5.8~~ R	UH	1.2	5.8
Toluene	5.8 UJ	~~2.5~~ J	JH	0.69	5.8
Tetrachloroethene		5.8 UJ	UH	0.86	5.8
Tetrahydrofuran		23 UJ	UH	3.3	23
1,2,3-Trichlorobenzene		~~5.8~~ R	UH	1.2	5.8
1,2,4-Trichlorobenzene		~~5.8~~ R	UH	1.5	5.8
1,1,1-Trichloroethane		5.8 UJ	UH	0.85	5.8
1,1,2-Trichloroethane		5.8 U	UH	1.0	5.8
Trichloroethene		5.8 U	UH	1.2	5.8
Trichlorofluoromethane		5.8 UJ	UH	1.1	5.8
1,2,3-Trichloropropane		~~5.8~~ R	UH	1.9	5.8
1,1,2-Trichloro-1,2,2-trifluoroethane		5.8 UJ	UH	0.91	5.8
1,2,4-Trimethylbenzene		32 J	H	1.6	5.8
1,3,5-Trimethylbenzene		17 J	H	1.1	5.8
Vinyl chloride		5.8 UJ	UH	1.5	5.8
m&p-Xylene	5.8 UJ	~~2.1~~ J	JH	1.8	5.8
o-Xylene	5.8 UJ	~~4.6~~ J	JH	1.1	5.8

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	49 - 134
4-Bromofluorobenzene	284 *	36 - 133
Dibromofluoromethane	78	60 - 130
Toluene-d8 (Surr)	93	51 - 137

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-33 (2-3)**

Lab Sample ID: 220-7408-7
Client Matrix: Solid
% Moisture: 17.5
Date Sampled: 12/03/2008 1400
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/10/2008 1523
Date Prepared: 12/05/2008 1721

Analysis Batch: 220-22845
Prep Batch: 220-22598
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 08118.D
Initial Weight/Volume: 5.82 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	310 J	E H	2.4	21
Acrylonitrile	5.2 UJ	U H	3.3	5.2
Benzene	1.0 J	J H	0.74	5.2
Bromobenzene	~~5.2~~ R	U H	0.59	5.2
n-Butylbenzene	~~5.2~~ R	U H	1.1	5.2
sec-Butylbenzene	21 J	H	1.3	5.2
tert-Butylbenzene	5.2 UJ ~~3.6 J~~	J H	0.64	5.2
Bromodichloromethane	~~5.2~~ UJ	U H	0.68	5.2
Bromoform	5.2 UJ	U H	1.8	5.2
Bromomethane	5.2 UJ	U H	1.6	5.2
Methyl Ethyl Ketone	120 J	H	3.5	10
Chlorobenzene	5.2 UJ	U H	0.92	5.2
Carbon disulfide	86 J	H	0.55	5.2
Carbon tetrachloride	5.2 UJ	U H	0.74	5.2
Chloroethane	5.2	U H	1.3	5.2
Chloroform	5.2	U H	0.55	5.2
Chloromethane	5.2 UJ	U H	1.1	5.2
2-Chlorotoluene	~~5.2~~ R	U H	0.87	5.2
4-Chlorotoluene	~~5.2~~ R	U H	1.2	5.2
Dibromochloromethane	5.2 UJ	U H	1.1	5.2
1,2-Dibromo-3-Chloropropane	~~10~~ R	U H	1.7	10
1,2-Dibromoethane	5.2 UJ	U H	1.3	5.2
Dibromomethane	5.2 UJ	U H	0.70	5.2
1,2-Dichlorobenzene	~~5.2~~ R	U H	1.1	5.2
1,3-Dichlorobenzene	~~5.2~~ R	U H	1.2	5.2
1,4-Dichlorobenzene	~~5.2~~ R	U H	1.3	5.2
trans-1,4-Dichloro-2-butene	~~10~~ R	U H	1.7	10
Dichlorodifluoromethane	5.2 UJ	U H	1.6	5.2
1,1-Dichloroethane	5.2	U H	0.68	5.2
1,2-Dichloroethane	5.2	U H	1.1	5.2
1,1-Dichloroethene	5.2	U H	0.82	5.2
cis-1,2-Dichloroethene	5.2	U H	0.98	5.2
trans-1,2-Dichloroethene	5.2	U H	1.0	5.2
1,2-Dichloropropane	5.2	U H	1.0	5.2
1,3-Dichloropropane	5.2	U H	0.51	5.2
2,2-Dichloropropane	5.2	U H	0.80	5.2
1,1-Dichloropropene	26	U H	0.69	26
cis-1,3-Dichloropropene	5.2	U H	0.65	5.2
trans-1,3-Dichloropropene	5.2 UJ	U H	1.1	5.2
Ethylbenzene	1.4 J	J H	0.74	5.2
Hexachlorobutadiene	~~5.2~~ R	U H	1.8	5.2
2-Hexanone	10 UJ	U H	2.7	10
Isopropylbenzene	6.5 J	H	0.78	5.2
4-Isopropyltoluene	~~5.2~~ R	U H	1.2	5.2

report only circled results

JAM 1/7/09

1/28/09

JC 1/24/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-33 (2-3)**

Lab Sample ID: 220-7408-7
Client Matrix: Solid

% Moisture: 17.5

Date Sampled: 12/03/2008 1400
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/10/2008 1523
Date Prepared: 12/05/2008 1721

Analysis Batch: 220-22845
Prep Batch: 220-22598
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8118.D
Initial Weight/Volume: 5.82 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~3.0~~ 21 UJ	~~J HB~~	1.5	21
methyl isobutyl ketone	5.2 UJ	U H	0.98	5.2
Methyl tert-butyl ether	5.2 UJ	U H	0.77	5.2
Naphthalene	~~5.2~~ R	U H	0.61	5.2
N-Propylbenzene	~~5.2~~ R	U H	0.77	5.2
Styrene	5.2 UJ	U H	1.3	5.2
1,1,1,2-Tetrachloroethane	5.2 UJ	U H	0.69	5.2
1,1,2,2-Tetrachloroethane	~~5.2~~ R	U H	1.1	5.2
Toluene	2.5 J	J H	0.61	5.2
Tetrachloroethene	5.2 UJ	U H	0.77	5.2
Tetrahydrofuran	21 UJ	U H	3.0	21
1,2,3-Trichlorobenzene	~~5.2~~ R	U H	1.1	5.2
1,2,4-Trichlorobenzene	~~5.2~~ R	U H	1.3	5.2
1,1,1-Trichloroethane	5.2 UJ	U H	0.76	5.2
1,1,2-Trichloroethane	5.2	U H	0.91	5.2
Trichloroethene	5.2	U H	1.0	5.2
Trichlorofluoromethane	5.2 UJ	U H	0.98	5.2
1,2,3-Trichloropropane	~~5.2~~ R	U H	1.7	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2 UJ	U H	0.81	5.2
1,2,4-Trimethylbenzene	~~5.2~~ R	U H	1.4	5.2
1,3,5-Trimethylbenzene	4.8 J	J H	1.0	5.2
Vinyl chloride	5.2 UJ	U H	1.4	5.2
m&p-Xylene	1.9 J	J H	1.6	5.2
o-Xylene	3.8 J	J H	0.98	5.2

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		49 - 134
4-Bromofluorobenzene	1240	E*	36 - 133
Dibromofluoromethane	92		60 - 130
Toluene-d8 (Surr)	115		51 - 137

JAM 1/7/09

JC 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-33 (2-3)

Lab Sample ID: 220-7408-7
Client Matrix: Solid

% Moisture: 17.5

Date Sampled: 12/03/2008 1400
Date Received: 12/05/2008 1600

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 5.0
Date Analyzed: 12/16/2008 1814
Date Prepared: 12/08/2008 1439

Analysis Batch: 220-22931
Prep Batch: 220-22638

Instrument ID: TJA Trace ICAP
Lab File ID: W121608
Initial Weight/Volume: 1.25 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		60.6	U	7.3	60.6
Arsenic		~~12.3~~ 30.3	~~J~~ UJ	3.8	30.3
Barium		171		1.3	12.1
Beryllium		12.1	U	1.3	12.1
Cadmium		30.3	U	3.2	30.3
Chromium		411	J	1.7	18.2
Copper		2500	J	3.6	30.3
Lead		998	J	2.5	30.3
Cobalt		~~12.0~~ 12.0	~~J~~ U	1.2	12.1
Nickel		99.7	J	3.2	30.3
Selenium		60.6	U	5.6	60.6
Silver		18.2	U	1.7	18.2
Thallium		42.4	UJ	18.8	42.4
Vanadium		38.8		1.1	24.2
Zinc		698		9.1	121

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/17/2008 1339
Date Prepared: 12/16/2008 1502

Analysis Batch: 220-22954
Prep Batch: 220-22907

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.64 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.70		0.017	0.057

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-33 (2-3)

Lab Sample ID: 220-7408-7
Client Matrix: Solid
% Moisture: 17.5
Date Sampled: 12/03/2008 1400
Date Received: 12/05/2008 1600

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 100
Date Analyzed: 12/16/2008 1733
Date Prepared: 12/10/2008 1052

Analysis Batch: 220-22912
Prep Batch: 220-22704

Instrument ID: HP7890
Lab File ID: DX1003116.D
Initial Weight/Volume: 15.40 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	13000000		1400000	1400000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	0	50 - 150

JW 1/30/09
JAM 01/06/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-34 (14-15)**

Lab Sample ID: 220-7408-8
Client Matrix: Solid

% Moisture: 19.3

Date Sampled: 12/03/2008 1445
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/09/2008 2139
Date Prepared: 12/05/2008 1722

Analysis Batch: 220-22741
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8107.D
Initial Weight/Volume: 5.94 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	21 UJ*	U H	2.4	21
Acrylonitrile	5.2	U H	3.3	5.2
Benzene	5.2	U H	0.74	5.2
Bromobenzene	5.2	U H	0.59	5.2
n-Butylbenzene	5.2	U H	1.1	5.2
sec-Butylbenzene	5.2	U H	1.3	5.2
tert-Butylbenzene	5.2	U H	0.64	5.2
Bromodichloromethane	5.2	U H	0.68	5.2
Bromoform	5.2	U H	1.8	5.2
Bromomethane	5.2	U H	1.6	5.2
Methyl Ethyl Ketone	10	U H	3.5	10
Chlorobenzene	5.2	U H	0.92	5.2
Carbon disulfide	5.2	U H	0.55	5.2
Carbon tetrachloride	5.2	U H	0.74	5.2
Chloroethane	5.2	U H	1.3	5.2
Chloroform	5.2	U H	0.55	5.2
Chloromethane	5.2	U H	1.1	5.2
2-Chlorotoluene	5.2	U H	0.88	5.2
4-Chlorotoluene	5.2	U H	1.2	5.2
Dibromochloromethane	5.2	U H	1.1	5.2
1,2-Dibromo-3-Chloropropane	10	U H	1.7	10
1,2-Dibromoethane	5.2	U H	1.3	5.2
Dibromomethane	5.2	U H	0.70	5.2
1,2-Dichlorobenzene	5.2	U H	1.1	5.2
1,3-Dichlorobenzene	5.2	U H	1.2	5.2
1,4-Dichlorobenzene	5.2	U H	1.3	5.2
trans-1,4-Dichloro-2-butene	10	U H	1.7	10
Dichlorodifluoromethane	5.2	U H	1.6	5.2
1,1-Dichloroethane	5.2	U H	0.68	5.2
1,2-Dichloroethane	5.2	U H	1.1	5.2
1,1-Dichloroethene	5.2	U H	0.82	5.2
cis-1,2-Dichloroethene	5.2	U H	0.96	5.2
trans-1,2-Dichloroethene	5.2	U H	1.0	5.2
1,2-Dichloropropane	5.2	U H	1.0	5.2
1,3-Dichloropropane	5.2	U H	0.51	5.2
2,2-Dichloropropane	5.2	U H	0.80	5.2
1,1-Dichloropropene	26	U H	0.69	26
cis-1,3-Dichloropropene	5.2	U H	0.65	5.2
trans-1,3-Dichloropropene	5.2	U H	1.1	5.2
Ethylbenzene	5.2	U H	0.74	5.2
Hexachlorobutadiene	5.2	U H	1.8	5.2
2-Hexanone	10	U H	2.8	10
Isopropylbenzene	5.2	U H	0.78	5.2
4-Isopropyltoluene	5.2 UJ	U H	1.2	5.2

MM 1/7/09

JC 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-34 (14-15)**

Lab Sample ID: 220-7408-8
Client Matrix: Solid
% Moisture: 19.3

Date Sampled: 12/03/2008 1445
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/09/2008 2139
Date Prepared: 12/05/2008 1722

Analysis Batch: 220-22741
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8107.D
Initial Weight/Volume: 5.94 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~1.9~~ 21 UJ	~~JHB~~	1.5	21
methyl isobutyl ketone	5.2 UJ	U H	0.98	5.2
Methyl tert-butyl ether	5.2	U H	0.77	5.2
Naphthalene	5.2	U H	0.62	5.2
N-Propylbenzene	5.2	U H	0.77	5.2
Styrene	5.2	U H	1.3	5.2
1,1,1,2-Tetrachloroethane	5.2	U H	0.69	5.2
1,1,2,2-Tetrachloroethane	5.2	U H	1.1	5.2
Toluene	5.2	U H	0.62	5.2
Tetrachloroethene	5.2	U H	0.77	5.2
Tetrahydrofuran	21	U H	3.0	21
1,2,3-Trichlorobenzene	5.2	U H	1.1	5.2
1,2,4-Trichlorobenzene	5.2	U H	1.3	5.2
1,1,1-Trichloroethane	5.2	U H	0.76	5.2
1,1,2-Trichloroethane	5.2	U H	0.91	5.2
Trichloroethene	5.2	U H	1.0	5.2
Trichlorofluoromethane	5.2	U H	0.99	5.2
1,2,3-Trichloropropane	5.2	U H	1.7	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U H	0.81	5.2
1,2,4-Trimethylbenzene	5.2	U H	1.4	5.2
1,3,5-Trimethylbenzene	5.2	U H	1.0	5.2
Vinyl chloride	5.2	U H	1.4	5.2
m&p-Xylene	5.2	U H	1.6	5.2
o-Xylene	5.2 UJ	U H	0.98	5.2

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	71	49 - 134
4-Bromofluorobenzene	82	36 - 133
Dibromofluoromethane	72	60 - 130
Toluene-d8 (Surr)	90	51 - 137

JM 1/7/09

JC 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-34 (14-15)

Lab Sample ID: 220-7408-8
Client Matrix: Solid
% Moisture: 19.3
Date Sampled: 12/03/2008 1445
Date Received: 12/05/2008 1600

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/16/2008 1819
Date Prepared: 12/08/2008 1439

Analysis Batch: 220-22931
Prep Batch: 220-22638

Instrument ID: TJA Trace ICAP
Lab File ID: W121608
Initial Weight/Volume: 1.10 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		14.1	U	1.7	14.1
Arsenic		~~2.6~~ 7.0UJ	~~J~~	0.87	7.0
Barium		48.4		0.31	2.8
Beryllium		~~0.87~~ 2.0U	~~J~~	0.31	2.8
Cadmium		7.0	U	0.73	7.0
Chromium		16.7 J		0.39	4.2
Copper		22.0 J		0.84	7.0
Lead		7.5 J		0.59	7.0
Cobalt		10.1		0.28	2.8
Nickel		17.7 J		0.73	7.0
Selenium		14.1	U	1.3	14.1
Silver		4.2	U	0.39	4.2
Thallium		9.9	UJ	4.4	9.9
Vanadium		29.5		0.25	5.6
Zinc		49.0		2.1	28.2

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/17/2008 1340
Date Prepared: 12/16/2008 1502

Analysis Batch: 220-22954
Prep Batch: 220-22907

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.061	U	0.018	0.061

6/18/09 JC 1/27/09 01/08/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-34 (14-15)

Lab Sample ID: 220-7408-8
Client Matrix: Solid
% Moisture: 19.3
Date Sampled: 12/03/2008 1445
Date Received: 12/05/2008 1600

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 1.0
Date Analyzed: 12/16/2008 1753
Date Prepared: 12/10/2008 1052

Analysis Batch: 220-22912
Prep Batch: 220-22704

Instrument ID: HP7890
Lab File ID: DX1003117.D
Initial Weight/Volume: 15.14 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	15000	U	15000	15000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	98	50 - 150

12/26/09
JAM 01/06/09

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

General Chemistry

Client Sample ID: SB/MW-32 (40)

Lab Sample ID: 220-7408-6
Client Matrix: Solid
% Moisture: 17.6
Date Sampled: 12/03/2008 1045
Date Received: 12/05/2008 1600

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Total	1.0	U ✓	mg/Kg	1.0	1.0	1.0	9012A
	Anly Batch: 360-39637	Date Analyzed		12/15/2008 1233			DryWt Corrected: Y
	Prep Batch: 360-39623	Date Prepared:		12/15/2008 1000			
Percent Moisture	17.6		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			
Percent Solids	82.4		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			

Client Sample ID: SB-33 (2-3)

Lab Sample ID: 220-7408-7
Client Matrix: Solid
% Moisture: 17.5
Date Sampled: 12/03/2008 1400
Date Received: 12/05/2008 1600

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Total	0.93	U ✓	mg/Kg	0.93	0.93	1.0	9012A
	Anly Batch: 360-39637	Date Analyzed		12/15/2008 1234			DryWt Corrected: Y
	Prep Batch: 360-39623	Date Prepared:		12/15/2008 1000			
Percent Moisture	17.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			
Percent Solids	82.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			

Client Sample ID: SB-34 (14-15)

Lab Sample ID: 220-7408-8
Client Matrix: Solid
% Moisture: 19.3
Date Sampled: 12/03/2008 1445
Date Received: 12/05/2008 1600

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Total	0.97	U ✓	mg/Kg	0.97	0.97	1.0	9012A
	Anly Batch: 360-39637	Date Analyzed		12/15/2008 1235			DryWt Corrected: Y
	Prep Batch: 360-39623	Date Prepared:		12/15/2008 1000			
Percent Moisture	19.3		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			
Percent Solids	80.7		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			

Jam 01/08/09

JC 1/27/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-35 (5-6)**

Lab Sample ID: 220-7408-9
Client Matrix: Solid

% Moisture: 7.3

Date Sampled: 12/03/2008 1515
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/09/2008 2204
Date Prepared: 12/05/2008 1724

Analysis Batch: 220-22741
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8108.D
Initial Weight/Volume: 3.12 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	35 UJ	U H	4.0	35
Acrylonitrile	8.6	U H	5.5	8.6
Benzene	8.6	U H	1.2	8.6
Bromobenzene	8.6	U H	0.99	8.6
n-Butylbenzene	8.6	U H	1.8	8.6
sec-Butylbenzene	8.6	U H	2.1	8.6
tert-Butylbenzene	8.6	U H	1.1	8.6
Bromodichloromethane	8.6	U H	1.1	8.6
Bromoform	8.6	U H	3.0	8.6
Bromomethane	8.6	U H	2.6	8.6
Methyl Ethyl Ketone	17	U H	5.8	17
Chlorobenzene	8.6	U H	1.5	8.6
Carbon disulfide	8.6	U H	0.92	8.6
Carbon tetrachloride	8.6	U H	1.2	8.6
Chloroethane	8.6	U H	2.2	8.6
Chloroform	8.6	U H	0.92	8.6
Chloromethane	8.6	U H	1.7	8.6
2-Chlorotoluene	8.6	U H	1.5	8.6
4-Chlorotoluene	8.6	U H	2.0	8.6
Dibromochloromethane	8.6	U H	1.9	8.6
1,2-Dibromo-3-Chloropropane	17	U H	2.9	17
1,2-Dibromoethane	8.6	U H	2.1	8.6
Dibromomethane	8.6	U H	1.2	8.6
1,2-Dichlorobenzene	8.6	U H	1.9	8.6
1,3-Dichlorobenzene	8.6	U H	2.0	8.6
1,4-Dichlorobenzene	8.6	U H	2.1	8.6
trans-1,4-Dichloro-2-butene	17	U H	2.9	17
Dichlorodifluoromethane	8.6	U H	2.7	8.6
1,1-Dichloroethane	8.6	U H	1.1	8.6
1,2-Dichloroethane	8.6	U H	1.9	8.6
1,1-Dichloroethene	8.6	U H	1.4	8.6
cis-1,2-Dichloroethene	8.6	U H	1.6	8.6
trans-1,2-Dichloroethene	8.6	U H	1.7	8.6
1,2-Dichloropropane	8.6	U H	1.7	8.6
1,3-Dichloropropane	8.6	U H	0.85	8.6
2,2-Dichloropropane	8.6	U H	1.3	8.6
1,1-Dichloropropene	43	U H	1.1	43
cis-1,3-Dichloropropene	8.6	U H	1.1	8.6
trans-1,3-Dichloropropene	8.6	U H	1.9	8.6
Ethylbenzene	8.6	U H	1.2	8.6
Hexachlorobutadiene	8.6	U H	3.1	8.6
2-Hexanone	17	U H	4.6	17
Isopropylbenzene	8.6	U H	1.3	8.6
4-Isopropyltoluene	8.6 UJ	U H	1.9	8.6

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-35 (5-6)**

Lab Sample ID: 220-7408-9
Client Matrix: Solid

% Moisture: 7.3

Date Sampled: 12/03/2008 1515
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/09/2008 2204
Date Prepared: 12/05/2008 1724

Analysis Batch: 220-22741
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8108.D
Initial Weight/Volume: 3.12 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~52~~ 35 U J	~~J H B~~	2.4	35
methyl isobutyl ketone	8.6 U J	U H	1.6	8.6
Methyl tert-butyl ether	8.6	U H	1.3	8.6
Naphthalene	8.6	U H	1.0	8.6
N-Propylbenzene	8.6	U H	1.3	8.6
Styrene	8.6	U H	2.2	8.6
1,1,1,2-Tetrachloroethane	8.6	U H	1.1	8.6
1,1,2,2-Tetrachloroethane	8.6 U J	U H	1.8	8.6
Toluene	8.6 U ~~1.4 J~~	J H	1.0	8.6
Tetrachloroethene	8.6 U J	U H	1.3	8.6
Tetrahydrofuran	35	U H	5.0	35
1,2,3-Trichlorobenzene	8.6	U H	1.8	8.6
1,2,4-Trichlorobenzene	8.6	U H	2.2	8.6
1,1,1-Trichloroethane	8.6	U H	1.3	8.6
1,1,2-Trichloroethane	8.6	U H	1.5	8.6
Trichloroethene	8.6	U H	1.7	8.6
Trichlorofluoromethane	8.6	U H	1.6	8.6
1,2,3-Trichloropropane	8.6	U H	2.8	8.6
1,1,2-Trichloro-1,2,2-trifluoroethane	8.6	U H	1.3	8.6
1,2,4-Trimethylbenzene	8.6	U H	2.4	8.6
1,3,5-Trimethylbenzene	8.6	U H	1.7	8.6
Vinyl chloride	8.6	U H	2.2	8.6
m&p-Xylene	8.6	U H	2.7	8.6
o-Xylene	8.6 U J	U H	1.6	8.6

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	78	49 - 134
4-Bromofluorobenzene	85	36 - 133
Dibromofluoromethane	71	60 - 130
Toluene-d8 (Surr)	89	51 - 137

1/28/09

1/7/09

1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-35 (5-6)

Lab Sample ID: 220-7408-9
Client Matrix: Solid

% Moisture: 7.3

Date Sampled: 12/03/2008 1515
Date Received: 12/05/2008 1600

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/16/2008 1824
Date Prepared: 12/08/2008 1439

Analysis Batch: 220-22931
Prep Batch: 220-22638

Instrument ID: TJA Trace ICAP
Lab File ID: W121608
Initial Weight/Volume: 1.41 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		9.6	U	1.1	9.6
Arsenic		~~4.0~~ 4.8 UJ	~~J~~	0.59	4.8
Barium		56.3		0.21	1.9
Beryllium		~~0.46~~ 1.9 U	~~J~~	0.21	1.9
Cadmium		4.8	U	0.50	4.8
Chromium		93.3 J		0.27	2.9
Copper		30.0 J		0.57	4.8
Lead		7.9 J		0.40	4.8
Cobalt		5.5		0.19	1.9
Nickel		24.0 J		0.50	4.8
Selenium		9.6	U	0.86	9.6
Silver		~~0.69~~ 2.9 U	~~J~~	0.27	2.9
Thallium		6.7	UJ	3.0	6.7
Vanadium		24.5		0.17	3.8
Zinc		36.4		1.4	19.1

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/17/2008 1341
Date Prepared: 12/16/2008 1502

Analysis Batch: 220-22954
Prep Batch: 220-22907

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.080		0.016	0.054

JC 1/27/09

01/28/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-35 (5-6)**

Lab Sample ID: 220-7408-9
Client Matrix: Solid
% Moisture: 7.3

Date Sampled: 12/03/2008 1515
Date Received: 12/05/2008 1600

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 10
Date Analyzed: 12/13/2008 1817
Date Prepared: 12/10/2008 1052

Analysis Batch: 220-22865
Prep Batch: 220-22704

Instrument ID: HP5890 with FID/NPD
Lab File ID: C2548240.d
Initial Weight/Volume: 15.42 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	1100000		130000	130000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	132	50 - 150

W 12/26/09
Jan 01/06/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-37 (3.5-4.5)**

Lab Sample ID: 220-7408-10
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 12/04/2008 1115
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/10/2008 2048
Date Prepared: 12/05/2008 1725

Analysis Batch: 220-22845
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: C8131.D
Initial Weight/Volume: 5.82 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	22	U	2.6	22
Acrylonitrile	5.5	U	3.5	5.5
Benzene	5.5	U	0.79	5.5
Bromobenzene	5.5	U	0.63	5.5
n-Butylbenzene	5.5	U	1.1	5.5
sec-Butylbenzene	5.5	U	1.3	5.5
tert-Butylbenzene	5.5	U	0.68	5.5
Bromodichloromethane	5.5	U	0.72	5.5
Bromoform	5.5	U	1.9	5.5
Bromomethane	5.5	U	1.7	5.5
Methyl Ethyl Ketone	11	U	3.7	11
Chlorobenzene	5.5	U	0.98	5.5
Carbon disulfide	5.5	U	0.59	5.5
Carbon tetrachloride	5.5	U	0.79	5.5
Chloroethane	5.5	U	1.4	5.5
Chloroform	5.5	U	0.59	5.5
Chloromethane	5.5	U	1.1	5.5
2-Chlorotoluene	5.5	U	0.93	5.5
4-Chlorotoluene	5.5	U	1.3	5.5
Dibromochloromethane	5.5	U	1.2	5.5
1,2-Dibromo-3-Chloropropane	11	U	1.8	11
1,2-Dibromoethane	5.5	U	1.4	5.5
Dibromomethane	5.5	U	0.74	5.5
1,2-Dichlorobenzene	5.5	U	1.2	5.5
1,3-Dichlorobenzene	5.5	U	1.3	5.5
1,4-Dichlorobenzene	5.5	U	1.4	5.5
trans-1,4-Dichloro-2-butene	11	U	1.9	11
Dichlorodifluoromethane	5.5	U	1.7	5.5
1,1-Dichloroethane	5.5	U	0.72	5.5
1,2-Dichloroethane	5.5	U	1.2	5.5
1,1-Dichloroethene	5.5	U	0.88	5.5
cis-1,2-Dichloroethene	5.5	U	1.0	5.5
trans-1,2-Dichloroethene	5.5	U	1.1	5.5
1,2-Dichloropropane	5.5	U	1.1	5.5
1,3-Dichloropropane	5.5	U	0.54	5.5
2,2-Dichloropropane	5.5	U	0.85	5.5
1,1-Dichloropropene	28	U	0.73	28
cis-1,3-Dichloropropene	5.5	U	0.69	5.5
trans-1,3-Dichloropropene	5.5	U	1.2	5.5
Ethylbenzene	5.5	U	0.79	5.5
Hexachlorobutadiene	5.5	U	2.0	5.5
2-Hexanone	11	U	2.9	11
Isopropylbenzene	5.5	U	0.83	5.5
4-Isopropyltoluene	5.5	U	1.2	5.5

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-37 (3.5-4.5)**

Lab Sample ID: 220-7408-10
Client Matrix: Solid
% Moisture: 22.5

Date Sampled: 12/04/2008 1115
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/10/2008 2048
Date Prepared: 12/05/2008 1725

Analysis Batch: 220-22845
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 08131.D
Initial Weight/Volume: 5.82 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~2.8~~ 1.2	~~J B~~ U	1.6	22
methyl isobutyl ketone	5.5	U	1.0	5.5
Methyl tert-butyl ether	5.5	U	0.82	5.5
Naphthalene	5.5	U	0.65	5.5
N-Propylbenzene	5.5	U	0.82	5.5
Styrene	5.5	U	1.4	5.5
1,1,1,2-Tetrachloroethane	5.5	U	0.73	5.5
1,1,2,2-Tetrachloroethane	5.5	U	1.2	5.5
Toluene	5.5	U	0.65	5.5
Tetrachloroethene	5.5	U	0.82	5.5
Tetrahydrofuran	22	UJ	3.2	22
1,2,3-Trichlorobenzene	5.5	U	1.2	5.5
1,2,4-Trichlorobenzene	5.5	U	1.4	5.5
1,1,1-Trichloroethane	5.5	U	0.81	5.5
1,1,2-Trichloroethane	5.5	U	0.96	5.5
Trichloroethene	5.5	U	1.1	5.5
Trichlorofluoromethane	5.5	U	1.1	5.5
1,2,3-Trichloropropane	5.5	U	1.8	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane	5.5	U	0.86	5.5
1,2,4-Trimethylbenzene	5.5	U	1.5	5.5
1,3,5-Trimethylbenzene	5.5	U	1.1	5.5
Vinyl chloride	5.5	U	1.4	5.5
m&p-Xylene	5.5	U	1.7	5.5
o-Xylene	5.5	U	1.0	5.5

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85	49 - 134
4-Bromofluorobenzene	93	36 - 133
Dibromofluoromethane	80	60 - 130
Toluene-d8 (Surr)	93	51 - 137

12/31/2008 01/07/09
JC 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-37 (3.5-4.5)

Lab Sample ID: 220-7408-10
Client Matrix: Solid
% Moisture: 22.5
Date Sampled: 12/04/2008 1115
Date Received: 12/05/2008 1600

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/16/2008 1829
Date Prepared: 12/08/2008 1439

Analysis Batch: 220-22931
Prep Batch: 220-22838

Instrument ID: TJA Trace ICAP
Lab File ID: W121608
Initial Weight/Volume: 1.12 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		14.4	U	1.7	14.4
Arsenic		8.3 J		0.89	7.2
Barium		50.8		0.32	2.9
Beryllium		~~0.77~~ 2.9U	~~J~~	0.32	2.9
Cadmium		~~0.82~~ 7.2U	~~J~~	0.75	7.2
Chromium		17.2 J		0.40	4.3
Copper		51.3 J		0.86	7.2
Lead		54.4 J		0.60	7.2
Cobalt		4.8		0.29	2.9
Nickel		15.5 J		0.75	7.2
Selenium		~~1.8~~ 14.4U	~~J~~	1.3	14.4
Silver		4.3	U	0.40	4.3
Thallium		10.1	UJ	4.5	10.1
Vanadium		29.9		0.26	5.8
Zinc		118		2.2	28.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/17/2008 1345
Date Prepared: 12/16/2008 1502

Analysis Batch: 220-22964
Prep Batch: 220-22907

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.056~~ 0.063U	~~J~~	0.019	0.063

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-37 (3.5-4.5)**

Lab Sample ID: 220-7408-10
Client Matrix: Solid
% Moisture: 22.5
Date Sampled: 12/04/2008 1115
Date Received: 12/05/2008 1600

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 1.0
Date Analyzed: 12/16/2008 1814
Date Prepared: 12/10/2008 1052

Analysis Batch: 220-22912
Prep Batch: 220-22704

Instrument ID: HP7890
Lab File ID: DX1003118.D
Initial Weight/Volume: 15.84 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	71000		15000	15000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	97	50 - 150

JW 12/26/08
JAM 01/06/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-38 (7-9)**

Lab Sample ID: 220-7408-11
Client Matrix: Solid

% Moisture: 2.5

Date Sampled: 12/04/2008 1130
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/10/2008 2113
Date Prepared: 12/05/2008 1727

Analysis Batch: 220-22845
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 08132.D
Initial Weight/Volume: 2.99 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	34	U	4.0	34
Acrylonitrile	8.6	U	5.5	8.6
Benzene	8.6	U	1.2	8.6
Bromobenzene	8.6	U	0.98	8.6
n-Butylbenzene	8.6	UJ	1.8	8.6
sec-Butylbenzene	8.6	U	2.1	8.6
tert-Butylbenzene	8.6	U	1.0	8.6
Bromodichloromethane	8.6	U	1.1	8.6
Bromoform	8.6	U	3.0	8.6
Bromomethane	8.6	UJ	2.6	8.6
Methyl Ethyl Ketone	17	U	5.8	17
Chlorobenzene	8.6	U	1.5	8.6
Carbon disulfide	8.6	U	0.91	8.6
Carbon tetrachloride	8.6	U	1.2	8.6
Chloroethane	8.6	U	2.2	8.6
Chloroform	8.6	U	0.91	8.6
Chloromethane	8.6	U	1.7	8.6
2-Chlorotoluene	8.6	U	1.4	8.6
4-Chlorotoluene	8.6	U	2.0	8.6
Dibromochloromethane	8.6	U	1.8	8.6
1,2-Dibromo-3-Chloropropane	17	U	2.8	17
1,2-Dibromoethane	8.6	U	2.1	8.6
Dibromomethane	8.6	U	1.1	8.6
1,2-Dichlorobenzene	8.6	U	1.9	8.6
1,3-Dichlorobenzene	8.6	U	2.0	8.6
1,4-Dichlorobenzene	8.6	U	2.1	8.6
trans-1,4-Dichloro-2-butene	17	U	2.9	17
Dichlorodifluoromethane	8.6	UJ	2.7	8.6
1,1-Dichloroethane	8.6	U	1.1	8.6
1,2-Dichloroethane	8.6	U	1.9	8.6
1,1-Dichloroethene	8.6	U	1.4	8.6
cis-1,2-Dichloroethene	8.6	U	1.6	8.6
trans-1,2-Dichloroethene	8.6	U	1.6	8.6
1,2-Dichloropropane	8.6	U	1.7	8.6
1,3-Dichloropropane	8.6	U	0.84	8.6
2,2-Dichloropropane	8.6	U	1.3	8.6
1,1-Dichloropropene	43	U	1.1	43
cis-1,3-Dichloropropene	8.6	U	1.1	8.6
trans-1,3-Dichloropropene	8.6	U	1.8	8.6
Ethylbenzene	8.6	U	1.2	8.6
Hexachlorobutadiene	8.6	U	3.0	8.6
2-Hexanone	17	U	4.5	17
Isopropylbenzene	8.6	U	1.3	8.6
4-Isopropyltoluene	8.6	U	1.9	8.6

JC 1/26/09

01/07/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-38 (7-9)**

Lab Sample ID: 220-7408-11
Client Matrix: Solid
% Moisture: 2.5

Date Sampled: 12/04/2008 1130
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/10/2008 2113
Date Prepared: 12/05/2008 1727

Analysis Batch: 220-22845
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8132.D
Initial Weight/Volume: 2.99 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~62~~ 34 U	~~J B~~	2.4	34
methyl isobutyl ketone	8.6	U	1.6	8.6
Methyl tert-butyl ether	8.6	U	1.3	8.6
Naphthalene	8.6	U	1.0	8.6
N-Propylbenzene	8.6	U	1.3	8.6
Styrene	8.6	U	2.2	8.6
1,1,1,2-Tetrachloroethane	8.6	U	1.1	8.6
1,1,2,2-Tetrachloroethane	8.6	U	1.8	8.6
Toluene	8.6 UJ ~~2.0~~	~~J~~	1.0	8.6
Tetrachloroethene	8.6	U	1.3	8.6
Tetrahydrofuran	34	UJ	4.9	34
1,2,3-Trichlorobenzene	8.6	U	1.8	8.6
1,2,4-Trichlorobenzene	8.6	U	2.2	8.6
1,1,1-Trichloroethane	8.6	U	1.3	8.6
1,1,2-Trichloroethane	8.6	U	1.5	8.6
Trichloroethene	8.6	U	1.7	8.6
Trichlorofluoromethane	8.6	U	1.6	8.6
1,2,3-Trichloropropane	8.6	U	2.8	8.6
1,1,2-Trichloro-1,2,2-trifluoroethane	8.6	U	1.3	8.6
1,2,4-Trimethylbenzene	11		2.4	8.6
1,3,5-Trimethylbenzene	8.6 UJ ~~5.1~~	~~J~~	1.6	8.6
Vinyl chloride	8.6	U	2.2	8.6
m&p-Xylene	8.6	U	2.7	8.6
o-Xylene	8.6	U	1.6	8.6

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	49 - 134
4-Bromofluorobenzene	124	36 - 133
Dibromofluoromethane	103	60 - 130
Toluene-d8 (Surr)	126	51 - 137

JBM 1/07/09

JV 1/28/09 JC 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-38 (7-9)

Lab Sample ID: 220-7408-11
Client Matrix: Solid

% Moisture: 2.5

Date Sampled: 12/04/2008 1130
Date Received: 12/05/2008 1600

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/16/2008 1834
Date Prepared: 12/08/2008 1439

Analysis Batch: 220-22931
Prep Batch: 220-22638

Instrument ID: TJA Trace ICAP
Lab File ID: W121608
Initial Weight/Volume: 1.12 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		11.5	U	1.4	11.5
Arsenic		~~0.78~~ 5.7UJ	~~J~~	0.71	5.7
Barium		34.5		0.25	2.3
Beryllium		~~0.41~~ 2.3U	~~J~~	0.25	2.3
Cadmium		5.7	U	0.60	5.7
Chromium		10	J	0.32	3.4
Copper		10.9	J	0.69	5.7
Lead		~~3.5~~ ~~J~~ 5.7UJ		0.48	5.7
Cobalt		3.6		0.23	2.3
Nickel		6.9	J	0.60	5.7
Selenium		11.5	U	1.0	11.5
Silver		3.4	U	0.32	3.4
Thallium		8.0	UJ	3.6	8.0
Vanadium		13.5		0.21	4.6
Zinc		24.7		1.7	22.9

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/17/2008 1346
Date Prepared: 12/16/2008 1502

Analysis Batch: 220-22954
Prep Batch: 220-22907

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.050	U	0.015	0.050

6/28/09 JC 1/27/09 01/08/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-38 (7-9)**

Lab Sample ID:	220-7408-11			Date Sampled:	12/04/2008 1130
Client Matrix:	Solid	% Moisture:	2.5	Date Received:	12/05/2008 1600

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-22812		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-22704		Lab File ID:	DX1003119.D
Dilution:	1.0			Initial Weight/Volume:	15.31 g
Date Analyzed:	12/16/2008 1835			Final Weight/Volume:	1 mL
Date Prepared:	12/10/2008 1052			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	12000	U	12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	84	50 - 150

JR 12/16/09

Jam 01/06/09

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

General Chemistry

Client Sample ID: **SB-35 (5-6)**

Lab Sample ID: 220-7408-9
Client Matrix: Solid
% Moisture: 7.3
Date Sampled: 12/03/2008 1515
Date Received: 12/05/2008 1600

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Total	3.4 ✓		mg/Kg	0.83	0.83	1.0	9012A
	Anly Batch: 360-39637	Date Analyzed		12/15/2008 1236			DryWt Corrected: Y
	Prep Batch: 360-39623	Date Prepared:		12/15/2008 1000			
Percent Moisture	7.34		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			
Percent Solids	92.7		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			

Client Sample ID: **SB-37 (3.5-4.5)**

Lab Sample ID: 220-7408-10
Client Matrix: Solid
% Moisture: 22.5
Date Sampled: 12/04/2008 1115
Date Received: 12/05/2008 1600

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Total	1.1	U ✓	mg/Kg	1.1	1.1	1.0	9012A
	Anly Batch: 360-39637	Date Analyzed		12/15/2008 1237			DryWt Corrected: Y
	Prep Batch: 360-39623	Date Prepared:		12/15/2008 1000			
Percent Moisture	22.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			
Percent Solids	77.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			

Client Sample ID: **SB-38 (7-9)**

Lab Sample ID: 220-7408-11
Client Matrix: Solid
% Moisture: 2.5
Date Sampled: 12/04/2008 1130
Date Received: 12/05/2008 1600

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Total	0.68	U ✓	mg/Kg	0.68	0.68	1.0	9012A
	Anly Batch: 360-39637	Date Analyzed		12/15/2008 1238			DryWt Corrected: Y
	Prep Batch: 360-39623	Date Prepared:		12/15/2008 1000			
Percent Moisture	2.55		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			
Percent Solids	97.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			

fm 01/08/09

JC 1/27/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-39 (8-9)**

Lab Sample ID: 220-7408-12
Client Matrix: Solid

% Moisture: 26.9

Date Sampled: 12/04/2008 1345
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/10/2008 2138
Date Prepared: 12/05/2008 1727

Analysis Batch: 220-22845
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8133.D
Initial Weight/Volume: 4.13 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		410 J	~~E~~	3.9	33
Acrylonitrile		8.3	UJ	5.3	8.3
Benzene		22 J		1.2	8.3
Bromobenzene	430U	~~8.3~~ ~~R~~	~~U~~	0.94	8.3
n-Butylbenzene	430U	~~8.3~~ ~~R~~	~~U~~	1.7	8.3
sec-Butylbenzene		69 J		2.0	8.3
tert-Butylbenzene	430U	~~8.3~~ ~~R~~	~~U~~	1.0	8.3
Bromodichloromethane		8.3	U J	1.1	8.3
Bromoform		8.3	U J	2.9	8.3
Bromomethane		8.3	UJ	2.5	8.3
Methyl Ethyl Ketone		17	U J	5.6	17
Chlorobenzene	8.3UJ	~~6.9~~	~~J~~	1.5	8.3
Carbon disulfide		93 J		0.88	8.3
Carbon tetrachloride		8.3	U J	1.2	8.3
Chloroethane		8.3	U	2.1	8.3
Chloroform		8.3	U	0.88	8.3
Chloromethane		8.3	U J	1.7	8.3
2-Chlorotoluene	430U	~~8.3~~ ~~R~~	~~U~~	1.4	8.3
4-Chlorotoluene	430U	~~8.3~~ ~~R~~	~~U~~	1.9	8.3
Dibromochloromethane		8.3	U J	1.8	8.3
1,2-Dibromo-3-Chloropropane	430U	~~17~~ ~~R~~	~~U~~	2.7	17
1,2-Dibromoethane		8.3	UJ	2.1	8.3
Dibromomethane		8.3	U J	1.1	8.3
1,2-Dichlorobenzene		120 J		1.8	8.3
1,3-Dichlorobenzene	430U	~~8.3~~ ~~R~~	~~U~~	1.9	8.3
1,4-Dichlorobenzene		26 J		2.0	8.3
trans-1,4-Dichloro-2-butene	430U	~~17~~ ~~R~~	~~U~~	2.8	17
Dichlorodifluoromethane		8.3	UJ	2.6	8.3
1,1-Dichloroethane		8.3	U	1.1	8.3
1,2-Dichloroethane		8.3	U	1.8	8.3
1,1-Dichloroethene		8.3	U	1.3	8.3
cis-1,2-Dichloroethene		8.3	U	1.5	8.3
trans-1,2-Dichloroethene		8.3	U	1.6	8.3
1,2-Dichloropropane		8.3	U	1.6	8.3
1,3-Dichloropropane		8.3	U	0.81	8.3
2,2-Dichloropropane		8.3	U	1.3	8.3
1,1-Dichloropropene		41	U	1.1	41
cis-1,3-Dichloropropene		8.3	U	1.0	8.3
trans-1,3-Dichloropropene		8.3	UJ	1.8	8.3
Ethylbenzene		36 J		1.2	8.3
Hexachlorobutadiene	430U	~~8.3~~ ~~R~~	~~U~~	2.9	8.3
2-Hexanone		17	UJ	4.4	17
Isopropylbenzene		31 J		1.2	8.3
4-Isopropyltoluene		120 J		1.8	8.3

01/07/09

1/26/09

1/28/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-39 (8-9)

Lab Sample ID: 220-7408-12
Client Matrix: Solid
% Moisture: 26.9

Date Sampled: 12/04/2008 1345
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/10/2008 2138
Date Prepared: 12/05/2008 1727

Analysis Batch: 220-22845
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 08133.D
Initial Weight/Volume: 4.13 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride		~~2.4~~ 330 J	~~J B~~	2.3	33
methyl isobutyl ketone		8.3	U J	1.6	8.3
Methyl tert-butyl ether		8.3	U J	1.2	8.3
Naphthalene		350 J	~~E~~	0.98	8.3
N-Propylbenzene		74 J		1.2	8.3
Styrene		8.3	U J	2.1	8.3
1,1,1,2-Tetrachloroethane		8.3	U J	1.1	8.3
1,1,2,2-Tetrachloroethane	430U	~~8.3~~ R	~~U~~	1.7	8.3
Toluene		49 J		0.98	8.3
Tetrachloroethene		8.3	U J	1.2	8.3
Tetrahydrofuran		33	U J	4.8	33
1,2,3-Trichlorobenzene	430U	~~8.3~~ R	~~U~~	1.8	8.3
1,2,4-Trichlorobenzene	430U	~~8.3~~ R	~~U~~	2.1	8.3
1,1,1-Trichloroethane		8.3	U J	1.2	8.3
1,1,2-Trichloroethane		8.3	U J	1.4	8.3
Trichloroethene		8.3	U J	1.6	8.3
Trichlorofluoromethane		8.3	U J	1.6	8.3
1,2,3-Trichloropropane	430U	~~8.3~~ R	~~U~~	2.7	8.3
1,1,2-Trichloro-1,2,2-trifluoroethane		8.3	U J	1.3	8.3
1,2,4-Trimethylbenzene		~~610~~ 100 J	~~E~~	2.3	8.3
1,3,5-Trimethylbenzene		300 J		1.6	8.3
Vinyl chloride		8.3	U J	2.2	8.3
m&p-Xylene		78 J		2.6	8.3
o-Xylene		48 J		1.6	8.3

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	74		49 - 134
4-Bromofluorobenzene	235	*	36 - 133
Dibromofluoromethane	41	*	60 - 130
Toluene-d8 (Surr)	65		51 - 137

01/07/09

6/28/09 JK 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-39 (8-9)

Lab Sample ID: 220-7408-12
Client Matrix: Solid

% Moisture: 26.9

Date Sampled: 12/04/2008 1345
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 12/11/2008 2359
Date Prepared: 12/05/2008 1756

Analysis Batch: 220-22843
Prep Batch: 220-22599
Run Type: DL

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L1712.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 6.345 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	1100	U	210	1100
Acrylonitrile	430	U	110	430
Benzene	430	U	57	430
Bromobenzene	430	U	52	430
n-Butylbenzene	430	U	76	430
sec-Butylbenzene	430	U	66	430
tert-Butylbenzene	430	U	61	430
Bromodichloromethane	430	U	60	430
Bromoform	430	U	69	430
Bromomethane	430	U	80	430
Methyl Ethyl Ketone	430	U	95	430
Chlorobenzene	430	U	54	430
Carbon disulfide	430	U	57	430
Carbon tetrachloride	430	U	67	430
Chloroethane	430	U	69	430
Chloroform	430	U	54	430
Chloromethane	430	U	56	430
2-Chlorotoluene	430	U	140	430
4-Chlorotoluene	430	U	61	430
Dibromochloromethane	430	U	68	430
1,2-Dibromo-3-Chloropropane	430	U	50	430
1,2-Dibromoethane	430	U	43	430
Dibromomethane	430	U	62	430
1,2-Dichlorobenzene	430	U	52	430
1,3-Dichlorobenzene	430	U	52	430
1,4-Dichlorobenzene	430	U	54	430
trans-1,4-Dichloro-2-butene	430	U	210	430
Dichlorodifluoromethane	430	U	68	430
1,1-Dichloroethane	430	U	63	430
1,2-Dichloroethane	430	U	51	430
1,1-Dichloroethene	430	U	65	430
cis-1,2-Dichloroethene	430	U	52	430
trans-1,2-Dichloroethene	430	U	46	430
1,2-Dichloropropane	430	U	45	430
1,3-Dichloropropane	430	U	57	430
2,2-Dichloropropane	430	U	48	430
1,1-Dichloropropene	430	U	61	430
cis-1,3-Dichloropropene	430	U	53	430
trans-1,3-Dichloropropene	430	U	54	430
Ethylbenzene	430	U	45	430
Hexachlorobutadiene	430	U	87	430
2-Hexanone	430	U	110	430
Isopropylbenzene	430	U	62	430
4-Isopropyltoluene	430	U	53	430

Report only circled compound results

01/07/09

1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-39 (8-9)**

Lab Sample ID: 220-7408-12
Client Matrix: Solid

% Moisture: 26.9

Date Sampled: 12/04/2008 1345
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 12/11/2008 2359
Date Prepared: 12/05/2008 1756

Analysis Batch: 220-22843
Prep Batch: 220-22599
Run Type: DL

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L1712.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 6.345 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~440~~ 4300	~~J B~~	70	430
methyl isobutyl ketone	430	U	71	430
Methyl tert-butyl ether	430	U	43	430
Naphthalene	430	U	67	430
N-Propylbenzene	430	U	56	430
Styrene	430	U	69	430
1,1,1,2-Tetrachloroethane	430	U	75	430
1,1,2,2-Tetrachloroethane	430	U	57	430
Toluene	430	U	63	430
Tetrachloroethene	430	U	71	430
Tetrahydrofuran	430	U	150	430
1,2,3-Trichlorobenzene	430	U	65	430
1,2,4-Trichlorobenzene	430	U	76	430
1,1,1-Trichloroethane	430	U	54	430
1,1,2-Trichloroethane	430	U	59	430
Trichloroethene	430	U	56	430
Trichlorofluoromethane	430	U	56	430
1,2,3-Trichloropropane	430	U	110	430
1,1,2-Trichloro-1,2,2-trifluoroethane	430	U	60	430
1,2,4-Trimethylbenzene	180 J	J	47	430
1,3,5-Trimethylbenzene	87	J	46	430
Vinyl chloride	430	U	58	430
m&p-Xylene	430	U	110	430
o-Xylene	430	U	71	430

Report only circled compound results

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	49 - 134
4-Bromofluorobenzene	110	36 - 133
Dibromofluoromethane	98	60 - 130
Toluene-d8 (Surr)	101	51 - 137

JBM 01/07/09

JC 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-39 (8-9)

Lab Sample ID: 220-7408-12
Client Matrix: Solid

% Moisture: 28.9

Date Sampled: 12/04/2008 1345
Date Received: 12/05/2008 1600

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 5.0
Date Analyzed: 12/16/2008 1839
Date Prepared: 12/08/2008 1439

Analysis Batch: 220-22931
Prep Batch: 220-22638

Instrument ID: TJA Trace ICAP
Lab File ID: W121608
Initial Weight/Volume: 1.26 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		67.9	U	8.1	67.9
Arsenic		~~46.9~~ 33.9	UJ	4.2	33.9
Barium		84.7		1.5	13.6
Beryllium		13.6	U	1.5	13.6
Cadmium		33.9	U	3.5	33.9
Chromium		2110	J	1.9	20.4
Copper		1470	J	4.1	33.9
Lead		630	J	2.9	33.9
Cobalt		20.8	J	1.4	13.6
Nickel		304	J	3.5	33.9
Selenium		~~7.4~~ 67.9	UJ	6.1	67.9
Silver		20.4	U	1.9	20.4
Thallium		47.5	UJ	21.0	47.5
Vanadium		106		1.2	27.1
Zinc		351		10.2	136

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/17/2008 1347
Date Prepared: 12/16/2008 1502

Analysis Batch: 220-22954
Prep Batch: 220-22907

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.18		0.020	0.067

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-39 (8-9)

Lab Sample ID: 220-7408-12
Client Matrix: Solid
% Moisture: 26.9

Date Sampled: 12/04/2008 1345
Date Received: 12/05/2008 1600

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 100
Date Analyzed: 12/19/2008 1934
Date Prepared: 12/10/2008 1052

Analysis Batch: 220-23064
Prep Batch: 220-22704

Instrument ID: HP7890
Lab File ID: DX1003194.D
Initial Weight/Volume: 15.75 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	68000000		3100000	3100000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	0	50 - 150

1/26/09

01/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-41 (7-8)**

Lab Sample ID: 220-7408-13
Client Matrix: Solid

% Moisture: 16.5

Date Sampled: 12/04/2008 1429
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/10/2008 2203
Date Prepared: 12/05/2008 1730

Analysis Batch: 220-22845
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: Q8134.D
Initial Weight/Volume: 4.97 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	230 J		2.8	24
Acrylonitrile	6.0	U	3.8	6.0
Benzene	~~8.9~~ 6.0	U ~~J~~	0.86	6.0
Bromobenzene	6.0	UJ	0.69	6.0
n-Butylbenzene	~~1.6~~ 6.0	UJ ~~J~~	1.2	6.0
sec-Butylbenzene	~~1.9~~ 6.0	UJ ~~J~~	1.5	6.0
tert-Butylbenzene	6.0	UJ	0.74	6.0
Bromodichloromethane	6.0	U	0.78	6.0
Bromoform	6.0	U	2.1	6.0
Bromomethane	6.0	UJ	1.8	6.0
Methyl Ethyl Ketone	70 J		4.0	12
Chlorobenzene	6.0	U	1.1	6.0
Carbon disulfide	~~2.1~~ 6.0	U ~~J~~	0.64	6.0
Carbon tetrachloride	6.0	U	0.86	6.0
Chloroethane	6.0	U	1.5	6.0
Chloroform	6.0	U	0.64	6.0
Chloromethane	6.0	U	1.2	6.0
2-Chlorotoluene	6.0	UJ	1.0	6.0
4-Chlorotoluene	6.0	UJ	1.4	6.0
Dibromochloromethane	6.0	U	1.3	6.0
1,2-Dibromo-3-Chloropropane	12	UJ	2.0	12
1,2-Dibromoethane	6.0	U	1.5	6.0
Dibromomethane	6.0	U	0.81	6.0
1,2-Dichlorobenzene	6.0	UJ	1.3	6.0
1,3-Dichlorobenzene	6.0	UJ	1.4	6.0
1,4-Dichlorobenzene	6.0	UJ	1.5	6.0
trans-1,4-Dichloro-2-butene	12	UJ	2.0	12
Dichlorodifluoromethane	6.0	U	1.9	6.0
1,1-Dichloroethane	6.0	U	0.78	6.0
1,2-Dichloroethane	6.0	U	1.3	6.0
1,1-Dichloroethene	6.0	U	0.95	6.0
cis-1,2-Dichloroethene	6.0	U	1.1	6.0
trans-1,2-Dichloroethene	6.0	U	1.2	6.0
1,2-Dichloropropane	6.0	U	1.2	6.0
1,3-Dichloropropane	6.0	U	0.59	6.0
2,2-Dichloropropane	6.0	U	0.93	6.0
1,1-Dichloropropene	30	U	0.80	30
cis-1,3-Dichloropropene	6.0	U	0.75	6.0
trans-1,3-Dichloropropene	6.0	U	1.3	6.0
Ethylbenzene	~~3.3~~ 6.0	U ~~J~~	0.86	6.0
Hexachlorobutadiene	6.0	UJ	2.1	6.0
2-Hexanone	12	U	3.2	12
Isopropylbenzene	~~1.9~~ 6.0	UJ ~~J~~	0.90	6.0
4-Isopropyltoluene	~~9.5~~ 6.0	UJ ~~J~~	1.3	6.0

01/07/09

06/28/09

1/26/09

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-41 (7-8)**

Lab Sample ID: *220-7408-13*
Client Matrix: Solid

% Moisture: 16.5

Date Sampled: 12/04/2008 1429
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/10/2008 2203
Date Prepared: 12/05/2008 1730

Analysis Batch: 220-22845
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8134.D
Initial Weight/Volume: 4.97 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~2.7~~ 24 U	~~J B~~	1.7	24
methyl isobutyl ketone	6.0	U	1.1	6.0
Methyl tert-butyl ether	6.0	U	0.89	6.0
Naphthalene	29 J		0.71	6.0
N-Propylbenzene	~~3.1~~ 6.0 UJ	~~J~~	0.89	6.0
Styrene	6.0	U	1.6	6.0
1,1,1,2-Tetrachloroethane	6.0	U	0.80	6.0
1,1,2,2-Tetrachloroethane	6.0	U J	1.3	6.0
Toluene	~~5.9~~ 6.0 U	~~J~~	0.71	6.0
Tetrachloroethene	6.0	U	0.89	6.0
Tetrahydrofuran	24	UJ	3.5	24
1,2,3-Trichlorobenzene	6.0	U J	1.3	6.0
1,2,4-Trichlorobenzene	6.0	U J	1.5	6.0
1,1,1-Trichloroethane	6.0	U	0.88	6.0
1,1,2-Trichloroethane	6.0	U	1.0	6.0
Trichloroethene	6.0	U	1.2	6.0
Trichlorofluoromethane	6.0	U	1.1	6.0
1,2,3-Trichloropropane	6.0	UJ	2.0	6.0
1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	U	0.94	6.0
1,2,4-Trimethylbenzene	13 J		1.7	6.0
1,3,5-Trimethylbenzene	7.2 J		1.2	6.0
Vinyl chloride	6.0	U	1.6	6.0
m&p-Xylene	~~4.8~~ 6.0 U	~~J~~	1.9	6.0
o-Xylene	~~3.5~~ 6.0 U	~~J~~	1.1	6.0

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		49 - 134
4-Bromofluorobenzene	158	*	36 - 133
Dibromofluoromethane	81		60 - 130
Toluene-d8 (Surr)	116		51 - 137

01/08/09 JC 1/26/09 01/07/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-41 (7-8)**

Lab Sample ID: 220-7408-13
Client Matrix: Solid

% Moisture: 16.5

Date Sampled: 12/04/2008 1429
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/11/2008 1616
Date Prepared: 12/05/2008 1730

Analysis Batch: 220-22847
Prep Batch: 220-22598
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8151.D
Initial Weight/Volume: 4.24 g
Final Weight/Volume: 5 mL

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	49 - 134
4-Bromofluorobenzene	168 *	36 - 133
Dibromofluoromethane	87	60 - 130
Toluene-d8 (Surr)	118	51 - 137

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/11/2008 1616
Date Prepared: 12/05/2008 1730

Analysis Batch: 220-22847
Prep Batch: 220-22598
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8151.D
Initial Weight/Volume: 4.24 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	310 J	E	3.3	28
Acrylonitrile	7.1	U	4.5	7.1
Benzene	3.0	J	1.0	7.1
Bromobenzene	7.1	U J	0.81	7.1
n-Butylbenzene	7.1	U J	1.4	7.1
sec-Butylbenzene	2.2	J	1.7	7.1
tert-Butylbenzene	7.1	U J	0.86	7.1
Bromodichloromethane	7.1	U	0.92	7.1
Bromoform	7.1	U	2.4	7.1
Bromomethane	7.1	U	2.1	7.1
Methyl Ethyl Ketone	81 J		4.7	14
Chlorobenzene	7.1	U	1.2	7.1
Carbon disulfide	2.3	J	0.75	7.1
Carbon tetrachloride	7.1	U	1.0	7.1
Chloroethane	7.1	U	1.8	7.1
Chloroform	7.1	U	0.75	7.1
Chloromethane	7.1	U	1.4	7.1
2-Chlorotoluene	7.1	U J	1.2	7.1
4-Chlorotoluene	7.1	U J	1.6	7.1
Dibromochloromethane	7.1	U	1.5	7.1
1,2-Dibromo-3-Chloropropane	14	U J	2.3	14
1,2-Dibromoethane	7.1	U	1.8	7.1
Dibromomethane	7.1	U	0.95	7.1
1,2-Dichlorobenzene	1.8	J	1.6	7.1
1,3-Dichlorobenzene	7.1	U J	1.6	7.1
1,4-Dichlorobenzene	7.1	U J	1.7	7.1
trans-1,4-Dichloro-2-butene	14	U J	2.4	14
Dichlorodifluoromethane	7.1	U *	2.2	7.1
1,1-Dichloroethane	7.1	U	0.92	7.1
1,2-Dichloroethane	7.1	U	1.5	7.1

do not report

01/07/09

1/06/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-41 (7-8)

Lab Sample ID: 220-7408-13
Client Matrix: Solid

% Moisture: 16.5

Date Sampled: 12/04/2008 1429
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/11/2008 1616
Date Prepared: 12/05/2008 1730

Analysis Batch: 220-22847
Prep Batch: 220-22598
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8151.D
Initial Weight/Volume: 4.24 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethene	7.1	U	1.1	7.1
cis-1,2-Dichloroethene	7.1	U	1.3	7.1
trans-1,2-Dichloroethene	7.1	U	1.4	7.1
1,2-Dichloropropane	7.1	U	1.4	7.1
1,3-Dichloropropane	7.1	U	0.69	7.1
2,2-Dichloropropane	7.1	U	1.1	7.1
1,1-Dichloropropene	35	U	0.93	35
cis-1,3-Dichloropropene	7.1	U	0.88	7.1
trans-1,3-Dichloropropene	7.1	U	1.5	7.1
Ethylbenzene	3.3	J	1.0	7.1
Hexachlorobutadiene	7.1	U J	2.5	7.1
2-Hexanone	14	U	3.7	14
Isopropylbenzene	1.8	J	1.1	7.1
4-Isopropyltoluene	3.7	J	1.6	7.1
Methylene Chloride	~~3.3~~ 28 U	~~J B~~	2.0	28
methyl isobutyl ketone	7.1	U	1.3	7.1
Methyl tert-butyl ether	7.1	U	1.0	7.1
Naphthalene	15 J		0.83	7.1
N-Propylbenzene	3.0	J	1.0	7.1
Styrene	7.1	U *	1.8	7.1
1,1,1,2-Tetrachloroethane	7.1	U	0.93	7.1
1,1,2,2-Tetrachloroethane	7.1	U J	1.5	7.1
Toluene	5.2	J	0.83	7.1
Tetrachloroethene	7.1	U	1.0	7.1
Tetrahydrofuran	28	U	4.1	28
1,2,3-Trichlorobenzene	7.1	U J	1.5	7.1
1,2,4-Trichlorobenzene	7.1	U J	1.8	7.1
1,1,1-Trichloroethane	7.1	U	1.0	7.1
1,1,2-Trichloroethane	7.1	U	1.2	7.1
Trichloroethene	7.1	U	1.4	7.1
Trichlorofluoromethane	7.1	U	1.3	7.1
1,2,3-Trichloropropane	7.1	U J	2.3	7.1
1,1,2-Trichloro-1,2,2-trifluoroethane	7.1	U	1.1	7.1
1,2,4-Trimethylbenzene	13 J		2.0	7.1
1,3,5-Trimethylbenzene	7.8 J		1.4	7.1
Vinyl chloride	7.1	U	1.8	7.1
m&p-Xylene	4.6	J	2.2	7.1
o-Xylene	3.7	J	1.3	7.1

do not report

JAM 01/07/09

JC 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-41 (7-8)

Lab Sample ID: 220-7408-13
Client Matrix: Solid

% Moisture: 16.5

Date Sampled: 12/04/2008 1429
Date Received: 12/05/2008 1600

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 5.0
Date Analyzed: 12/16/2008 1844
Date Prepared: 12/08/2008 1439

Analysis Batch: 220-22931
Prep Batch: 220-22638

Instrument ID: TJA Trace ICAP
Lab File ID: W121608
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		70.6	U	8.5	70.6
Arsenic		~~12.4~~ 35.3UJ	~~J~~	4.4	35.3
Barium		52.4		1.6	14.1
Beryllium		14.1	U	1.6	14.1
Cadmium		35.3	U	3.7	35.3
Chromium		581 J		2.0	21.2
Copper		588 J		4.2	35.3
Lead		122 J		3.0	35.3
Cobalt		~~43.6~~ 14.1U	~~J~~	1.4	14.1
Nickel		119 J		3.7	35.3
Selenium		70.6	U	6.4	70.6
Silver		21.2	U	2.0	21.2
Thallium		49.4	UJ	21.9	49.4
Vanadium		~~27.0~~ 28.3U	~~J~~	1.3	28.3
Zinc		242		10.6	141

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/17/2008 1348
Date Prepared: 12/16/2008 1502

Analysis Batch: 220-22954
Prep Batch: 220-22907

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.14		0.017	0.058

VW 01/08/09 JC 1/27/09 [illegible] 01/08/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-41 (7-8)**

Lab Sample ID: 220-7408-13
Client Matrix: Solid
% Moisture: 16.6
Date Sampled: 12/04/2008 1420
Date Received: 12/05/2008 1600

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 20
Date Analyzed: 12/18/2008 1602
Date Prepared: 12/10/2008 1052

Analysis Batch: 220-23013
Prep Batch: 220-22704

Instrument ID: HP7890
Lab File ID: DX1003142.D
Initial Weight/Volume: 15.78 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	6300000		270000	270000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	50 - 150

12/26/08
Jam 01/06/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-43 (10-12)**

Lab Sample ID: 220-7408-14
Client Matrix: Solid

% Moisture: 16.5

Date Sampled: 12/04/2008 1515
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/10/2008 2228
Date Prepared: 12/05/2008 1731

Analysis Batch: 220-22845
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 08135.D
Initial Weight/Volume: 5.14 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	51 J		2.7	23
Acrylonitrile	5.8	UJ	3.7	5.8
Benzene	~~2.1~~ 5.8UJ	~~J~~	0.83	5.8
Bromobenzene	5.8	UJ	0.66	5.8
n-Butylbenzene	~~29~~ 150J		1.2	5.8
sec-Butylbenzene	~~17~~ 63J		1.4	5.8
tert-Butylbenzene	~~3.4~~ 5.8UJ	~~J~~	0.71	5.8
Bromodichloromethane	5.8	UJ	0.76	5.8
Bromoform	5.8	U	2.0	5.8
Bromomethane	5.8	U	1.8	5.8
Methyl Ethyl Ketone	12	UJ	3.9	12
Chlorobenzene	~~410~~ 3100	~~E~~	1.0	5.8
Carbon disulfide	~~2.8~~ 5.8UJ	~~J~~	0.62	5.8
Carbon tetrachloride	5.8	UJ	0.83	5.8
Chloroethane	5.8	U	1.5	5.8
Chloroform	5.8	U	0.62	5.8
Chloromethane	5.8	U	1.2	5.8
2-Chlorotoluene	5.8	U	0.98	5.8
4-Chlorotoluene	5.8	U	1.3	5.8
Dibromochloromethane	5.8	U	1.2	5.8
1,2-Dibromo-3-Chloropropane	12	U	1.9	12
1,2-Dibromoethane	5.8	U	1.4	5.8
Dibromomethane	5.8	UJ	0.78	5.8
1,2-Dichlorobenzene	~~2100~~ 11,000	~~E~~	1.3	5.8
1,3-Dichlorobenzene	~~37~~ 190J		1.3	5.8
1,4-Dichlorobenzene	~~238~~ 1200	~~E~~	1.4	5.8
trans-1,4-Dichloro-2-butene	12	UJ	1.9	12
Dichlorodifluoromethane	5.8	UJ	1.8	5.8
1,1-Dichloroethane	5.8	U	0.76	5.8
1,2-Dichloroethane	5.8	U	1.3	5.8
1,1-Dichloroethene	5.8	UJ	0.92	5.8
cis-1,2-Dichloroethene	~~46~~ 790		1.1	5.8
trans-1,2-Dichloroethene	10 J		1.1	5.8
1,2-Dichloropropane	~~4.1~~ 5.8UJ	~~J~~	1.1	5.8
1,3-Dichloropropane	5.8	UJ	0.57	5.8
2,2-Dichloropropane	5.8	U	0.90	5.8
1,1-Dichloropropene	29	U	0.77	29
cis-1,3-Dichloropropene	5.8	U	0.72	5.8
trans-1,3-Dichloropropene	5.8	UJ	1.2	5.8
Ethylbenzene	~~5.8~~ 5.8UJ	~~U~~	0.83	5.8
Hexachlorobutadiene	5.8	UJ	2.1	5.8
2-Hexanone	12	UJ	3.1	12
Isopropylbenzene	27 J		0.87	5.8
4-Isopropyltoluene	30 J		1.3	5.8

6/26/09 JC 1/24/09 01/07/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-43 (10-12)

Lab Sample ID: 220-7408-14
Client Matrix: Solid

% Moisture: 16.5

Date Sampled: 12/04/2008 1515
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/10/2008 2228
Date Prepared: 12/05/2008 1731

Analysis Batch: 220-22845
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 08135.D
Initial Weight/Volume: 5.14 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~3.8~~ 23 UJ	JB	1.6	23
methyl isobutyl ketone	5.8	UJ	1.1	5.8
Methyl tert-butyl ether	5.8	UJ	0.86	5.8
Naphthalene	~~470~~ 1500 J		0.69	5.8
N-Propylbenzene	~~73~~ 210 J		0.86	5.8
Styrene	5.8	UJ	1.5	5.8
1,1,1,2-Tetrachloroethane	5.8	UJ	0.77	5.8
1,1,2,2-Tetrachloromethane	5.8	UJ	1.2	5.8
Toluene	~~3.3~~ 5.8 UJ	J	0.69	5.8
Tetrachloroethene	~~9.2~~ 160 J		0.86	5.8
Tetrahydrofuran	23	UJ	3.3	23
1,2,3-Trichlorobenzene	~~12~~ 710		1.2	5.8
1,2,4-Trichlorobenzene	~~30~~ 870		1.5	5.8
1,1,1-Trichloroethane	5.8	UJ	0.86	5.8
1,1,2-Trichloroethane	5.8	UJ	1.0	5.8
Trichloroethene	~~19~~ 210 J		1.2	5.8
Trichlorofluoromethane	5.8	UJ	1.1	5.8
1,2,3-Trichloropropane	15 J		1.9	5.8
1,1,2-Trichloro-1,2,2-trifluoroethane	5.8	UJ	0.91	5.8
1,2,4-Trimethylbenzene	~~650~~ 970	E	1.6	5.8
1,3,5-Trimethylbenzene	~~310~~ 920	E	1.1	5.8
Vinyl chloride	5.8	UJ	1.5	5.8
m&p-Xylene	~~70~~ 450		1.8	5.8
o-Xylene	~~36~~ 290 J		1.1	5.8

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		49 - 134
4-Bromofluorobenzene	169	*	36 - 133
Dibromofluoromethane	81		60 - 130
Toluene-d8 (Surr)	31	*	51 - 137

JC 1/06/09

01/07/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-43 (10-12)

Lab Sample ID: 220-7408-14
Client Matrix: Solid

% Moisture: 16.5

Date Sampled: 12/04/2008 1515
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 12/12/2008 0023
Date Prepared: 12/05/2008 1757

Analysis Batch: 220-22843
Prep Batch: 220-22599
Run Type: DL

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L1713.D
Initial Weight/Volume: 5.74 g
Final Weight/Volume: 5.9471 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	780	U	150	780
Acrylonitrile	310	U	81	310
Benzene	310	U	41	310
Bromobenzene	310	U	37	310
n-Butylbenzene	150	J	54	310
sec-Butylbenzene	63	J	47	310
tert-Butylbenzene	310	U	43	310
Bromodichloromethane	310	U	43	310
Bromoform	310	U	50	310
Bromomethane	310	UJ	67	310
Methyl Ethyl Ketone	310	U	68	310
Chlorobenzene	3100		38	310
Carbon disulfide	310	U	41	310
Carbon tetrachloride	310	U	48	310
Chloroethane	310	UJ	50	310
Chloroform	310	U	38	310
Chloromethane	310	U	40	310
2-Chlorotoluene	310	U	99	310
4-Chlorotoluene	310	U	43	310
Dibromochloromethane	310	U	48	310
1,2-Dibromo-3-Chloropropane	310	U	36	310
1,2-Dibromoethane	310	U	31	310
Dibromomethane	310	U	44	310
1,2-Dichlorobenzene	11000		37	310
1,3-Dichlorobenzene	190	J	37	310
1,4-Dichlorobenzene	1200		38	310
trans-1,4-Dichloro-2-butene	310	U	150	310
Dichlorodifluoromethane	310	U	48	310
1,1-Dichloroethane	310	U	45	310
1,2-Dichloroethane	310	U	37	310
1,1-Dichloroethene	310	U	47	310
cis-1,2-Dichloroethene	790		37	310
trans-1,2-Dichloroethene	310	U	33	310
1,2-Dichloropropane	310	U	32	310
1,3-Dichloropropane	310	U	41	310
2,2-Dichloropropane	310	U	34	310
1,1-Dichloropropene	310	U	43	310
cis-1,3-Dichloropropene	310	U	38	310
trans-1,3-Dichloropropene	310	U	38	310
Ethylbenzene	270 3100	J	32	310
Hexachlorobutadiene	310	U	62	310
2-Hexanone	310	U	81	310
Isopropylbenzene	310	U	44	310
4-Isopropyltoluene	310	U	38	310

report only circled results

01/07/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-43 (10-12)**

Lab Sample ID: 220-7408-14
Client Matrix: Solid
% Moisture: 16.5

Date Sampled: 12/04/2008 1515
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 12/12/2008 0023
Date Prepared: 12/05/2008 1757

Analysis Batch: 220-22843
Prep Batch: 220-22599
Run Type: DL

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L1713.D
Initial Weight/Volume: 5.74 g
Final Weight/Volume: 5.9471 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~420~~ 310 U	~~JB~~	50	310
methyl isobutyl ketone	310	U	51	310
Methyl tert-butyl ether	310	U	31	310
Naphthalene	1600	J	48	310
N-Propylbenzene	210	J	40	310
Styrene	310	U	50	310
1,1,1,2-Tetrachloroethane	310	U	53	310
1,1,2,2-Tetrachloroethane	310	U	41	310
Toluene	~~64~~ 310 U	~~J~~	45	310
Tetrachloroethene	160	J	51	310
Tetrahydrofuran	310	U	110	310
1,2,3-Trichlorobenzene	710		47	310
1,2,4-Trichlorobenzene	870		55	310
1,1,1-Trichloroethane	310	U	38	310
1,1,2-Trichloroethane	310	U	42	310
Trichloroethene	220	J	40	310
Trichlorofluoromethane	310	U	40	310
1,2,3-Trichloropropane	310	U	81	310
1,1,2-Trichloro-1,2,2-trifluoroethane	310	U	43	310
1,2,4-Trimethylbenzene	970		33	310
1,3,5-Trimethylbenzene	820		33	310
Vinyl chloride	310	U	42	310
m&p-Xylene	450		81	310
o-Xylene	290	J	51	310

report only circled results

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	49 - 134
4-Bromofluorobenzene	114	36 - 133
Dibromofluoromethane	91	60 - 130
Toluene-d8 (Surr)	95	51 - 137

12/31/2008 01/07/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-43 (10-12)

Lab Sample ID: 220-7408-14
Client Matrix: Solid

% Moisture: 16.5

Date Sampled: 12/04/2008 1515
Date Received: 12/05/2008 1600

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/16/2008 1849
Date Prepared: 12/08/2008 1439

Analysis Batch: 220-22931
Prep Batch: 220-22638

Instrument ID: TJA Trace ICAP
Lab File ID: W121608
Initial Weight/Volume: 1.15 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		13.0	U	1.6	13.0
Arsenic		~~8.6~~ 6.5 U J	J	0.81	6.5
Barium		135		0.29	2.6
Beryllium		~~0.61~~ 2.6 U	J	0.29	2.6
Cadmium		35.4		0.68	6.5
Chromium		500 J		0.36	3.9
Copper		453 J		0.78	6.5
Lead		139 J		0.55	6.5
Cobalt		8.5		0.26	2.6
Nickel		449 J		0.68	6.5
Selenium		~~2.1~~ 13.0 U	J	1.2	13.0
Silver		4.1		0.36	3.9
Thallium		9.1	UJ	4.0	9.1
Vanadium		24.2		0.23	5.2
Zinc		645		2.0	26.0

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/17/2008 1351
Date Prepared: 12/16/2008 1624

Analysis Batch: 220-22954
Prep Batch: 220-22913

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.18		0.018	0.060

6/20/09 JC 1/07/09 01/08/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-43 (10-12)**

Lab Sample ID: 220-7408-14
Client Matrix: Solid
% Moisture: 16.5

Date Sampled: 12/04/2008 1515
Date Received: 12/05/2008 1600

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 10
Date Analyzed: 12/13/2008 2033
Date Prepared: 12/10/2008 1052

Analysis Batch: 220-22865
Prep Batch: 220-22704

Instrument ID: HP5890 with FID/NPD
Lab File ID: C2548245.d
Initial Weight/Volume: 15.56 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	1300000		140000	140000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	168	*	50 - 150

JR 1/6/09
Jam 01/06/09

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

General Chemistry

Client Sample ID: SB-39 (8-9)

Lab Sample ID: 220-7408-12
Client Matrix: Solid
% Moisture: 26.9
Date Sampled: 12/04/2008 1345
Date Received: 12/05/2008 1600

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Total	1.1	U ✓	mg/Kg	1.1	1.1	1.0	9012A
	Anly Batch: 360-39637	Date Analyzed		12/15/2008 1239			DryWt Corrected: Y
	Prep Batch: 360-39623	Date Prepared:		12/15/2008 1000			
Percent Moisture	26.9		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			
Percent Solids	73.1		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			

Client Sample ID: SB-41 (7-8)

Lab Sample ID: 220-7408-13
Client Matrix: Solid
% Moisture: 16.5
Date Sampled: 12/04/2008 1429
Date Received: 12/05/2008 1600

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Total	1.0	U ✓	mg/Kg	1.0	1.0	1.0	9012A
	Anly Batch: 360-39637	Date Analyzed		12/15/2008 1240			DryWt Corrected: Y
	Prep Batch: 360-39623	Date Prepared:		12/15/2008 1000			
Percent Moisture	16.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			
Percent Solids	83.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			

Client Sample ID: SB-43 (10-12)

Lab Sample ID: 220-7408-14
Client Matrix: Solid
% Moisture: 16.5
Date Sampled: 12/04/2008 1515
Date Received: 12/05/2008 1600

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Total	53.1 ✓		mg/Kg	4.8	4.8	5.0	9012A
	Anly Batch: 360-39637	Date Analyzed		12/15/2008 1249			DryWt Corrected: Y
	Prep Batch: 360-39623	Date Prepared:		12/15/2008 1000			
Percent Moisture	16.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			
Percent Solids	83.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			

JC 1/21/09

JM 01/08/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-44 (7-8)**

Lab Sample ID: 220-7408-15
Client Matrix: Solid

% Moisture: 15.8

Date Sampled: 12/05/2008 0915
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 12/16/2008 2023
Date Prepared: 12/05/2008 1758

Analysis Batch: 220-23084
Prep Batch: 220-22599

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L1841.D
Initial Weight/Volume: 6.35 g
Final Weight/Volume: 6.0033 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	700	U	130	700
Acrylonitrile	280	U	73	280
Benzene	280	U	37	280
Bromobenzene	280	U	34	280
n-Butylbenzene	280	U	49	280
sec-Butylbenzene	280	U	43	280
tert-Butylbenzene	280	U	39	280
Bromodichloromethane	280	U	39	280
Bromoform	280	U	45	280
Bromomethane	280	U	52	280
Methyl Ethyl Ketone	280	U	62	280
Chlorobenzene	230	J	35	280
Carbon disulfide	280	U	37	280
Carbon tetrachloride	280	U	43	280
Chloroethane	280	U	45	280
Chloroform	280	U	35	280
Chloromethane	280	U	36	280
2-Chlorotoluene	280	U	90	280
4-Chlorotoluene	280	U	39	280
Dibromochloromethane	280	U	44	280
1,2-Dibromo-3-Chloropropane	280	U	33	280
1,2-Dibromoethane	280	U	28	280
Dibromomethane	280	U	40	280
1,2-Dichlorobenzene	5800		34	280
1,3-Dichlorobenzene	640		34	280
1,4-Dichlorobenzene	860		35	280
trans-1,4-Dichloro-2-butene	280	U	130	280
Dichlorodifluoromethane	280	U	44	280
1,1-Dichloroethane	280	U	40	280
1,2-Dichloroethane	280	U	33	280
1,1-Dichloroethene	280	U	42	280
cis-1,2-Dichloroethene	280	U	34	280
trans-1,2-Dichloroethene	280	U	30	280
1,2-Dichloropropane	280	U	29	280
1,3-Dichloropropane	280	U	37	280
2,2-Dichloropropane	280	U	31	280
1,1-Dichloropropene	280	U	39	280
cis-1,3-Dichloropropene	280	U	34	280
trans-1,3-Dichloropropene	280	U	35	280
Ethylbenzene	280	U	29	280
Hexachlorobutadiene	280	UJ	56	280
2-Hexanone	280	U	73	280
Isopropylbenzene	280	U	40	280
4-Isopropyltoluene	280	U	34	280

report circled compounds

12/29/08 JC 1/26/09 01/07/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-44 (7-8)**

Lab Sample ID: 220-7408-15
Client Matrix: Solid

% Moisture: 15.8

Date Sampled: 12/05/2008 0915
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035-Medium
Dilution: 1.0
Date Analyzed: 12/16/2008 2023
Date Prepared: 12/05/2008 1758

Analysis Batch: 220-23084
Prep Batch: 220-22599

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L1841.D
Initial Weight/Volume: 6.35 g
Final Weight/Volume: 6.0033 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~85~~ 280	~~J B~~ U	45	280
methyl isobutyl ketone	280	U	46	280
Methyl tert-butyl ether	280	U	28	280
Naphthalene	1200 J		43	280
N-Propylbenzene	280	U	37	280
Styrene	280	U	45	280
1,1,1,2-Tetrachloroethane	280	U	48	280
1,1,2,2-Tetrachloroethane	280	U	37	280
Toluene	280	U	40	280
Tetrachloroethene	56	J	46	280
Tetrahydrofuran	280	U	95	280
1,1,1-Trichloroethane	280	U	35	280
1,1,2-Trichloroethane	280	U	38	280
Trichloroethene	280	U	37	280
Trichlorofluoromethane	280	U	36	280
1,2,3-Trichloropropane	280	U	73	280
1,1,2-Trichloro-1,2,2-trifluoroethane	280	U	39	280
1,2,4-Trimethylbenzene	49	J	30	280
1,3,5-Trimethylbenzene	280	U	30	280
Vinyl chloride	280	U	38	280
m&p-Xylene	280	U	73	280
o-Xylene	280	U	46	280

report circled compounds

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	49 - 134
4-Bromofluorobenzene	93	36 - 133
Dibromofluoromethane	90	60 - 130
Toluene-d8 (Surr)	92	51 - 137

12/31/2008

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-44 (7-8)

Lab Sample ID: 220-7408-15
Client Matrix: Solid

% Moisture: 15.8

Date Sampled: 12/05/2008 0915
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/15/2008 1933
Date Prepared: 12/05/2008 1732

Analysis Batch: 220-22898
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 08264.D
Initial Weight/Volume: 6.03 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~17~~ 20 UJ	~~J~~	2.3	20
Acrylonitrile	4.9	UJ	3.1	4.9
Benzene	4.9	U	0.70	4.9
Bromobenzene	4.9	U	0.56	4.9
n-Butylbenzene	4.9	UJ	1.0	4.9
sec-Butylbenzene	~~1.7~~ 4.9 UJ	~~J~~	1.2	4.9
tert-Butylbenzene	4.9	UJ	0.60	4.9
Bromodichloromethane	4.9	U	0.64	4.9
Bromoform	4.9	U	1.7	4.9
Bromomethane	4.9	U	1.5	4.9
Methyl Ethyl Ketone	9.9	UJ	3.3	9.9
Chlorobenzene	~~120~~ 2.30 J		0.87	4.9
Carbon disulfide	4.9	UJ	0.52	4.9
Carbon tetrachloride	4.9	U	0.70	4.9
Chloroethane	4.9	U	1.3	4.9
Chloroform	4.9	U	0.52	4.9
Chloromethane	4.9	U	1.0	4.9
2-Chlorotoluene	4.9	U	0.83	4.9
4-Chlorotoluene	4.9	U	1.1	4.9
Dibromochloromethane	4.9	U	1.1	4.9
1,2-Dibromo-3-Chloropropane	9.9	U	1.6	9.9
1,2-Dibromoethane	4.9	U	1.2	4.9
Dibromomethane	4.9	UJ	0.66	4.9
1,2-Dichlorobenzene	~~1300~~ 5800	~~E~~	1.1	4.9
1,3-Dichlorobenzene	~~88~~ 640		1.1	4.9
1,4-Dichlorobenzene	~~210~~ 360	~~E~~	1.2	4.9
trans-1,4-Dichloro-2-butene	9.9	UJ	1.6	9.9
Dichlorodifluoromethane	4.9	UJ	1.5	4.9
1,1-Dichloroethane	4.9	UJ	0.64	4.9
1,2-Dichloroethane	6.6 J		1.1	4.9
1,1-Dichloroethene	4.9	UJ	0.78	4.9
cis-1,2-Dichloroethene	9.1 J		0.91	4.9
trans-1,2-Dichloroethene	4.9	UJ	0.95	4.9
1,2-Dichloropropane	4.9	U	0.96	4.9
1,3-Dichloropropane	4.9	U	0.48	4.9
2,2-Dichloropropane	4.9	U	0.76	4.9
1,1-Dichloropropene	25	U	0.65	25
cis-1,3-Dichloropropene	4.9	U	0.61	4.9
trans-1,3-Dichloropropene	4.9	UJ	1.1	4.9
Ethylbenzene	~~1.6~~ 4.9 UJ	~~J~~	0.70	4.9
Hexachlorobutadiene	4.9	UJ	1.7	4.9
2-Hexanone	9.9	UJ	2.6	9.9
Isopropylbenzene	4.9	UJ	0.74	4.9
4-Isopropyltoluene	~~3.4~~ 4.9 UJ	~~J~~	1.1	4.9

JAM 01/07/09

6/12/09 JC 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-44 (7-8)

Lab Sample ID: 220-7408-15
Client Matrix: Solid
% Moisture: 15.8

Date Sampled: 12/05/2008 0915
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/15/2008 1933
Date Prepared: 12/05/2008 1732

Analysis Batch: 220-22896
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: Q8264.D
Initial Weight/Volume: 6.03 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~1.9~~ 20 UJ	~~J B~~	1.4	20
methyl isobutyl ketone	4.9	UJ	0.93	4.9
Methyl tert-butyl ether	4.9	UJ	0.73	4.9
Naphthalene	~~140~~ 12.00 J		0.58	4.9
N-Propylbenzene	~~2.6~~ 4.9 UJ	~~J~~	0.73	4.9
Styrene	4.9	UJ	1.3	4.9
1,1,1,2-Tetrachloroethane	4.9	UJ	0.65	4.9
1,1,2,2-Tetrachloroethane	4.9	UJ	1.0	4.9
Toluene	~~1.1~~ 4.9 UJ	~~J~~	0.58	4.9
Tetrachloroethene	~~29~~ 56 J		0.73	4.9
Tetrahydrofuran	20 UJ	~~UJ~~	2.8	20
1,2,3-Trichlorobenzene	~~93~~ 2.100 J		1.0	4.9
1,2,4-Trichlorobenzene	~~340~~ 5100 J	~~E~~	1.2	4.9
1,1,1-Trichloroethane	4.9	UJ	0.72	4.9
1,1,2-Trichloroethane	4.9	UJ	0.86	4.9
Trichloroethene	11 J		0.98	4.9
Trichlorofluoromethane	4.9	UJ	0.94	4.9
1,2,3-Trichloropropane	4.9	UJ	1.6	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	UJ	0.77	4.9
1,2,4-Trimethylbenzene	~~19~~ 49 J		1.4	4.9
1,3,5-Trimethylbenzene	9.4 J		0.95	4.9
Vinyl chloride	4.9	UJ	1.3	4.9
m&p-Xylene	9.0 J		1.5	4.9
o-Xylene	7.5 J		0.93	4.9

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	62		49 - 134
4-Bromofluorobenzene	36		36 - 133
Dibromofluoromethane	49	*	60 - 130
Toluene-d8 (Surr)	45	*	51 - 137

01/28/09 01/07/09 1/26/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-44 (7-8)**

Lab Sample ID:	220-7408-15			Date Sampled:	12/05/2008 0915
Client Matrix:	Solid	% Moisture:	15.8	Date Received:	12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-23086		Instrument ID:	HP 6890/5973 GC/MS
Preparation:	5035-Medium	Prep Batch: 220-22599		Lab File ID:	W1634.D
Dilution:	2.0			Initial Weight/Volume:	6.35 g
Date Analyzed:	12/22/2008 1221	Run Type: DL		Final Weight/Volume:	6.0033 mL
Date Prepared:	12/05/2008 1758				

Analyte	DryWt Corrected: Y Result (ug/Kg)		Qualifier	MDL	RL
1,2,3-Trichlorobenzene	2100	J		84	560
1,2,4-Trichlorobenzene	5700	J		99	560

hydrocarbon coeluted compounds

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	49 - 134
4-Bromofluorobenzene	67	36 - 133
Dibromofluoromethane	92	60 - 130
Toluene-d8 (Surr)	91	51 - 137

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-44 (7-8)

Lab Sample ID: 220-7408-15
Client Matrix: Solid

% Moisture: 15.8

Date Sampled: 12/05/2008 0915
Date Received: 12/05/2008 1600

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/16/2008 1854
Date Prepared: 12/08/2008 1439

Analysis Batch: 220-22931
Prep Batch: 220-22638

Instrument ID: TJA Trace ICAP
Lab File ID: W121608
Initial Weight/Volume: 1.48 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		10.0	U	1.2	10.0
Arsenic		~~4.3~~ 5.0	UJ	0.62	5.0
Barium		93.0		0.22	2.0
Beryllium		~~0.65~~ 1.0	U	0.22	2.0
Cadmium		26.2		0.52	5.0
Chromium		513	J	0.28	3.0
Copper		286	J	0.60	5.0
Lead		89.4	J	0.42	5.0
Cobalt		7.0		0.20	2.0
Nickel		541	J	0.52	5.0
Selenium		~~1.8~~ 10.0	U	0.90	10.0
Silver		~~2.3~~ 3.0	U	0.28	3.0
Thallium		7.0	UJ	3.1	7.0
Vanadium		31.8		0.18	4.0
Zinc		592		1.5	20.1

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/17/2008 1355
Date Prepared: 12/16/2008 1624

Analysis Batch: 220-22954
Prep Batch: 220-22913

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.55		0.017	0.058

6/28/09 1/27/09 01/08/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-44 (7-8)**

Lab Sample ID:	220-7408-15			Date Sampled:	12/05/2008 0915
Client Matrix:	Solid	% Moisture:	15.8	Date Received:	12/05/2008 1600

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-22912		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-22704		Lab File ID:	DX1003122.D
Dilution:	2.0			Initial Weight/Volume:	15.23 g
Date Analyzed:	12/16/2008 1934			Final Weight/Volume:	1 mL
Date Prepared:	12/10/2008 1052			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	430000		28000	28000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	122	50 - 150

WO 1/26/09
JAM 01/06/09

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-44 (14-15)**

Lab Sample ID: 220-7408-16
Client Matrix: Solid
% Moisture: 2.1

Date Sampled: 12/05/2008 0930
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/16/2008 1440
Date Prepared: 12/05/2008 1733

Analysis Batch: 220-22999
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8282.D
Initial Weight/Volume: 5.16 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	20	U	2.3	20
Acrylonitrile	4.9	U J	3.1	4.9
Benzene	4.9	U	0.70	4.9
Bromobenzene	4.9	U	0.56	4.9
n-Butylbenzene	4.9	U	1.0	4.9
sec-Butylbenzene	4.9	U	1.2	4.9
tert-Butylbenzene	4.9	U	0.60	4.9
Bromodichloromethane	4.9	U	0.64	4.9
Bromoform	4.9	U	1.7	4.9
Bromomethane	4.9	U	1.5	4.9
Methyl Ethyl Ketone	9.9	U	3.3	9.9
Chlorobenzene	4.9	U	0.87	4.9
Carbon disulfide	4.9	U	0.52	4.9
Carbon tetrachloride	4.9	U	0.70	4.9
Chloroethane	4.9	U	1.3	4.9
Chloroform	4.9	U	0.52	4.9
Chloromethane	4.9	U	1.0	4.9
2-Chlorotoluene	4.9	U	0.83	4.9
4-Chlorotoluene	4.9	U	1.1	4.9
Dibromochloromethane	4.9	U	1.1	4.9
1,2-Dibromo-3-Chloropropane	9.9	U	1.6	9.9
1,2-Dibromoethane	4.9	U	1.2	4.9
Dibromomethane	4.9	U	0.66	4.9
1,2-Dichlorobenzene	4.9	U	1.1	4.9
1,3-Dichlorobenzene	4.9	U	1.1	4.9
1,4-Dichlorobenzene	4.9	U	1.2	4.9
trans-1,4-Dichloro-2-butene	9.9	U	1.7	9.9
Dichlorodifluoromethane	4.9	U	1.6	4.9
1,1-Dichloroethane	4.9	U	0.64	4.9
1,2-Dichloroethane	4.9	U	1.1	4.9
1,1-Dichloroethene	4.9	U	0.78	4.9
cis-1,2-Dichloroethene	4.9	U	0.91	4.9
trans-1,2-Dichloroethene	4.9	U	0.95	4.9
1,2-Dichloropropane	4.9	U	0.96	4.9
1,3-Dichloropropane	4.9	U	0.48	4.9
2,2-Dichloropropane	4.9	U	0.76	4.9
1,1-Dichloropropene	25	U	0.65	25
cis-1,3-Dichloropropene	4.9	U	0.61	4.9
trans-1,3-Dichloropropene	4.9	U	1.1	4.9
Ethylbenzene	4.9	U	0.70	4.9
Hexachlorobutadiene	4.9	U	1.8	4.9
2-Hexanone	9.9	U	2.6	9.9
Isopropylbenzene	4.9	U	0.74	4.9
4-Isopropyltoluene	4.9	U	1.1	4.9

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-44 (14-15)**

Lab Sample ID: 220-7408-16
Client Matrix: Solid

% Moisture: 2.1

Date Sampled: 12/05/2008 0930
Date Received: 12/05/2008 1600

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 12/16/2008 1440
Date Prepared: 12/05/2008 1733

Analysis Batch: 220-22999
Prep Batch: 220-22598

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O8282.D
Initial Weight/Volume: 5.16 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~2.5~~ 200	~~J-B~~	1.4	20
methyl isobutyl ketone	4.9	U	0.93	4.9
Methyl tert-butyl ether	4.9	U	0.73	4.9
Naphthalene	4.9	U	0.58	4.9
N-Propylbenzene	4.9	U	0.73	4.9
Styrene	4.9	U	1.3	4.9
1,1,1,2-Tetrachloroethane	4.9	U	0.65	4.9
1,1,2,2-Tetrachloroethane	4.9	U	1.0	4.9
Toluene	4.9	U	0.56	4.9
Tetrachloroethene	4.9	U	0.73	4.9
Tetrahydrofuran	20	UJ	2.8	20
1,2,3-Trichlorobenzene	4.9	U	1.0	4.9
1,2,4-Trichlorobenzene	4.9	U	1.2	4.9
1,1,1-Trichloroethane	4.9	U	0.72	4.9
1,1,2-Trichloroethane	4.9	U	0.86	4.9
Trichloroethene	4.9	U	0.98	4.9
Trichlorofluoromethane	4.9	U	0.94	4.9
1,2,3-Trichloropropane	4.9	U	1.6	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	0.77	4.9
1,2,4-Trimethylbenzene	4.9	U	1.4	4.9
1,3,5-Trimethylbenzene	4.9	U	0.95	4.9
Vinyl chloride	4.9	U	1.3	4.9
m&p-Xylene	4.9	U	1.5	4.9
o-Xylene	4.9	U	0.93	4.9

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	49 - 134
4-Bromofluorobenzene	110	36 - 133
Dibromofluoromethane	92	60 - 130
Toluene-d8 (Surr)	100	51 - 137

JC 1/26/09 AM 01/07/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: SB-44 (14-15)

Lab Sample ID: 220-7408-16
Client Matrix: Solid
% Moisture: 2.1
Date Sampled: 12/05/2008 0930
Date Received: 12/05/2008 1600

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 12/17/2008 1503
Date Prepared: 12/08/2008 1439

Analysis Batch: 220-22978
Prep Batch: 220-22638

Instrument ID: TJA Trace ICAP
Lab File ID: W121706
Initial Weight/Volume: 1.12 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		11.4	U	1.4	11.4
Arsenic		~~2.4~~ 5.7UJ	~~J~~	0.71	5.7
Barium		52.3		0.25	2.3
Beryllium		~~0.34~~ 2.3U	~~J~~	0.25	2.3
Cadmium		5.7	U	0.59	5.7
Chromium		176	J	0.32	3.4
Copper		1330	J	0.68	5.7
Lead		33.4	J	0.48	5.7
Cobalt		3.3		0.23	2.3
Nickel		8.0	J	0.59	5.7
Selenium		11.4	U	1.0	11.4
Silver		3.4	U	0.32	3.4
Thallium		8.0	UJ	3.5	8.0
Vanadium		20.8		0.21	4.6
Zinc		191		1.7	22.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 12/17/2008 1359
Date Prepared: 12/16/2008 1624

Analysis Batch: 220-22954
Prep Batch: 220-22913

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.050	U	0.015	0.050

VW 01/28/09 JC 1/27/09 01/08/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

Client Sample ID: **SB-44 (14-15)**

Lab Sample ID:	*220-7408-16*			*Date Sampled:*	*12/05/2008 0930*
Client Matrix:	Solid	% Moisture:	2.1	Date Received:	12/05/2008 1600

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-22912		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-22704		Lab File ID:	DX1003123.D
Dilution:	1.0			Initial Weight/Volume:	15.39 g
Date Analyzed:	12/16/2008 1954			Final Weight/Volume:	1 mL
Date Prepared:	12/10/2008 1052			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	12000	U	12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	88	50 - 150

WQ 12/16/09
Jam 01/06/09

Client: GEI Consultants, Inc.

Job Number: 220-7408-1
Sdg Number: 220-7408

General Chemistry

Client Sample ID: **SB-44 (7-8)**

Lab Sample ID: 220-7408-15
Client Matrix: Solid
% Moisture: 15.8
Date Sampled: 12/05/2008 0915
Date Received: 12/05/2008 1600

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Total	47.2 ✓		mg/Kg	4.3	4.3	5.0	9012A
	Anly Batch: 360-39637	Date Analyzed		12/15/2008 1250			DryWt Corrected: Y
	Prep Batch: 360-39623	Date Prepared:		12/15/2008 1000			
Percent Moisture	15.8		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			
Percent Solids	84.2		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			

Client Sample ID: **SB-44 (14-15)**

Lab Sample ID: 220-7408-16
Client Matrix: Solid
% Moisture: 2.1
Date Sampled: 12/05/2008 0930
Date Received: 12/05/2008 1600

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Total	0.84	U ✓	mg/Kg	0.84	0.84	1.0	9012A
	Anly Batch: 360-39789	Date Analyzed		12/18/2008 1158			DryWt Corrected: Y
	Prep Batch: 360-39780	Date Prepared:		12/18/2008 0907			
Percent Moisture	2.10		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			
Percent Solids	97.9		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22648	Date Analyzed		12/08/2008 1644			

JC 1/7/09 Jan 01/08/09

'J' values changed to U
No other changes
jam 6/17/09
JJ 6/25/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: **SB-45 (10-11)**

Lab Sample ID: 220-8900-1
Client Matrix: Solid
% Moisture: 4.0

Date Sampled: 04/27/2009 0900
Date Received: 04/27/2009 1705

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1439
Date Prepared: 04/28/2009 1435

Analysis Batch: 220-26843
Prep Batch: 220-26661

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0368.D
Initial Weight/Volume: 4.59 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~19~~ 230	~~J~~	2.5	23
Acrylonitrile	5.7	U	1.6	5.7
Benzene	5.7	U	0.65	5.7
Bromobenzene	5.7	U	0.60	5.7
n-Butylbenzene	5.7	U	1.3	5.7
sec-Butylbenzene	5.7	U	0.60	5.7
tert-Butylbenzene	5.7	U	0.33	5.7
Bromodichloromethane	5.7	U	0.34	5.7
Bromoform	5.7	U	0.69	5.7
Bromomethane	5.7	U	2.4	5.7
Methyl Ethyl Ketone	11	U	1.8	11
Chlorobenzene	5.7	U	0.67	5.7
Carbon disulfide	5.7	UJ	0.47	5.7
Carbon tetrachloride	5.7	U	1.1	5.7
Chloroethane	5.7	U	1.1	5.7
Chloroform	5.7	U	0.39	5.7
Chloromethane	5.7	U	0.89	5.7
2-Chlorotoluene	5.7	U	0.73	5.7
4-Chlorotoluene	5.7	U	0.72	5.7
Dibromochloromethane	5.7	U	0.40	5.7
1,2-Dibromo-3-Chloropropane	11	U	5.1	11
1,2-Dibromoethane	5.7	U	0.86	5.7
Dibromomethane	5.7	U	0.73	5.7
1,2-Dichlorobenzene	5.7	U	0.27	5.7
1,3-Dichlorobenzene	5.7	U	0.24	5.7
1,4-Dichlorobenzene	5.7	U	0.76	5.7
trans-1,4-Dichloro-2-butene	11	U	1.3	11
Dichlorodifluoromethane	5.7	U	0.40	5.7
1,1-Dichloroethane	5.7	U	0.34	5.7
1,2-Dichloroethane	5.7	U	0.66	5.7
1,1-Dichloroethene	5.7	U	0.66	5.7
cis-1,2-Dichloroethene	5.7	U	0.42	5.7
trans-1,2-Dichloroethene	5.7	U	0.44	5.7
1,2-Dichloropropane	5.7	U	0.76	5.7
1,3-Dichloropropane	5.7	U	0.77	5.7
2,2-Dichloropropane	5.7	U	0.78	5.7
1,1-Dichloropropene	28	U	0.65	28
cis-1,3-Dichloropropene	5.7	U	0.64	5.7
trans-1,3-Dichloropropene	5.7	U	0.31	5.7
Ethylbenzene	5.7	U	0.79	5.7
Hexachlorobutadiene	5.7	U	0.70	5.7
2-Hexanone	11	U	1.4	11
Isopropylbenzene	5.7	U	0.22	5.7
4-Isopropyltoluene	5.7	U	0.60	5.7

jam 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: **SB-45 (10-11)**

Lab Sample ID: 220-8900-1
Client Matrix: Solid
% Moisture: 4.0

Date Sampled: 04/27/2009 0900
Date Received: 04/27/2009 1705

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1439
Date Prepared: 04/28/2009 1435

Analysis Batch: 220-26843
Prep Batch: 220-26661

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0368.D
Initial Weight/Volume: 4.59 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~1.8~~ 23U ✓	~~J~~	1.2	23
methyl isobutyl ketone	5.7	U	0.62	5.7
Methyl tert-butyl ether	5.7	U	0.24	5.7
Naphthalene	5.7	U	0.33	5.7
N-Propylbenzene	5.7	U	0.69	5.7
Styrene	5.7	U	0.17	5.7
1,1,1,2-Tetrachloroethane	5.7	U	0.59	5.7
1,1,2,2-Tetrachloroethane	5.7	U	0.59	5.7
Toluene	~~0.41~~ 5.7U ✓	~~J~~	0.084	5.7
Tetrachloroethene	5.7	U	0.92	5.7
Tetrahydrofuran	23	U	7.0	23
1,2,3-Trichlorobenzene	5.7	U	0.70	5.7
1,2,4-Trichlorobenzene	5.7	U	0.85	5.7
1,1,1-Trichloroethane	5.7	U	0.60	5.7
1,1,2-Trichloroethane	5.7	U	0.42	5.7
Trichloroethene	5.7	U	0.92	5.7
Trichlorofluoromethane	8.4		0.17	5.7
1,2,3-Trichloropropane	5.7	U	1.0	5.7
1,1,2-Trichloro-1,2,2-trifluoroethane	5.7	U	0.90	5.7
1,2,4-Trimethylbenzene	5.7	U	0.86	5.7
1,3,5-Trimethylbenzene	5.7	U	0.57	5.7
Vinyl chloride	5.7	U	0.26	5.7
m&p-Xylene	5.7	U	0.40	5.7
o-Xylene	5.7	U	0.22	5.7

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	59 - 132
4-Bromofluorobenzene	82	34 - 124
Dibromofluoromethane	88	59 - 123
Toluene-d8 (Surr)	87	50 - 118

JM 5/12/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: **SB-45 (10-11)**

Lab Sample ID: 220-8900-1
Client Matrix: Solid
% Moisture: 4.0

Date Sampled: 04/27/2009 0900
Date Received: 04/27/2009 1705

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/04/2009 1513
Date Prepared: 04/28/2009 1003

Analysis Batch: 220-26824
Prep Batch: 220-26644

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Z10823.D
Initial Weight/Volume: 15.06 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene	~~84~~ 280U	~~J~~	17	280
Acenaphthylene	2600		14	280
Aniline	280	U	37	280
Anthracene	2200		11	280
Benzo[a]anthracene	~~6900~~ 7000	~~E~~	10	280
Benzo[b]fluoranthene	~~5900~~ 5900	~~E~~	7.5	280
Benzo[g,h,i]perylene	~~940~~ 3800		18	280
Benzo[k]fluoranthene	~~2200~~ 2800		25	280
Benzo[a]pyrene	~~5500~~ 6100		7.6	280
Bis(2-chloroethyl)ether	280	U	15	280
Bis(2-chloroethoxy)methane	280	U	13	280
2,2'-oxybis[1-chloropropane]	280	U	15	280
Bis(2-ethylhexyl) phthalate	~~52~~ 280U	~~J~~	27	280
4-Bromophenyl phenyl ether	280	U	18	280
Benzyl alcohol	280	U	26	280
Butyl benzyl phthalate	280	U	16	280
Carbazole	~~240~~ 280U	~~J~~	16	280
4-Chloroaniline	280	U	46	280
4-Chloro-3-methylphenol	280	U	12	280
2-Chloronaphthalene	280	U	12	280
2-Chlorophenol	280	U	16	280
4-Chlorophenyl phenyl ether	280	U	21	280
Chrysene	~~5900~~ 6200	~~E~~	21	280
Dibenzofuran	~~61~~ 280U	~~J~~	20	280
Dibenz(a,h)anthracene	~~520~~ 1900		22	280
3,3'-Dichlorobenzidine	700	U	58	700
2,4-Dichlorophenol	280	U	15	280
Diethyl phthalate	280	U	28	280
2,4-Dimethylphenol	280	U	14	280
Dimethyl phthalate	280	U	16	280
Benzoic acid	1800	U	390	1800
Di-n-butyl phthalate	280	U	41	280
4,6-Dinitro-2-methylphenol	1800	U	120	1800
2,4-Dinitrophenol	1800	U	84	1800
2,4-Dinitrotoluene	280	U	22	280
2,6-Dinitrotoluene	280	U	8.2	280
Di-n-octyl phthalate	280	U	16	280
Fluoranthene	~~18000~~ 13000	~~E~~	14	280
Fluorene	440		17	280
Hexachlorobenzene	280	U	19	280
Hexachlorobutadiene	280	U	22	280
Hexachlorocyclopentadiene	700	U	130	700
Hexachloroethane	280	U	16	280
Indeno[1,2,3-cd]pyrene	~~4200~~ 4300		18	280

5/21/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: **SB-45 (10-11)**

Lab Sample ID: 220-8900-1
Client Matrix: Solid
% Moisture: 4.0

Date Sampled: 04/27/2009 0900
Date Received: 04/27/2009 1705

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/04/2009 1513
Date Prepared: 04/28/2009 1003

Analysis Batch: 220-26824
Prep Batch: 220-26644

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Z10823.D
Initial Weight/Volume: 15.06 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Isophorone	280	U	15	280
2-Methylnaphthalene	~~46~~ 280U	~~J~~	8.0	280
2-Methylphenol	280	U	17	280
4-Methylphenol	~~58~~ 280U	~~J~~	18	280
Naphthalene	~~73~~ 280U	~~J~~	15	280
2-Nitroaniline	1800	U	17	1800
3-Nitroaniline	1800	U	8.9	1800
4-Nitroaniline	280	U	21	280
Nitrobenzene	280	U	18	280
2-Nitrophenol	280	U	18	280
4-Nitrophenol	1800	U	21	1800
N-Nitrosodiphenylamine	280	U	16	280
N-Nitrosodi-n-propylamine	280	U	19	280
Pentachlorophenol	1800	U	170	1800
Pentachloronitrobenzene	340	U	61	340
Phenanthrene	2100		14	280
Phenol	280	U	19	280
Pyrene	~~8200~~ 11000	~~E~~	13	280
Pyridine	1300	U	310	1300
1,2,4,5-Tetrachlorobenzene	340	U	45	340
1,2,4-Trichlorobenzene	280	U	18	280
2,4,5-Trichlorophenol	1800	U	14	1800
2,4,6-Trichlorophenol	280	U	7.7	280

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	81	24 - 150
2-Fluorobiphenyl	76	32 - 131
2-Fluorophenol	72	25 - 113
Nitrobenzene-d5	71	25 - 120
Phenol-d5	72	27 - 122
Terphenyl-d14	74	35 - 140

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: **SB-45 (10-11)**

Lab Sample ID: 220-8900-1
Client Matrix: Solid
% Moisture: 4.0

Date Sampled: 04/27/2009 0900
Date Received: 04/27/2009 1705

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 5.0
Date Analyzed: 05/08/2009 1835
Date Prepared: 04/28/2009 1003

Analysis Batch: 220-27006
Prep Batch: 220-26644
Run Type: DL

Instrument ID: HP 6890/5975
Lab File ID: A5025.D
Initial Weight/Volume: 15.06 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene	100	J	83	1400
Acenaphthylene	2300		68	1400
Aniline	1400	U	190	1400
Anthracene	1900		54	1400
Benzo[a]anthracene	7000		50	1400
Benzo[b]fluoranthene	5900		37	1400
Benzo[g,h,i]perylene	3800		91	1400
Benzo[k]fluoranthene	2800		130	1400
Benzo[a]pyrene	6100		38	1400
Bis(2-chloroethyl)ether	1400	U	73	1400
Bis(2-chloroethoxy)methane	1400	U	65	1400
2,2'-oxybis[1-chloropropane]	1400	U	73	1400
Bis(2-ethylhexyl) phthalate	1400	U	140	1400
4-Bromophenyl phenyl ether	1400	U	90	1400
Benzyl alcohol	1400	U	130	1400
Butyl benzyl phthalate	1400	U	78	1400
Carbazole	210	J	78	1400
4-Chloroaniline	1400	U	230	1400
4-Chloro-3-methylphenol	1400	U	58	1400
2-Chloronaphthalene	1400	U	60	1400
2-Chlorophenol	1400	U	81	1400
4-Chlorophenyl phenyl ether	1400	U	100	1400
Chrysene	6200		100	1400
Dibenzofuran	1400	U	99	1400
Dibenz(a,h)anthracene	1900		110	1400
3,3'-Dichlorobenzidine	3500	U	290	3500
2,4-Dichlorophenol	1400	U	75	1400
Diethyl phthalate	1400	U	140	1400
2,4-Dimethylphenol	1400	U	68	1400
Dimethyl phthalate	1400	U	80	1400
Benzoic acid	8800	U	2000	8800
Di-n-butyl phthalate	1400	U	200	1400
4,6-Dinitro-2-methylphenol	8800	U	600	8800
2,4-Dinitrophenol	8800	U	420	8800
2,4-Dinitrotoluene	1400	U	110	1400
2,6-Dinitrotoluene	1400	U	41	1400
Di-n-octyl phthalate	1400	U	79	1400
Fluoranthene	13000		70	1400
Fluorene	350	J	84	1400
Hexachlorobenzene	1400	U	97	1400
Hexachlorobutadiene	1400	U	110	1400
Hexachlorocyclopentadiene	3500	U	660	3500
Hexachloroethane	1400	U	80	1400
Indeno[1,2,3-cd]pyrene	4300		91	1400

Reported circled compounds only

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: SB-45 (10-11)

Lab Sample ID: 220-8900-1
Client Matrix: Solid
% Moisture: 4.0
Date Sampled: 04/27/2009 0900
Date Received: 04/27/2009 1705

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 5.0
Date Analyzed: 05/08/2009 1835
Date Prepared: 04/28/2009 1003
Analysis Batch: 220-27006
Prep Batch: 220-26644
Run Type: DL
Instrument ID: HP 6890/5975
Lab File ID: A5025.D
Initial Weight/Volume: 15.06 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Isophorone	1400	U	77	1400
2-Methylnaphthalene	54	J	40	1400
2-Methylphenol	1400	U	84	1400
4-Methylphenol	1400	U	92	1400
Naphthalene	230	J	73	1400
2-Nitroaniline	8800	U	85	8800
3-Nitroaniline	8800	U	45	8800
4-Nitroaniline	1400	U	110	1400
Nitrobenzene	1400	U	89	1400
2-Nitrophenol	1400	U	88	1400
4-Nitrophenol	8800	U	110	8800
N-Nitrosodiphenylamine	1400	U	79	1400
N-Nitrosodi-n-propylamine	1400	U	94	1400
Pentachlorophenol	8800	U	850	8800
Pentachloronitrobenzene	1700	U	310	1700
Phenanthrene	2300		69	1400
Phenol	1400	U	93	1400
Pyrene	11000		66	1400
Pyridine	6700	U	1500	6700
1,2,4,5-Tetrachlorobenzene	1700	U	220	1700
1,2,4-Trichlorobenzene	1400	U	92	1400
2,4,5-Trichlorophenol	8800	U	71	8800
2,4,6-Trichlorophenol	1400	U	38	1400

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	81	24 - 150
2-Fluorobiphenyl	85	32 - 131
2-Fluorophenol	68	25 - 113
Nitrobenzene-d5	70	25 - 120
Phenol-d5	70	27 - 122
Terphenyl-d14	87	35 - 140

5/21/09

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: **SB-45 (10-11)**

Lab Sample ID:	220-8900-1			Date Sampled:	04/27/2009 0900
Client Matrix:	Solid	% Moisture:	4.0	Date Received:	04/27/2009 1705

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26938		Lab File ID:	DX1021054.D
Dilution:	10			Initial Weight/Volume:	15.77 g
Date Analyzed:	05/11/2009 1422			Final Weight/Volume:	1.0 mL
Date Prepared:	05/07/2009 1706			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	2000000	J	120000	120000

Surrogate	*%Rec*		*Acceptance Limits*
o-Terphenyl	243	*	50 - 150

5/22/09
5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: **SB-46 (14-15)**

Lab Sample ID: 220-8900-2
Client Matrix: *Solid*

% Moisture: 3.4

Date Sampled: 04/27/2009 1000
Date Received: 04/27/2009 1705

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1504
Date Prepared: 04/28/2009 1436

Analysis Batch: 220-26843
Prep Batch: 220-26661

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0369.D
Initial Weight/Volume: 3.95 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	26	U ¹	2.9	26
Acrylonitrile	6.6	U	1.8	6.6
Benzene	6.6	U	0.75	6.6
Bromobenzene	6.6	U	0.69	6.6
n-Butylbenzene	6.6	U	1.5	6.6
sec-Butylbenzene	6.6	U	0.69	6.6
tert-Butylbenzene	6.6	U	0.38	6.6
Bromodichloromethane	6.6	U	0.39	6.6
Bromoform	6.6	U	0.80	6.6
Bromomethane	6.6	U	2.7	6.6
Methyl Ethyl Ketone	13	U	2.1	13
Chlorobenzene	6.6	U	0.77	6.6
Carbon disulfide	6.6	UJ	0.54	6.6
Carbon tetrachloride	6.6	U	1.2	6.6
Chloroethane	6.6	U	1.3	6.6
Chloroform	6.6	U	0.45	6.6
Chloromethane	6.6	U	1.0	6.6
2-Chlorotoluene	6.6	U	0.84	6.6
4-Chlorotoluene	6.6	U	0.83	6.6
Dibromochloromethane	6.6	U	0.46	6.6
1,2-Dibromo-3-Chloropropane	13	U	5.9	13
1,2-Dibromoethane	6.6	U	1.0	6.6
Dibromomethane	6.6	U	0.84	6.6
1,2-Dichlorobenzene	6.6	U	0.31	6.6
1,3-Dichlorobenzene	6.6	U	0.28	6.6
1,4-Dichlorobenzene	6.6	U	0.88	6.6
trans-1,4-Dichloro-2-butene	13	U ¹	1.5	13
Dichlorodifluoromethane	6.6	U	0.46	6.6
1,1-Dichloroethane	6.6	U	0.39	6.6
1,2-Dichloroethane	6.6	U	0.76	6.6
1,1-Dichloroethene	6.6	U	0.76	6.6
cis-1,2-Dichloroethene	6.6	U	0.48	6.6
trans-1,2-Dichloroethene	6.6	U	0.51	6.6
1,2-Dichloropropane	6.6	U	0.88	6.6
1,3-Dichloropropane	6.6	U	0.89	6.6
2,2-Dichloropropane	6.6	U	0.90	6.6
1,1-Dichloropropene	33	U	0.75	33
cis-1,3-Dichloropropene	6.6	U	0.73	6.6
trans-1,3-Dichloropropene	6.6	U	0.35	6.6
Ethylbenzene	6.6	U	0.92	6.6
Hexachlorobutadiene	6.6	U	0.81	6.6
2-Hexanone	13	U	1.6	13
Isopropylbenzene	6.6	U	0.25	6.6
4-Isopropyltoluene	6.6	U	0.69	6.6

JAM 5/22/09

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: **SB-46 (14-15)**

Lab Sample ID: 220-8900-2
Client Matrix: Solid
% Moisture: 3.4

Date Sampled: 04/27/2009 1000
Date Received: 04/27/2009 1705

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1504
Date Prepared: 04/28/2009 1436

Analysis Batch: 220-26843
Prep Batch: 220-26661

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0369.D
Initial Weight/Volume: 3.95 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~5.5~~ 26 U ✓	~~J~~	1.4	26
methyl isobutyl ketone	6.6	U	0.72	6.6
Methyl tert-butyl ether	6.6	U	0.28	6.6
Naphthalene	6.6	U	0.38	6.6
N-Propylbenzene	6.6	U	0.80	6.6
Styrene	6.6	U	0.20	6.6
1,1,1,2-Tetrachloroethane	6.6	U	0.68	6.6
1,1,2,2-Tetrachloroethane	6.6	U	0.68	6.6
Toluene	6.6	U	0.097	6.6
Tetrachloroethene	6.6	U	1.1	6.6
Tetrahydrofuran	26	U	8.1	26
1,2,3-Trichlorobenzene	6.6	U	0.81	6.6
1,2,4-Trichlorobenzene	6.6	U	0.98	6.6
1,1,1-Trichloroethane	6.6	U	0.69	6.6
1,1,2-Trichloroethane	6.6	U	0.48	6.6
Trichloroethene	6.6	U	1.1	6.6
Trichlorofluoromethane	6.6	U	0.20	6.6
1,2,3-Trichloropropane	6.6	U	1.2	6.6
1,1,2-Trichloro-1,2,2-trifluoroethane	6.6	U	1.0	6.6
1,2,4-Trimethylbenzene	6.6	U	1.0	6.6
1,3,5-Trimethylbenzene	6.6	U	0.66	6.6
Vinyl chloride	6.6	U	0.30	6.6
m&p-Xylene	6.6	U	0.46	6.6
o-Xylene	6.6	U	0.25	6.6

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	59 - 132
4-Bromofluorobenzene	104	34 - 124
Dibromofluoromethane	96	59 - 123
Toluene-d8 (Surr)	99	50 - 118

jm 5/14/09

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: SB-46 (14-15)

Lab Sample ID: 220-8900-2
Client Matrix: Solid
% Moisture: 3.4
Date Sampled: 04/27/2009 1000
Date Received: 04/27/2009 1705

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/04/2009 1446
Date Prepared: 04/28/2009 1003

Analysis Batch: 220-26824
Prep Batch: 220-26644

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Z10822.D
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene	280	U	17	280
Acenaphthylene	280	U	14	280
Aniline	280	U	37	280
Anthracene	280	U	11	280
Benzo[a]anthracene	280	U	9.9	280
Benzo[b]fluoranthene	280	U	7.5	280
Benzo[g,h,i]perylene	280	U	18	280
Benzo[k]fluoranthene	280	U	25	280
Benzo[a]pyrene	280	U	7.6	280
Bis(2-chloroethyl)ether	280	U	14	280
Bis(2-chloroethoxy)methane	280	U	13	280
2,2'-oxybis[1-chloropropane]	280	U	14	280
Bis(2-ethylhexyl) phthalate	280	U	27	280
4-Bromophenyl phenyl ether	280	U	18	280
Benzyl alcohol	280	U	26	280
Butyl benzyl phthalate	280	U	16	280
Carbazole	280	U	16	280
4-Chloroaniline	280	U	45	280
4-Chloro-3-methylphenol	280	U	11	280
2-Chloronaphthalene	280	U	12	280
2-Chlorophenol	280	U	16	280
4-Chlorophenyl phenyl ether	280	U	21	280
Chrysene	280	U	21	280
Dibenzofuran	280	U	20	280
Dibenz(a,h)anthracene	280	U	22	280
3,3'-Dichlorobenzidine	690	U	57	690
2,4-Dichlorophenol	280	U	15	280
Diethyl phthalate	280	U	28	280
2,4-Dimethylphenol	280	U	14	280
Dimethyl phthalate	280	U	16	280
Benzoic acid	1800	U	390	1800
Di-n-butyl phthalate	280	U	41	280
4,6-Dinitro-2-methylphenol	1800	U	120	1800
2,4-Dinitrophenol	1800	U	84	1800
2,4-Dinitrotoluene	280	U	22	280
2,6-Dinitrotoluene	280	U	8.2	280
Di-n-octyl phthalate	280	U	16	280
Fluoranthene	280	U	14	280
Fluorene	280	U	17	280
Hexachlorobenzene	280	U	19	280
Hexachlorobutadiene	280	U	22	280
Hexachlorocyclopentadiene	690	U	130	690
Hexachloroethane	280	U	16	280
Indeno[1,2,3-cd]pyrene	280	U	18	280

Jan 5/22/09

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: SB-46 (14-15)

Lab Sample ID: 220-8900-2
Client Matrix: Solid
% Moisture: 3.4
Date Sampled: 04/27/2009 1000
Date Received: 04/27/2009 1705

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/04/2009 1446
Date Prepared: 04/28/2009 1003

Analysis Batch: 220-26824
Prep Batch: 220-26644

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Z10822.D
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Isophorone	280	U	15	280
2-Methylnaphthalene	280	U	8.0	280
2-Methylphenol	280	U	17	280
4-Methylphenol	280	U	18	280
Naphthalene	280	U	14	280
2-Nitroaniline	1800	U	17	1800
3-Nitroaniline	1800	U	8.9	1800
4-Nitroaniline	280	U	21	280
Nitrobenzene	280	U	18	280
2-Nitrophenol	280	U	18	280
4-Nitrophenol	1800	U	21	1800
N-Nitrosodiphenylamine	280	U	16	280
N-Nitrosodi-n-propylamine	280	U	19	280
Pentachlorophenol	1800	U	170	1800
Pentachloronitrobenzene	340	U	61	340
Phenanthrene	280	U	14	280
Phenol	280	U	19	280
Pyrene	280	U	13	280
Pyridine	1300	U	310	1300
1,2,4,5-Tetrachlorobenzene	340	U	45	340
1,2,4-Trichlorobenzene	280	U	18	280
2,4,5-Trichlorophenol	1800	U	14	1800
2,4,6-Trichlorophenol	280	U	7.7	280

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	68	24 - 150
2-Fluorobiphenyl	68	32 - 131
2-Fluorophenol	70	25 - 113
Nitrobenzene-d5	69	25 - 120
Phenol-d5	66	27 - 122
Terphenyl-d14	66	35 - 140

JAm 5/14/09

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: **SB-46 (14-15)**

Lab Sample ID: 220-8900-2
Client Matrix: Solid
% Moisture: 3.4
Date Sampled: 04/27/2009 1000
Date Received: 04/27/2009 1705

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/11/2009 1257
Date Prepared: 05/07/2009 1706

Analysis Batch: 220-27037
Prep Batch: 220-26938

Instrument ID: HP7890
Lab File ID: DX1021050.D
Initial Weight/Volume: 15.18 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	12000	U	12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	86	50 - 150

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: SB/MW-47 (24-25)

Lab Sample ID: 220-8900-3
Client Matrix: Solid
% Moisture: 8.1

Date Sampled: 04/27/2009 1100
Date Received: 04/27/2009 1705

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1529
Date Prepared: 04/28/2009 1437

Analysis Batch: 220-26843
Prep Batch: 220-26661

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0370.D
Initial Weight/Volume: 4.53 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	24	U	2.7	24
Acrylonitrile	6.0	U	1.7	6.0
Benzene	6.0	U	0.68	6.0
Bromobenzene	6.0	U	0.64	6.0
n-Butylbenzene	6.0	U	1.4	6.0
sec-Butylbenzene	6.0	U	0.64	6.0
tert-Butylbenzene	6.0	U	0.35	6.0
Bromodichloromethane	6.0	U	0.36	6.0
Bromoform	6.0	U	0.73	6.0
Bromomethane	6.0	U	2.5	6.0
Methyl Ethyl Ketone	12	U	1.9	12
Chlorobenzene	6.0	U	0.71	6.0
Carbon disulfide	6.0	UJ	0.49	6.0
Carbon tetrachloride	6.0	U	1.1	6.0
Chloroethane	6.0	U	1.2	6.0
Chloroform	6.0	U	0.41	6.0
Chloromethane	6.0	U	0.94	6.0
2-Chlorotoluene	6.0	U	0.77	6.0
4-Chlorotoluene	6.0	U	0.76	6.0
Dibromochloromethane	6.0	U	0.42	6.0
1,2-Dibromo-3-Chloropropane	12	U	5.4	12
1,2-Dibromoethane	6.0	U	0.91	6.0
Dibromomethane	6.0	U	0.77	6.0
1,2-Dichlorobenzene	6.0	U	0.29	6.0
1,3-Dichlorobenzene	6.0	U	0.25	6.0
1,4-Dichlorobenzene	6.0	U	0.80	6.0
trans-1,4-Dichloro-2-butene	12	U	1.3	12
Dichlorodifluoromethane	6.0	U	0.42	6.0
1,1-Dichloroethane	6.0	U	0.36	6.0
1,2-Dichloroethane	6.0	U	0.70	6.0
1,1-Dichloroethene	6.0	U	0.70	6.0
cis-1,2-Dichloroethene	6.0	U	0.44	6.0
trans-1,2-Dichloroethene	6.0	U	0.47	6.0
1,2-Dichloropropane	6.0	U	0.80	6.0
1,3-Dichloropropane	6.0	U	0.82	6.0
2,2-Dichloropropane	6.0	U	0.83	6.0
1,1-Dichloropropene	30	U	0.68	30
cis-1,3-Dichloropropene	6.0	U	0.67	6.0
trans-1,3-Dichloropropene	6.0	U	0.32	6.0
Ethylbenzene	6.0	U	0.84	6.0
Hexachlorobutadiene	6.0	U	0.74	6.0
2-Hexanone	12	U	1.4	12
Isopropylbenzene	6.0	U	0.23	6.0
4-Isopropyltoluene	6.0	U	0.64	6.0

5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: **SB/MW-47 (24-25)**

Lab Sample ID: 220-8900-3
Client Matrix: Solid
% Moisture: 8.1

Date Sampled: 04/27/2009 1100
Date Received: 04/27/2009 1705

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1529
Date Prepared: 04/28/2009 1437

Analysis Batch: 220-26843
Prep Batch: 220-26661

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0370.D
Initial Weight/Volume: 4.53 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~2.9~~ 2.4	~~J~~ U	1.3	24
methyl isobutyl ketone	6.0	U	0.66	6.0
Methyl tert-butyl ether	6.0	U	0.25	6.0
Naphthalene	6.0	U	0.35	6.0
N-Propylbenzene	6.0	U	0.73	6.0
Styrene	6.0	U	0.18	6.0
1,1,1,2-Tetrachloroethane	6.0	U	0.62	6.0
1,1,2,2-Tetrachloroethane	6.0	U	0.62	6.0
Toluene	6.0	U	0.089	6.0
Tetrachloroethene	6.0	U	0.97	6.0
Tetrahydrofuran	24	U	7.4	24
1,2,3-Trichlorobenzene	6.0	U	0.74	6.0
1,2,4-Trichlorobenzene	6.0	U	0.90	6.0
1,1,1-Trichloroethane	6.0	U	0.64	6.0
1,1,2-Trichloroethane	6.0	U	0.44	6.0
Trichloroethene	6.0	U	0.97	6.0
Trichlorofluoromethane	6.0	U	0.18	6.0
1,2,3-Trichloropropane	6.0	U	1.1	6.0
1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	U	0.95	6.0
1,2,4-Trimethylbenzene	6.0	U	0.91	6.0
1,3,5-Trimethylbenzene	6.0	U	0.60	6.0
Vinyl chloride	6.0	U	0.28	6.0
m&p-Xylene	6.0	U	0.42	6.0
o-Xylene	6.0	U	0.23	6.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	59 - 132
4-Bromofluorobenzene	99	34 - 124
Dibromofluoromethane	95	59 - 123
Toluene-d8 (Surr)	92	50 - 118

JM 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: SB/MW-47 (24-25)

Lab Sample ID: 220-8900-3
Client Matrix: Solid
% Moisture: 8.1
Date Sampled: 04/27/2009 1100
Date Received: 04/27/2009 1705

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/30/2009 1559
Date Prepared: 04/29/2009 1034

Analysis Batch: 220-26734
Prep Batch: 220-26686

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.08 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.3	U	1.3	4.3
Arsenic		5.5	U	1.8	5.5
Barium		81.9		0.065	1.3
Beryllium		~~0.27~~ 1.3U	~~J~~	0.065	1.3
Cadmium		1.3	U	0.26	1.3
Chromium		16.1		0.13	1.3
Copper		13.4		0.50	1.6
Lead		5.5 U.		0.81	3.9
Cobalt		6.1		0.13	1.3
Nickel		14.4		0.26	1.3
Selenium		9.8	U	3.3	9.8
Silver		1.3	U	0.065	1.3
Thallium		~~0.94~~ 3.9U	~~J~~	0.92	3.9
Vanadium		22.4		0.26	1.3
Zinc		35.2		1.3	6.5
Tin		3.9	U	1.0	3.9

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/06/2009 1615
Date Prepared: 05/05/2009 1305

Analysis Batch: 220-26917
Prep Batch: 220-26867

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.63 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.052	U	0.0041	0.052

6/17/09
6/24/09

5/28/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8900-2
Sdg Number: 220-8900

Client Sample ID: **SB/MW-47 (24-25)**

Lab Sample ID:	220-8900-3	Date Sampled:	04/27/2009 1100
Client Matrix:	Solid	Date Received:	04/27/2009 1705

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27517		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27288		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27275		Initial Weight/Volume:	100 mL
Date Analyzed:	05/28/2009 1421			Final Weight/Volume:	500 mL
Date Prepared:	05/20/2009 1112				
Date Leached:	05/19/2009 1530				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Chromium		~~2.4~~ 5.0U ✓	~~J~~	0.48	5.0
Lead		2.5	U	0.50	2.5
Vanadium		~~0.73~~ 2.5U	~~J~~ ✓	0.56	2.5
Cobalt		2.5	U	0.63	2.5

WJ 6/1/09 Am 6/15/09

General Chemistry

Client Sample ID: SB-45 (10-11)

Lab Sample ID: 220-8900-1
Client Matrix: Solid

Date Sampled: 04/27/2009 0900
Date Received: 04/27/2009 1705

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.02		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26667	Date Analyzed		04/28/2009 1519			
Percent Solids	96.0		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26667	Date Analyzed		04/28/2009 1519			

Client Sample ID: SB-46 (14-15)

Lab Sample ID: 220-8900-2
Client Matrix: Solid

Date Sampled: 04/27/2009 1000
Date Received: 04/27/2009 1705

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.40		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26667	Date Analyzed		04/28/2009 1519			
Percent Solids	96.6		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26667	Date Analyzed		04/28/2009 1519			

Client Sample ID: SB/MW-47 (24-25)

Lab Sample ID: 220-8900-3
Client Matrix: Solid

% Moisture: 8.1

Date Sampled: 04/27/2009 1100
Date Received: 04/27/2009 1705

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	540	U	ug/Kg	54	540	1.0	9012B
	Anly Batch: 220-26837	Date Analyzed		05/04/2009 1338			DryWt Corrected: Y
	Prep Batch: 220-26811	Date Prepared:		05/02/2009 1645			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.12		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26667	Date Analyzed		04/28/2009 1519			
Percent Solids	91.9		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26667	Date Analyzed		04/28/2009 1519			

JAm 5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: SB/MW-48 (24-25)

Lab Sample ID: 220-8900-4
Client Matrix: Solid
% Moisture: 5.7

Date Sampled: 04/27/2009 1600
Date Received: 04/27/2009 1705

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/06/2009 1342
Date Prepared: 04/28/2009 1438

Analysis Batch: 220-26932
Prep Batch: 220-26661

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0451.D
Initial Weight/Volume: 4.09 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	26	U	2.9	26
Acrylonitrile	6.5	U	1.8	6.5
Benzene	6.5	U	0.74	6.5
Bromobenzene	6.5	U	0.69	6.5
n-Butylbenzene	6.5	U	1.5	6.5
sec-Butylbenzene	6.5	U	0.69	6.5
tert-Butylbenzene	6.5	U	0.38	6.5
Bromodichloromethane	6.5	U	0.39	6.5
Bromoform	6.5	U	0.79	6.5
Bromomethane	6.5	UJ	2.7	6.5
Methyl Ethyl Ketone	13	U	2.1	13
Chlorobenzene	6.5	U	0.77	6.5
Carbon disulfide	6.5	UJ	0.53	6.5
Carbon tetrachloride	6.5	U	1.2	6.5
Chloroethane	6.5	UJ	1.3	6.5
Chloroform	6.5	U	0.44	6.5
Chloromethane	6.5	U	1.0	6.5
2-Chlorotoluene	6.5	U	0.83	6.5
4-Chlorotoluene	6.5	U	0.82	6.5
Dibromochloromethane	6.5	U	0.45	6.5
1,2-Dibromo-3-Chloropropane	13	U	5.9	13
1,2-Dibromoethane	6.5	U	0.99	6.5
Dibromomethane	6.5	U	0.83	6.5
1,2-Dichlorobenzene	6.5	U	0.31	6.5
1,3-Dichlorobenzene	6.5	U	0.27	6.5
1,4-Dichlorobenzene	6.5	U	0.87	6.5
trans-1,4-Dichloro-2-butene	13	U	1.5	13
Dichlorodifluoromethane	6.5	U	0.45	6.5
1,1-Dichloroethane	6.5	U	0.39	6.5
1,2-Dichloroethane	6.5	U	0.75	6.5
1,1-Dichloroethene	6.5	U	0.75	6.5
cis-1,2-Dichloroethene	6.5	U	0.48	6.5
trans-1,2-Dichloroethene	6.5	U	0.51	6.5
1,2-Dichloropropane	6.5	U	0.87	6.5
1,3-Dichloropropane	6.5	U	0.88	6.5
2,2-Dichloropropane	6.5	U	0.89	6.5
1,1-Dichloropropene	32	U	0.74	32
cis-1,3-Dichloropropene	6.5	U	0.73	6.5
trans-1,3-Dichloropropene	6.5	U	0.35	6.5
Ethylbenzene	6.5	U	0.91	6.5
Hexachlorobutadiene	6.5	U	0.80	6.5
2-Hexanone	13	U	1.6	13
Isopropylbenzene	6.5	U	0.25	6.5
4-Isopropyltoluene	6.5	U	0.69	6.5

JAM 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: **SB/MW-48 (24-25)**

Lab Sample ID: 220-8900-4
Client Matrix: Solid
% Moisture: 5.7

Date Sampled: 04/27/2009 1600
Date Received: 04/27/2009 1705

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/06/2009 1342
Date Prepared: 04/28/2009 1438

Analysis Batch: 220-26932
Prep Batch: 220-26661

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0451.D
Initial Weight/Volume: 4.09 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~2.8~~ 2.6 U	~~J~~	1.4	26
methyl isobutyl ketone	6.5	U	0.71	6.5
Methyl tert-butyl ether	6.5	U	0.27	6.5
Naphthalene	6.5	U	0.38	6.5
N-Propylbenzene	6.5	U	0.79	6.5
Styrene	6.5	U	0.19	6.5
1,1,1,2-Tetrachloroethane	6.5	U	0.67	6.5
1,1,2,2-Tetrachloroethane	6.5	U	0.67	6.5
Toluene	6.5	U	0.096	6.5
Tetrachloroethene	6.5	U	1.1	6.5
Tetrahydrofuran	26	U	8.0	26
1,2,3-Trichlorobenzene	6.5	U	0.80	6.5
1,2,4-Trichlorobenzene	6.5	U	0.97	6.5
1,1,1-Trichloroethane	6.5	U	0.69	6.5
1,1,2-Trichloroethane	6.5	U	0.48	6.5
Trichloroethene	6.5	U	1.1	6.5
Trichlorofluoromethane	6.5	U	0.19	6.5
1,2,3-Trichloropropane	6.5	U	1.2	6.5
1,1,2-Trichloro-1,2,2-trifluoroethane	6.5	U	1.0	6.5
1,2,4-Trimethylbenzene	6.5	U	0.99	6.5
1,3,5-Trimethylbenzene	6.5	U	0.65	6.5
Vinyl chloride	6.5	U	0.30	6.5
m&p-Xylene	6.5	U	0.45	6.5
o-Xylene	6.5	U	0.25	6.5

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	59 - 132
4-Bromofluorobenzene	96	34 - 124
Dibromofluoromethane	82	59 - 123
Toluene-d8 (Surr)	86	50 - 118

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8900-1
Sdg Number: 220-8900

Client Sample ID: SB/MW-48 (24-25)

Lab Sample ID:	220-8900-4		Date Sampled:	04/27/2009 1600
Client Matrix:	Solid	% Moisture: 5.7	Date Received:	04/27/2009 1705

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-26961	Instrument ID:	TJA Trace ICAP
Preparation:	3050B	Prep Batch: 220-26939	Lab File ID:	W050709
Dilution:	1.0		Initial Weight/Volume:	2.00 g
Date Analyzed:	05/07/2009 1527		Final Weight/Volume:	250 mL
Date Prepared:	05/07/2009 1106			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.4	U	1.4	4.4
Arsenic		5.6	U	1.8	5.6
Barium		51.1		0.066	1.3
Beryllium		~~0.37~~ 1.3U ✓	~~J~~	0.066	1.3
Cadmium		1.3	U	0.27	1.3
Chromium		11.0		0.13	1.3
Copper		14.3		0.50	1.6
Lead		~~3.4~~ 4.0U	~~J~~	0.82	4.0
Cobalt		4.6		0.13	1.3
Nickel		11.4		0.27	1.3
Selenium		9.9	U	3.3	9.9
Silver		1.3	U	0.066	1.3
Thallium		4.0	U	0.93	4.0
Vanadium		16.8		0.27	1.3
Zinc		26.3		1.3	6.6
Tin		4.0	U	1.1	4.0

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-26971	Instrument ID:	Perkin Elmer FIMS
Preparation:	7471A	Prep Batch: 220-26952	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.64 g
Date Analyzed:	05/08/2009 1050		Final Weight/Volume:	50 mL
Date Prepared:	05/07/2009 1300			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.050	U	0.0040	0.050

Jan 6/17/09
JW 12/25/09

Jan 5/28/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8900-2
Sdg Number: 220-8900

Client Sample ID: **SB/MW-48 (24-25)**

Lab Sample ID:	220-8900-4	Date Sampled:	04/27/2009 1600
Client Matrix:	Solid	Date Received:	04/27/2009 1705

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27517		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27288		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27275		Initial Weight/Volume:	100 mL
Date Analyzed:	05/28/2009 1425			Final Weight/Volume:	500 mL
Date Prepared:	05/20/2009 1112				
Date Leached:	05/19/2009 1530				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Chromium		~~8.0~~ 5.0U	~~J~~	0.48	5.0
Lead		2.5	U	0.50	2.5
Vanadium		~~0.90~~ 2.5U	~~J~~	0.56	2.5
Cobalt		2.5	U	0.63	2.5

WO 6/25/09 Jm 6/15/09

General Chemistry

Client Sample ID: **SB/MW-48 (24-25)**

Lab Sample ID: 220-8900-4
Client Matrix: Solid

% Moisture: 5.7

Date Sampled: 04/27/2009 1600
Date Received: 04/27/2009 1705

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	530	U	ug/Kg	53	530	1.0	9012B
	Anly Batch: 220-26992	Date Analyzed		05/08/2009 1528			DryWt Corrected: Y
	Prep Batch: 220-26989	Date Prepared:		05/07/2009 1330			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.73		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26916	Date Analyzed		05/06/2009 1623			
Percent Solids	94.3		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26916	Date Analyzed		05/06/2009 1623			

Jam 5/28/09

'J' values changed too

No other changes

JW 6/25/09 JAM 6/17/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

Client Sample ID: **SB-49 (1.5-2.5)**

Lab Sample ID: 220-8920-1
Client Matrix: Solid
% Moisture: 3.4

Date Sampled: 04/28/2009 1400
Date Received: 04/28/2009 1655

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1554
Date Prepared: 04/30/2009 0924

Analysis Batch: 220-26843
Prep Batch: 220-26713

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0371.D
Initial Weight/Volume: 4.49 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	23	U ~~J~~	2.6	23
Acrylonitrile	5.8	U	1.6	5.8
Benzene	5.8	U	0.66	5.8
Bromobenzene	5.8	U	0.61	5.8
n-Butylbenzene	5.8	U	1.3	5.8
sec-Butylbenzene	5.8	U	0.61	5.8
tert-Butylbenzene	5.8	U	0.33	5.8
Bromodichloromethane	5.8	U	0.35	5.8
Bromoform	5.8	U	0.70	5.8
Bromomethane	5.8	U	2.4	5.8
Methyl Ethyl Ketone	12	U	1.8	12
Chlorobenzene	5.8	U	0.68	5.8
Carbon disulfide	5.8	U ~~J~~	0.47	5.8
Carbon tetrachloride	5.8	U	1.1	5.8
Chloroethane	5.8	U	1.1	5.8
Chloroform	5.8	U	0.39	5.8
Chloromethane	5.8	U	0.90	5.8
2-Chlorotoluene	5.8	U	0.74	5.8
4-Chlorotoluene	5.8	U	0.73	5.8
Dibromochloromethane	5.8	U	0.40	5.8
1,2-Dibromo-3-Chloropropane	12	U	5.2	12
1,2-Dibromoethane	5.8	U	0.88	5.8
Dibromomethane	5.8	U	0.74	5.8
1,2-Dichlorobenzene	5.8	U	0.28	5.8
1,3-Dichlorobenzene	5.8	U	0.24	5.8
1,4-Dichlorobenzene	5.8	U	0.77	5.8
trans-1,4-Dichloro-2-butene	12	U ~~J~~	1.3	12
Dichlorodifluoromethane	5.8	U	0.40	5.8
1,1-Dichloroethane	5.8	U	0.35	5.8
1,2-Dichloroethane	5.8	U	0.67	5.8
1,1-Dichloroethene	5.8	U	0.67	5.8
cis-1,2-Dichloroethene	5.8	U	0.43	5.8
trans-1,2-Dichloroethene	5.8	U	0.45	5.8
1,2-Dichloropropane	5.8	U	0.77	5.8
1,3-Dichloropropane	5.8	U	0.78	5.8
2,2-Dichloropropane	5.8	U	0.80	5.8
1,1-Dichloropropene	29	U	0.66	29
cis-1,3-Dichloropropene	5.8	U	0.65	5.8
trans-1,3-Dichloropropene	5.8	U	0.31	5.8
Ethylbenzene	5.8	U	0.81	5.8
Hexachlorobutadiene	5.8	U	0.71	5.8
2-Hexanone	12	U	1.4	12
Isopropylbenzene	5.8	U	0.22	5.8
4-Isopropyltoluene	5.8	U	0.61	5.8

JAM 5/21/10

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

Client Sample ID: SB-49 (1.5-2.5)

Lab Sample ID: 220-8920-1
Client Matrix: Solid
% Moisture: 3.4
Date Sampled: 04/28/2009 1400
Date Received: 04/28/2009 1655

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1554
Date Prepared: 04/30/2009 0924

Analysis Batch: 220-26843
Prep Batch: 220-26713

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0371.D
Initial Weight/Volume: 4.49 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	23	U	1.3	23
methyl isobutyl ketone	5.8	U	0.63	5.8
Methyl tert-butyl ether	5.8	U	0.24	5.8
Naphthalene	5.8	U	0.33	5.8
N-Propylbenzene	5.8	U	0.70	5.8
Styrene	5.8	U	0.17	5.8
1,1,1,2-Tetrachloroethane	5.8	U	0.60	5.8
1,1,2,2-Tetrachloroethane	5.8	U	0.60	5.8
Toluene	5.8	U	0.085	5.8
Tetrachloroethene	5.8	U	0.93	5.8
Tetrahydrofuran	23	U	7.1	23
1,2,3-Trichlorobenzene	5.8	U	0.71	5.8
1,2,4-Trichlorobenzene	5.8	U	0.86	5.8
1,1,1-Trichloroethane	5.8	U	0.61	5.8
1,1,2-Trichloroethane	5.8	U	0.43	5.8
Trichloroethene	5.8	U	0.93	5.8
Trichlorofluoromethane	5.8	U	0.17	5.8
1,2,3-Trichloropropane	5.8	U	1.1	5.8
1,1,2-Trichloro-1,2,2-trifluoroethane	5.8	U	0.91	5.8
1,2,4-Trimethylbenzene	5.8	U	0.68	5.8
1,3,5-Trimethylbenzene	5.8	U	0.58	5.8
Vinyl chloride	5.8	U	0.27	5.8
m&p-Xylene	5.8	U	0.40	5.8
o-Xylene	5.8	U	0.22	5.8

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	59 - 132
4-Bromofluorobenzene	99	34 - 124
Dibromofluoromethane	95	59 - 123
Toluene-d8 (Surr)	97	50 - 118

5/21/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

Client Sample ID: SB-49 (1.5-2.5)

Lab Sample ID: 220-8920-1
Client Matrix: Solid
% Moisture: 3.4
Date Sampled: 04/28/2009 1400
Date Received: 04/28/2009 1655

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/07/2009 1602
Date Prepared: 05/07/2009 1106

Analysis Batch: 220-26961
Prep Batch: 220-26939

Instrument ID: TJA Trace ICAP
Lab File ID: W050709
Initial Weight/Volume: 2.02 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.2	U	1.3	4.2
Arsenic		~~1.9~~ 5.4U	~~J~~	1.7	5.4
Barium		27.6		0.064	1.3
Beryllium		~~0.30~~ 1.3U	~~J~~	0.064	1.3
Cadmium		1.3	U	0.26	1.3
Chromium		7.7		0.13	1.3
Copper		16.1		0.49	1.5
Lead		5.3		0.79	3.8
Cobalt		3.2		0.13	1.3
Nickel		8.1		0.26	1.3
Selenium		9.6	U	3.2	9.6
Silver		~~0.074~~ 1.3U	~~J~~	0.064	1.3
Thallium		3.8	U	0.90	3.8
Vanadium		10.3		0.26	1.3
Zinc		22.3		1.3	6.4
Tin		3.8	U	1.0	3.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/06/2009 1621
Date Prepared: 05/05/2009 1305

Analysis Batch: 220-26917
Prep Batch: 220-26867

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.0050~~ 0.051U	~~J~~	0.0041	0.051

6/17/09
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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8920-2
Sdg Number: 220-8920

Client Sample ID: **SB-49 (1.5-2.5)**

Lab Sample ID:	220-8920-1	Date Sampled:	04/28/2009 1400
Client Matrix:	Solid	Date Received:	04/28/2009 1655

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27517		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27288		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27255		Initial Weight/Volume:	100 mL
Date Analyzed:	05/28/2009 1410			Final Weight/Volume:	500 mL
Date Prepared:	05/20/2009 1112				
Date Leached:	05/18/2009 1530				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Lead		2.5	U	0.50	2.5
Vanadium		~~1.2~~ 2.5	~~J~~ U	0.56	2.5

LO 6/25/09 Pm 6/25/09

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

Client Sample ID: SB-49 (1.5-2.5)

Lab Sample ID:	220-8920-1			Date Sampled:	04/28/2009 1400
Client Matrix:	Solid	% Moisture:	3.4	Date Received:	04/28/2009 1655

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26938		Lab File ID:	DX1021069.D
Dilution:	1.0			Initial Weight/Volume:	15.45 g
Date Analyzed:	05/11/2009 2227			Final Weight/Volume:	1.0 mL
Date Prepared:	05/07/2009 1706			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	12000	U	12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	101	50 - 150

jm 5/21/09

5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

Client Sample ID: **SB-50 (1.5-2.5)**

Lab Sample ID: 220-8920-2
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 04/28/2009 1500
Date Received: 04/28/2009 1655

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1619
Date Prepared: 04/30/2009 0925

Analysis Batch: 220-26843
Prep Batch: 220-26713

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0372.D
Initial Weight/Volume: 5.15 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	20	U	2.3	20
Acrylonitrile	5.1	U	1.4	5.1
Benzene	5.1	U	0.58	5.1
Bromobenzene	5.1	U	0.54	5.1
n-Butylbenzene	5.1	U	1.2	5.1
sec-Butylbenzene	5.1	U	0.54	5.1
tert-Butylbenzene	5.1	U	0.30	5.1
Bromodichloromethane	5.1	U	0.31	5.1
Bromoform	5.1	U	0.62	5.1
Bromomethane	5.1	U	2.1	5.1
Methyl Ethyl Ketone	10	U	1.6	10
Chlorobenzene	5.1	U	0.60	5.1
Carbon disulfide	5.1	U	0.42	5.1
Carbon tetrachloride	5.1	U	0.97	5.1
Chloroethane	5.1	U	1.0	5.1
Chloroform	5.1	U	0.35	5.1
Chloromethane	5.1	U	0.80	5.1
2-Chlorotoluene	5.1	U	0.65	5.1
4-Chlorotoluene	5.1	U	0.64	5.1
Dibromochloromethane	5.1	U	0.36	5.1
1,2-Dibromo-3-Chloropropane	10	U	4.6	10
1,2-Dibromoethane	5.1	U	0.78	5.1
Dibromomethane	5.1	U	0.65	5.1
1,2-Dichlorobenzene	5.1	U	0.25	5.1
1,3-Dichlorobenzene	5.1	U	0.21	5.1
1,4-Dichlorobenzene	5.1	U	0.68	5.1
trans-1,4-Dichloro-2-butene	10	U	1.1	10
Dichlorodifluoromethane	5.1	U	0.36	5.1
1,1-Dichloroethane	5.1	U	0.31	5.1
1,2-Dichloroethane	5.1	U	0.59	5.1
1,1-Dichloroethene	5.1	U	0.59	5.1
cis-1,2-Dichloroethene	5.1	U	0.36	5.1
trans-1,2-Dichloroethene	5.1	U	0.40	5.1
1,2-Dichloropropane	5.1	U	0.68	5.1
1,3-Dichloropropane	5.1	U	0.69	5.1
2,2-Dichloropropane	5.1	U	0.71	5.1
1,1-Dichloropropene	26	U	0.58	26
cis-1,3-Dichloropropene	5.1	U	0.57	5.1
trans-1,3-Dichloropropene	5.1	U	0.28	5.1
Ethylbenzene	5.1	U	0.72	5.1
Hexachlorobutadiene	5.1	U	0.63	5.1
2-Hexanone	10	U	1.2	10
Isopropylbenzene	5.1	U	0.19	5.1
4-Isopropyltoluene	5.1	U	0.54	5.1

JVM 5/21/09

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

Client Sample ID: **SB-50 (1.5-2.5)**

Lab Sample ID: 220-8920-2
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 04/28/2009 1500
Date Received: 04/28/2009 1655

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1619
Date Prepared: 04/30/2009 0925

Analysis Batch: 220-26843
Prep Batch: 220-26713

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0372.D
Initial Weight/Volume: 5.15 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	20	U	1.1	20
methyl isobutyl ketone	5.1	U	0.56	5.1
Methyl tert-butyl ether	5.1	U	0.21	5.1
Naphthalene	5.1	U	0.30	5.1
N-Propylbenzene	5.1	U	0.62	5.1
Styrene	5.1	U	0.15	5.1
1,1,1,2-Tetrachloroethane	5.1	U	0.53	5.1
1,1,2,2-Tetrachloroethane	5.1	U	0.53	5.1
Toluene	5.1	U	0.076	5.1
Tetrachloroethene	~~4.5~~ 5.1 U	~~J~~	0.83	5.1
Tetrahydrofuran	20	U	6.3	20
1,2,3-Trichlorobenzene	5.1	U	0.63	5.1
1,2,4-Trichlorobenzene	5.1	U	0.77	5.1
1,1,1-Trichloroethane	5.1	U	0.54	5.1
1,1,2-Trichloroethane	5.1	U	0.38	5.1
Trichloroethene	5.1	U	0.83	5.1
Trichlorofluoromethane	5.1	U	0.15	5.1
1,2,3-Trichloropropane	5.1	U	0.94	5.1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	U	0.81	5.1
1,2,4-Trimethylbenzene	5.1	U	0.78	5.1
1,3,5-Trimethylbenzene	5.1	U	0.51	5.1
Vinyl chloride	5.1	U	0.24	5.1
m&p-Xylene	5.1	U	0.36	5.1
o-Xylene	5.1	U	0.19	5.1

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	59 - 132
4-Bromofluorobenzene	91	34 - 124
Dibromofluoromethane	89	59 - 123
Toluene-d8 (Surr)	90	50 - 118

jhm 5/21/09

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

Client Sample ID: SB-50 (1.5-2.5)

Lab Sample ID:	220-8920-2		Date Sampled:	04/28/2009 1500
Client Matrix:	Solid	% Moisture: 5.0	Date Received:	04/28/2009 1655

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-27049	Instrument ID:	TJA Trace ICAP
Preparation:	3050B	Prep Batch: 220-26939	Lab File ID:	W051109
Dilution:	1.0		Initial Weight/Volume:	2.05 g
Date Analyzed:	05/11/2009 1558		Final Weight/Volume:	250 mL
Date Prepared:	05/07/2009 1106			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.2	U	1.3	4.2
Arsenic		~~2.0~~ 5.4U ✓	~~J~~	1.7	5.4
Barium		29.7		0.064	1.3
Beryllium		~~0.37~~ 1.3U ✓	~~J~~	0.064	1.3
Cadmium		2.0		0.26	1.3
Chromium		86.5		0.13	1.3
Copper		55.8		0.49	1.5
Lead		13.7		0.80	3.9
Cobalt		4.1		0.13	1.3
Nickel		46.9		0.26	1.3
Selenium		9.6	U	3.2	9.6
Silver		~~0.12~~ 1.3U ✓	~~J~~	0.064	1.3
Thallium		3.9	U	0.90	3.9
Vanadium		15.7		0.26	1.3
Zinc		92.2		1.3	6.4
Tin		4.5		1.0	3.9

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-26917	Instrument ID:	Perkin Elmer FIMS
Preparation:	7471A	Prep Batch: 220-26867	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.62 g
Date Analyzed:	05/06/2009 1622		Final Weight/Volume:	50 mL
Date Prepared:	05/05/2009 1305			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.070		0.0041	0.051

6/17/09
6/25/09

5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-8920-2
Sdg Number: 220-8920

Client Sample ID: **SB-50 (1.5-2.5)**

Lab Sample ID: 220-8920-2
Client Matrix: Solid

Date Sampled: 04/28/2009 1500
Date Received: 04/28/2009 1655

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27517		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27288		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27255		Initial Weight/Volume:	100 mL
Date Analyzed:	05/28/2009 1414			Final Weight/Volume:	500 mL
Date Prepared:	05/20/2009 1112				
Date Leached:	05/18/2009 1530				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		2.5		0.28	2.5
Cadmium		2.6		0.21	2.5
Chromium		124		0.48	5.0
Nickel		54.2		0.58	2.5
Lead		12.0		0.50	2.5
Vanadium		11.0		0.56	2.5
Cobalt		~~0.87~~ 2.5	U ✓ ~~J~~	0.63	2.5

VW 6/25/09 JM 6/15/09

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

Client Sample ID: **SB-50 (1.5-2.5)**

Lab Sample ID:	220-8920-2			Date Sampled:	04/28/2009 1500
Client Matrix:	Solid	% Moisture:	5.0	Date Received:	04/28/2009 1655

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26938		Lab File ID:	DX1021070.D
Dilution:	1.0			Initial Weight/Volume:	15.77 g
Date Analyzed:	05/11/2009 2246			Final Weight/Volume:	1.0 mL
Date Prepared:	05/07/2009 1706			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	54000		12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	92	50 - 150

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

General Chemistry

Client Sample ID: SB-49 (1.5-2.5)

Lab Sample ID: 220-8920-1
Client Matrix: Solid
% Moisture: 3.4
Date Sampled: 04/28/2009 1400
Date Received: 04/28/2009 1655

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	520	U	ug/Kg	52	520	1.0	9012B
	Anly Batch: 220-26837		Date Analyzed	05/04/2009 1341			DryWt Corrected: Y
	Prep Batch: 220-26811		Date Prepared:	05/02/2009 1645			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.40		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26701		Date Analyzed	04/29/2009 1558			
Percent Solids	96.6		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26701		Date Analyzed	04/29/2009 1558			

Client Sample ID: SB-50 (1.5-2.5)

Lab Sample ID: 220-8920-2
Client Matrix: Solid
% Moisture: 5.0
Date Sampled: 04/28/2009 1500
Date Received: 04/28/2009 1655

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	2800		ug/Kg	53	530	1.0	9012B
	Anly Batch: 220-26837		Date Analyzed	05/04/2009 1343			DryWt Corrected: Y
	Prep Batch: 220-26811		Date Prepared:	05/02/2009 1645			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.00		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26701		Date Analyzed	04/29/2009 1558			
Percent Solids	95.0		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26701		Date Analyzed	04/29/2009 1558			

5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

Client Sample ID: SB-51 (1.5-2.5)

Lab Sample ID: 220-8920-3
Client Matrix: Solid
% Moisture: 3.0
Date Sampled: 04/28/2009 1530
Date Received: 04/28/2009 1655

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1644
Date Prepared: 04/30/2009 0926

Analysis Batch: 220-26843
Prep Batch: 220-26713

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0373.D
Initial Weight/Volume: 4.76 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	22	U ?	2.4	22
Acrylonitrile	5.4	U	1.5	5.4
Benzene	5.4	U	0.62	5.4
Bromobenzene	5.4	U	0.57	5.4
n-Butylbenzene	5.4	U	1.2	5.4
sec-Butylbenzene	5.4	U	0.57	5.4
tert-Butylbenzene	5.4	U	0.31	5.4
Bromodichloromethane	5.4	U	0.32	5.4
Bromoform	5.4	U	0.66	5.4
Bromomethane	5.4	U	2.3	5.4
Methyl Ethyl Ketone	11	U	1.7	11
Chlorobenzene	5.4	U	0.64	5.4
Carbon disulfide	5.4	UJ	0.44	5.4
Carbon tetrachloride	5.4	U	1.0	5.4
Chloroethane	5.4	U	1.1	5.4
Chloroform	5.4	U	0.37	5.4
Chloromethane	5.4	U	0.84	5.4
2-Chlorotoluene	5.4	U	0.69	5.4
4-Chlorotoluene	5.4	U	0.68	5.4
Dibromochloromethane	5.4	U	0.38	5.4
1,2-Dibromo-3-Chloropropane	11	U	4.9	11
1,2-Dibromoethane	5.4	U	0.82	5.4
Dibromomethane	5.4	U	0.69	5.4
1,2-Dichlorobenzene	5.4	U	0.26	5.4
1,3-Dichlorobenzene	5.4	U	0.23	5.4
1,4-Dichlorobenzene	5.4	U	0.73	5.4
trans-1,4-Dichloro-2-butene	11	U ?	1.2	11
Dichlorodifluoromethane	5.4	U	0.38	5.4
1,1-Dichloroethane	5.4	U	0.32	5.4
1,2-Dichloroethane	5.4	U	0.63	5.4
1,1-Dichloroethene	5.4	U	0.63	5.4
cis-1,2-Dichloroethene	5.4	U	0.40	5.4
trans-1,2-Dichloroethene	5.4	U	0.42	5.4
1,2-Dichloropropane	5.4	U	0.73	5.4
1,3-Dichloropropane	5.4	U	0.74	5.4
2,2-Dichloropropane	5.4	U	0.75	5.4
1,1-Dichloropropene	27	U	0.62	27
cis-1,3-Dichloropropene	5.4	U	0.61	5.4
trans-1,3-Dichloropropene	5.4	U	0.29	5.4
Ethylbenzene	5.4	U	0.76	5.4
Hexachlorobutadiene	5.4	U	0.67	5.4
2-Hexanone	11	U	1.3	11
Isopropylbenzene	5.4	U	0.21	5.4
4-Isopropyltoluene	5.4	U	0.57	5.4

5/21/09

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

Client Sample ID: **SB-51 (1.5-2.5)**

Lab Sample ID: 220-8920-3
Client Matrix: Solid
% Moisture: 3.0

Date Sampled: 04/28/2009 1530
Date Received: 04/28/2009 1655

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1644
Date Prepared: 04/30/2009 0926

Analysis Batch: 220-26843
Prep Batch: 220-26713

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0373.D
Initial Weight/Volume: 4.76 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	22	U	1.2	22
methyl isobutyl ketone	5.4	U	0.60	5.4
Methyl tert-butyl ether	5.4	U	0.23	5.4
Naphthalene	5.4	U	0.31	5.4
N-Propylbenzene	5.4	U	0.66	5.4
Styrene	5.4	U	0.16	5.4
1,1,1,2-Tetrachloroethane	5.4	U	0.56	5.4
1,1,2,2-Tetrachloroethane	5.4	U	0.56	5.4
Toluene	5.4	U	0.080	5.4
Tetrachloroethene	8.6		0.88	5.4
Tetrahydrofuran	22	U	6.7	22
1,2,3-Trichlorobenzene	5.4	U	0.67	5.4
1,2,4-Trichlorobenzene	5.4	U	0.81	5.4
1,1,1-Trichloroethane	5.4	U	0.57	5.4
1,1,2-Trichloroethane	5.4	U	0.40	5.4
Trichloroethene	5.4	U	0.88	5.4
Trichlorofluoromethane	5.4	U	0.16	5.4
1,2,3-Trichloropropane	5.4	U	1.0	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	U	0.86	5.4
1,2,4-Trimethylbenzene	5.4	U	0.82	5.4
1,3,5-Trimethylbenzene	5.4	U	0.54	5.4
Vinyl chloride	5.4	U	0.25	5.4
m&p-Xylene	5.4	U	0.38	5.4
o-Xylene	5.4	U	0.21	5.4

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	59 - 132
4-Bromofluorobenzene	94	34 - 124
Dibromofluoromethane	90	59 - 123
Toluene-d8 (Surr)	88	50 - 118

AM 5/15/10

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

Client Sample ID: SB-51 (1.5-2.5)

Lab Sample ID: 220-8920-3
Client Matrix: Solid
% Moisture: 3.0
Date Sampled: 04/28/2009 1530
Date Received: 04/28/2009 1655

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/11/2009 1615
Date Prepared: 05/07/2009 1106
Analysis Batch: 220-27049
Prep Batch: 220-26939
Instrument ID: TJA Trace ICAP
Lab File ID: W051109
Initial Weight/Volume: 2.03 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.2	U	1.3	4.2
Arsenic		5.3	U	1.7	5.3
Barium		13.0		0.063	1.3
Beryllium		~~0.23~~ 1.3U ✓	~~J~~	0.063	1.3
Cadmium		1.3	U	0.25	1.3
Chromium		4.3		0.13	1.3
Copper		7.9		0.48	1.5
Lead		~~2.8~~ 3.8U ✓	~~J~~	0.79	3.8
Cobalt		2.5		0.13	1.3
Nickel		5.1		0.25	1.3
Selenium		9.5	U	3.2	9.5
Silver		1.3	U	0.063	1.3
Thallium		3.8	U	0.89	3.8
Vanadium		7.7		0.25	1.3
Zinc		10		1.3	6.3
Tin		3.8	U	1.0	3.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/06/2009 1624
Date Prepared: 05/05/2009 1305
Analysis Batch: 220-26917
Prep Batch: 220-26867
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.052	U	0.0041	0.052

6/17/09
6/25/09

5/28/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8920-2
Sdg Number: 220-8920

Client Sample ID: ***SB-51 (1.5-2.5)***

Lab Sample ID: 220-8920-3
Client Matrix: Solid

Date Sampled: 04/28/2009 1530
Date Received: 04/28/2009 1655

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27517		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27288		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27255		Initial Weight/Volume:	100 mL
Date Analyzed:	05/28/2009 1417			Final Weight/Volume:	500 mL
Date Prepared:	05/20/2009 1112				
Date Leached:	05/18/2009 1530				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Cobalt		2.5	U	0.63	2.5

06/05/2009

Client: GEI Consultants, Inc.

Job Number: 220-8920-1
Sdg Number: 220-8920

Client Sample ID: **SB-51 (1.5-2.5)**

Lab Sample ID:	220-8920-3			Date Sampled:	04/28/2009 1530
Client Matrix:	Solid	% Moisture:	3.0	Date Received:	04/28/2009 1655

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26938		Lab File ID:	DX1021071.D
Dilution:	1.0			Initial Weight/Volume:	15.41 g
Date Analyzed:	05/11/2009 2306			Final Weight/Volume:	1.0 mL
Date Prepared:	05/07/2009 1706			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	12000	U	12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	93	50 - 150

Jm 5/14/09
WY 5/29/09

General Chemistry

Client Sample ID: **SB-51 (1.5-2.5)**

Lab Sample ID: 220-8920-3
Client Matrix: Solid
% Moisture: 3.0
Date Sampled: 04/28/2009 1530
Date Received: 04/28/2009 1655

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	520	U	ug/Kg	52	520	1.0	9012B
	Anly Batch: 220-26837	Date Analyzed		05/04/2009 1344			DryWt Corrected: Y
	Prep Batch: 220-26811	Date Prepared:		05/02/2009 1645			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	2.99		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26701	Date Analyzed		04/29/2009 1558			
Percent Solids	97.0		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26701	Date Analyzed		04/29/2009 1558			

Client Sample ID: **FB 42809**

Lab Sample ID: 220-8920-4
Client Matrix: Water
Date Sampled: 04/28/2009 1600
Date Received: 04/28/2009 1655

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	10	U	ug/L	2.3	10	1.0	9012B
	Anly Batch: 220-26837	Date Analyzed		05/04/2009 1345			
	Prep Batch: 220-26808	Date Prepared:		05/02/2009 1645			

Jan 5/28/09

Revised LAM 6/17/09
CW 6/25/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB-52 (1.5-2.5)**

Lab Sample ID: 220-8934-1
Client Matrix: Solid
% Moisture: 5.4

Date Sampled: 04/29/2009 0900
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1849
Date Prepared: 04/30/2009 1558

Analysis Batch: 220-26843
Prep Batch: 220-26740

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0378.D
Initial Weight/Volume: 5.31 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~3.4~~ 260	~~J~~	2.2	20
Acrylonitrile	5.0	U	1.4	5.0
Benzene	5.0	U	0.57	5.0
Bromobenzene	5.0	U	0.53	5.0
n-Butylbenzene	5.0	U	1.1	5.0
sec-Butylbenzene	5.0	U	0.53	5.0
tert-Butylbenzene	5.0	U	0.29	5.0
Bromodichloromethane	5.0	U	0.30	5.0
Bromoform	5.0	U	0.61	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.6	10
Chlorobenzene	5.0	U	0.59	5.0
Carbon disulfide	5.0	UJ	0.41	5.0
Carbon tetrachloride	5.0	U	0.95	5.0
Chloroethane	5.0	U	0.98	5.0
Chloroform	5.0	U	0.34	5.0
Chloromethane	5.0	U	0.78	5.0
2-Chlorotoluene	5.0	U	0.64	5.0
4-Chlorotoluene	5.0	U	0.63	5.0
Dibromochloromethane	5.0	U	0.35	5.0
1,2-Dibromo-3-Chloropropane	10	U	4.5	10
1,2-Dibromoethane	5.0	U	0.76	5.0
Dibromomethane	5.0	U	0.64	5.0
1,2-Dichlorobenzene	5.0	U	0.24	5.0
1,3-Dichlorobenzene	5.0	U	0.21	5.0
1,4-Dichlorobenzene	5.0	U	0.67	5.0
trans-1,4-Dichloro-2-butene	10	U	1.1	10
Dichlorodifluoromethane	5.0	U	0.35	5.0
1,1-Dichloroethane	5.0	U	0.30	5.0
1,2-Dichloroethane	5.0	U	0.58	5.0
1,1-Dichloroethene	5.0	U	0.58	5.0
cis-1,2-Dichloroethene	5.0	U	0.37	5.0
trans-1,2-Dichloroethene	5.0	U	0.39	5.0
1,2-Dichloropropane	5.0	U	0.67	5.0
1,3-Dichloropropane	5.0	U	0.68	5.0
2,2-Dichloropropane	5.0	U	0.69	5.0
1,1-Dichloropropene	25	U	0.57	25
cis-1,3-Dichloropropene	5.0	U	0.56	5.0
trans-1,3-Dichloropropene	5.0	U	0.27	5.0
Ethylbenzene	5.0	U	0.70	5.0
Hexachlorobutadiene	5.0	U	0.62	5.0
2-Hexanone	10	U	1.2	10
Isopropylbenzene	5.0	U	0.19	5.0
4-Isopropyltoluene	5.0	U	0.53	5.0

JM 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB-52 (1.5-2.5)**

Lab Sample ID: 220-8934-1
Client Matrix: Solid
% Moisture: 5.4

Date Sampled: 04/29/2009 0900
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1849
Date Prepared: 04/30/2009 1558

Analysis Batch: 220-26843
Prep Batch: 220-26740

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0378.D
Initial Weight/Volume: 5.31 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~4.2~~ 20U	~~J~~	1.1	20
methyl isobutyl ketone	5.0	U	0.55	5.0
Methyl tert-butyl ether	5.0	U	0.21	5.0
Naphthalene	5.0	U	0.29	5.0
N-Propylbenzene	5.0	U	0.61	5.0
Styrene	5.0	U	0.15	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.52	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.52	5.0
Toluene	5.0	U	0.074	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Tetrahydrofuran	20	U	6.1	20
1,2,3-Trichlorobenzene	5.0	U	0.62	5.0
1,2,4-Trichlorobenzene	5.0	U	0.75	5.0
1,1,1-Trichloroethane	5.0	U	0.53	5.0
1,1,2-Trichloroethane	5.0	U	0.37	5.0
Trichloroethene	5.0	U	0.81	5.0
Trichlorofluoromethane	5.0	U	0.15	5.0
1,2,3-Trichloropropane	5.0	U	0.92	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	0.79	5.0
1,2,4-Trimethylbenzene	5.0	U	0.76	5.0
1,3,5-Trimethylbenzene	5.0	U	0.50	5.0
Vinyl chloride	5.0	U	0.23	5.0
m&p-Xylene	5.0	U	0.35	5.0
o-Xylene	5.0	U	0.19	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	59 - 132
4-Bromofluorobenzene	88	34 - 124
Dibromofluoromethane	82	59 - 123
Toluene-d8 (Surr)	85	50 - 118

JRM 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: SB-52 (1.5-2.5)

Lab Sample ID: 220-8934-1
Client Matrix: Solid
% Moisture: 5.4
Date Sampled: 04/29/2009 0900
Date Received: 04/29/2009 1707

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/07/2009 1607
Date Prepared: 05/07/2009 1106

Analysis Batch: 220-26961
Prep Batch: 220-26939

Instrument ID: TJA Trace ICAP
Lab File ID: W050709
Initial Weight/Volume: 2.04 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.3	U	1.3	4.3
Arsenic		5.4	U	1.7	5.4
Barium		45.0		0.065	1.3
Beryllium		~~0.38~~ 1.3 U ✓	~~J~~	0.065	1.3
Cadmium		1.3	U	0.26	1.3
Chromium		8.6		0.13	1.3
Copper		12.3		0.49	1.6
Lead		4.4		0.80	3.9
Cobalt		3.7		0.13	1.3
Nickel		7.3		0.26	1.3
Selenium		9.7	U	3.2	9.7
Silver		1.3	U	0.065	1.3
Thallium		3.9	U	0.91	3.9
Vanadium		15.4		0.26	1.3
Zinc		27.8		1.3	6.5
Tin		3.9	U	1.0	3.9

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/06/2009 1624
Date Prepared: 05/05/2009 1305

Analysis Batch: 220-26917
Prep Batch: 220-26867

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.014~~ 0.051 U ✓	~~J~~	0.0041	0.051

JM 6/17/09
6/25/09

JM 5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-2
Sdg Number: 220-8934

Client Sample ID: **SB-52 (1.5-2.5)**

Lab Sample ID:	220-8934-1	Date Sampled:	04/29/2009 0900
Client Matrix:	Solid	Date Received:	04/29/2009 1707

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27517		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27286		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27275		Initial Weight/Volume:	100 mL
Date Analyzed:	05/28/2009 1428			Final Weight/Volume:	500 mL
Date Prepared:	05/20/2009 1112				
Date Leached:	05/19/2009 1530				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Cobalt		2.5	U	0.63	2.5
Lead		~~1.5~~ 2.5U	~~J~~	0.50	2.5
Vanadium		2.7		0.56	2.5

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: SB-52 (1.5-2.5)

Lab Sample ID: 220-8934-1
Client Matrix: Solid
% Moisture: 5.4
Date Sampled: 04/29/2009 0900
Date Received: 04/29/2009 1707

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/12/2009 0202
Date Prepared: 04/29/2009 1951

Analysis Batch: 220-27037
Prep Batch: 220-26707

Instrument ID: HP7890
Lab File ID: DX1021080.D
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	13000	U	13000	13000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	92	50 - 150

5/22/09

5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB/MW-53 (1.5-2.5)**

Lab Sample ID: 220-8934-2
Client Matrix: Solid
% Moisture: 3.5
Date Sampled: 04/29/2009 1000
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1914
Date Prepared: 04/30/2009 1600

Analysis Batch: 220-26843
Prep Batch: 220-26740

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0379.D
Initial Weight/Volume: 4.95 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	21	U	2.3	21
Acrylonitrile	5.2	U	1.5	5.2
Benzene	5.2	U	0.60	5.2
Bromobenzene	5.2	U	0.55	5.2
n-Butylbenzene	5.2	U	1.2	5.2
sec-Butylbenzene	5.2	U	0.55	5.2
tert-Butylbenzene	5.2	U	0.30	5.2
Bromodichloromethane	5.2	U	0.31	5.2
Bromoform	5.2	U	0.64	5.2
Bromomethane	5.2	U	2.2	5.2
Methyl Ethyl Ketone	10	U	1.7	10
Chlorobenzene	5.2	U	0.62	5.2
Carbon disulfide	5.2	UJ	0.43	5.2
Carbon tetrachloride	5.2	U	0.99	5.2
Chloroethane	5.2	U	1.0	5.2
Chloroform	5.2	U	0.36	5.2
Chloromethane	5.2	U	0.82	5.2
2-Chlorotoluene	5.2	U	0.67	5.2
4-Chlorotoluene	5.2	U	0.66	5.2
Dibromochloromethane	5.2	U	0.37	5.2
1,2-Dibromo-3-Chloropropane	10	U	4.7	10
1,2-Dibromoethane	5.2	U	0.80	5.2
Dibromomethane	5.2	U	0.67	5.2
1,2-Dichlorobenzene	5.2	U	0.25	5.2
1,3-Dichlorobenzene	5.2	U	0.22	5.2
1,4-Dichlorobenzene	5.2	U	0.70	5.2
trans-1,4-Dichloro-2-butene	10	U	1.2	10
Dichlorodifluoromethane	5.2	U	0.37	5.2
1,1-Dichloroethane	5.2	U	0.31	5.2
1,2-Dichloroethane	5.2	U	0.61	5.2
1,1-Dichloroethene	5.2	U	0.61	5.2
cis-1,2-Dichloroethene	5.2	U	0.39	5.2
trans-1,2-Dichloroethene	5.2	U	0.41	5.2
1,2-Dichloropropane	5.2	U	0.70	5.2
1,3-Dichloropropane	5.2	U	0.71	5.2
2,2-Dichloropropane	5.2	U	0.72	5.2
1,1-Dichloropropene	26	U	0.60	26
cis-1,3-Dichloropropene	5.2	U	0.59	5.2
trans-1,3-Dichloropropene	5.2	U	0.28	5.2
Ethylbenzene	5.2	U	0.73	5.2
Hexachlorobutadiene	5.2	U	0.65	5.2
2-Hexanone	10	U	1.3	10
Isopropylbenzene	5.2	U	0.20	5.2
4-Isopropyltoluene	5.2	U	0.55	5.2

5/14/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB/MW-53 (1.5-2.5)**

Lab Sample ID: 220-8934-2
Client Matrix: Solid
% Moisture: 3.5

Date Sampled: 04/29/2009 1000
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1914
Date Prepared: 04/30/2009 1600

Analysis Batch: 220-26843
Prep Batch: 220-26740

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0379.D
Initial Weight/Volume: 4.95 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~2.5~~ 2.1	~~J~~ U	1.1	21
methyl isobutyl ketone	5.2	U	0.58	5.2
Methyl tert-butyl ether	5.2	U	0.22	5.2
Naphthalene	5.2	U	0.30	5.2
N-Propylbenzene	5.2	U	0.64	5.2
Styrene	5.2	U	0.16	5.2
1,1,1,2-Tetrachloroethane	5.2	U	0.54	5.2
1,1,2,2-Tetrachloroethane	5.2	U	0.54	5.2
Toluene	5.2	U	0.077	5.2
Tetrachloroethene	~~3.8~~ 5.2	~~J~~ U	0.85	5.2
Tetrahydrofuran	21	U	6.4	21
1,2,3-Trichlorobenzene	5.2	U	0.65	5.2
1,2,4-Trichlorobenzene	5.2	U	0.78	5.2
1,1,1-Trichloroethane	5.2	U	0.55	5.2
1,1,2-Trichloroethane	5.2	U	0.39	5.2
Trichloroethene	5.2	U	0.85	5.2
Trichlorofluoromethane	5.2	U	0.16	5.2
1,2,3-Trichloropropane	5.2	U	0.96	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U	0.83	5.2
1,2,4-Trimethylbenzene	5.2	U	0.80	5.2
1,3,5-Trimethylbenzene	5.2	U	0.52	5.2
Vinyl chloride	5.2	U	0.24	5.2
m&p-Xylene	5.2	U	0.37	5.2
o-Xylene	5.2	U	0.20	5.2

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	59 - 132
4-Bromofluorobenzene	87	34 - 124
Dibromofluoromethane	88	59 - 123
Toluene-d8 (Surr)	88	50 - 118

5/12/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: SB/MW-53 (1.5-2.5)

Lab Sample ID: 220-8934-2
Client Matrix: Solid
% Moisture: 3.5
Date Sampled: 04/29/2009 1000
Date Received: 04/29/2009 1707

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/11/2009 1621
Date Prepared: 05/07/2009 1106

Analysis Batch: 220-27049
Prep Batch: 220-26939

Instrument ID: TJA Trace ICAP
Lab File ID: W051109
Initial Weight/Volume: 2.05 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.2	U	1.3	4.2
Arsenic		5.3	U	1.7	5.3
Barium		28.1		0.063	1.3
Beryllium		~~0.31~~ 1.3U ✓	~~J~~	0.063	1.3
Cadmium		1.3	U	0.25	1.3
Chromium		9.3		0.13	1.3
Copper		27.0		0.48	1.5
Lead		~~3.4~~ 3.8 U	~~J~~	0.78	3.8
Cobalt		3.6		0.13	1.3
Nickel		10.1		0.25	1.3
Selenium		9.5	U	3.2	9.5
Silver		1.3	U	0.063	1.3
Thallium		~~4.5~~ 3.8U ✓	~~J~~	0.88	3.8
Vanadium		13.5		0.25	1.3
Zinc		18.4		1.3	6.3
Tin		3.8	U	1.0	3.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/06/2009 1628
Date Prepared: 05/05/2009 1305

Analysis Batch: 220-26917
Prep Batch: 220-26867

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.052	U	0.0041	0.052

JAM 6/17/09 6/25/09

JAM 5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-2
Sdg Number: 220-8934

Client Sample ID: **SB/MW-53 (1.5-2.5)**

Lab Sample ID: 220-8934-2
Client Matrix: Solid

Date Sampled: 04/29/2009 1000
Date Received: 04/29/2009 1707

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27517		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27288		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27275		Initial Weight/Volume:	100 mL
Date Analyzed:	05/28/2009 1432			Final Weight/Volume:	500 mL
Date Prepared:	05/20/2009 1112				
Date Leached:	05/19/2009 1530				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Cobalt		7.2		0.63	2.5
Lead		~~0.53~~ 2.5U ✓	~~J~~	0.50	2.5
Vanadium		~~1.0~~ 2.5U ✓	~~J~~	0.56	2.5

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB/MW-53 (1.5-2.5)**

Lab Sample ID:	220-8934-2			Date Sampled:	04/29/2009 1000
Client Matrix:	Solid	% Moisture:	3.5	Date Received:	04/29/2009 1707

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26707		Lab File ID:	DX1021081.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Date Analyzed:	05/12/2009 0222			Final Weight/Volume:	1 mL
Date Prepared:	04/29/2009 1951			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	12000	U	12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	90	50 - 150

jm 5/22/09
5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

General Chemistry

Client Sample ID: SB-52 (1.5-2.5)

Lab Sample ID: 220-8934-1
Client Matrix: Solid
% Moisture: 5.4
Date Sampled: 04/29/2009 0900
Date Received: 04/29/2009 1707

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	510	U	ug/Kg	51	510	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1612			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1230			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.39		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			
Percent Solids	94.6		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			

Client Sample ID: SB/MW-53 (1.5-2.5)

Lab Sample ID: 220-8934-2
Client Matrix: Solid
% Moisture: 3.5
Date Sampled: 04/29/2009 1000
Date Received: 04/29/2009 1707

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	510	U	ug/Kg	51	510	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1615			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1230			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.47		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			
Percent Solids	96.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB-54 (1.5-2.5)**

Lab Sample ID: 220-8934-7
Client Matrix: Solid
% Moisture: 4.1

Date Sampled: 04/29/2009 1400
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1939
Date Prepared: 04/30/2009 1600

Analysis Batch: 220-26843
Prep Batch: 220-26740

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0380.D
Initial Weight/Volume: 4.68 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~6.1~~ 22 J	~~J~~	2.5	22
Acrylonitrile	~~5.6~~ R	~~U~~	1.6	5.6
Benzene	5.6	U	0.63	5.6
Bromobenzene	5.6	U	0.59	5.6
n-Butylbenzene	5.6	U	1.3	5.6
sec-Butylbenzene	5.6	U	0.59	5.6
tert-Butylbenzene	5.6	U	0.32	5.6
Bromodichloromethane	5.6	U	0.33	5.6
Bromoform	5.6	U	0.68	5.6
Bromomethane	5.6	U	2.3	5.6
Methyl Ethyl Ketone	11	U	1.8	11
Chlorobenzene	5.6	U	0.66	5.6
Carbon disulfide	5.6	U *	0.46	5.6
Carbon tetrachloride	5.6	U	1.1	5.6
Chloroethane	5.6	U	1.1	5.6
Chloroform	5.6	U	0.38	5.6
Chloromethane	5.6	U	0.87	5.6
2-Chlorotoluene	5.6	U	0.71	5.6
4-Chlorotoluene	5.6	U	0.70	5.6
Dibromochloromethane	5.6	U	0.39	5.6
1,2-Dibromo-3-Chloropropane	11	U	5.0	11
1,2-Dibromoethane	5.6	U	0.85	5.6
Dibromomethane	5.6	U	0.71	5.6
1,2-Dichlorobenzene	5.6	U	0.27	5.6
1,3-Dichlorobenzene	5.6	U	0.23	5.6
1,4-Dichlorobenzene	5.6	U	0.75	5.6
trans-1,4-Dichloro-2-butene	11	U *	1.2	11
Dichlorodifluoromethane	5.6	U	0.39	5.6
1,1-Dichloroethane	5.6	U	0.33	5.6
1,2-Dichloroethane	5.6	U	0.65	5.6
1,1-Dichloroethene	5.6	U	0.65	5.6
cis-1,2-Dichloroethene	5.6	U	0.41	5.6
trans-1,2-Dichloroethene	5.6	U	0.43	5.6
1,2-Dichloropropane	5.6	U	0.75	5.6
1,3-Dichloropropane	5.6	U	0.76	5.6
2,2-Dichloropropane	5.6	U	0.77	5.6
1,1-Dichloropropene	28	U	0.63	28
cis-1,3-Dichloropropene	5.6	U	0.62	5.6
trans-1,3-Dichloropropene	5.6	U	0.30	5.6
Ethylbenzene	5.6	U	0.78	5.6
Hexachlorobutadiene	5.6	U	0.69	5.6
2-Hexanone	11	U	1.3	11
Isopropylbenzene	5.6	U	0.21	5.6
4-Isopropyltoluene	~~5.6~~ R	~~U~~	0.59	5.6

do not report

JAM 5/12/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB-54 (1.5-2.5)**

Lab Sample ID: 220-8934-7
Client Matrix: Solid
% Moisture: 4.1

Date Sampled: 04/29/2009 1400
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 1939
Date Prepared: 04/30/2009 1600

Analysis Batch: 220-26843
Prep Batch: 220-26740

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0380.D
Initial Weight/Volume: 4.68 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	22 ~~4.2~~ UJ	J	1.2	22
methyl isobutyl ketone	~~5.6~~ R	U	0.61	5.6
Methyl tert-butyl ether	5.6	U	0.23	5.6
Naphthalene	5.6	U	0.32	5.6
N-Propylbenzene	5.6	U	0.68	5.6
Styrene	5.6	U	0.17	5.6
1,1,1,2-Tetrachloroethane	5.6	U	0.58	5.6
1,1,2,2-Tetrachloroethane	5.6	U	0.58	5.6
Toluene	5.6	U	0.082	5.6
Tetrachloroethene	5.6	U	0.90	5.6
Tetrahydrofuran	22	U	6.9	22
1,2,3-Trichlorobenzene	5.6	U	0.69	5.6
1,2,4-Trichlorobenzene	5.6	U	0.84	5.6
1,1,1-Trichloroethane	5.6	U	0.59	5.6
1,1,2-Trichloroethane	5.6	U	0.41	5.6
Trichloroethene	5.6	U	0.90	5.6
Trichlorofluoromethane	5.6	U	0.17	5.6
1,2,3-Trichloropropane	5.6	U	1.0	5.6
1,1,2-Trichloro-1,2,2-trifluoroethane	5.6	U	0.88	5.6
1,2,4-Trimethylbenzene	5.6	U	0.85	5.6
1,3,5-Trimethylbenzene	5.6	U	0.56	5.6
Vinyl chloride	5.6	U	0.26	5.6
m&p-Xylene	5.6	U	0.39	5.6
o-Xylene	5.6 R	U	0.21	5.6

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	59 - 132
4-Bromofluorobenzene	83	34 - 124
Dibromofluoromethane	0 *	59 - 123
Toluene-d8 (Surr)	87	50 - 118

JAm 5/22/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB-54 (1.5-2.5)**

Lab Sample ID: 220-8934-7
Client Matrix: Solid
% Moisture: 4.1

Date Sampled: 04/29/2009 1400
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-26847		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-26740		Lab File ID:	O0397.D
Dilution:	1.0			Initial Weight/Volume:	4.44 g
Date Analyzed:	05/04/2009 1537	Run Type: RA		Final Weight/Volume:	5 mL
Date Prepared:	04/30/2009 1600				

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87		59 - 132
4-Bromofluorobenzene	79		34 - 124
Dibromofluoromethane	33	*	59 - 123
Toluene-d8 (Surr)	85		50 - 118

Method:	8260B	Analysis Batch: 220-26847		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-26740		Lab File ID:	O0397.D
Dilution:	1.0			Initial Weight/Volume:	4.44 g
Date Analyzed:	05/04/2009 1537	Run Type: RA		Final Weight/Volume:	5 mL
Date Prepared:	04/30/2009 1600				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~5.5~~ 230 J.	~~J* B*~~	2.6	23
Acrylonitrile	5.9	U J.	1.7	5.9
Benzene	5.9	U	0.67	5.9
Bromobenzene	5.9	U	0.62	5.9
n-Butylbenzene	5.9	U	1.3	5.9
sec-Butylbenzene	5.9	U	0.62	5.9
tert-Butylbenzene	5.9	U	0.34	5.9
Bromodichloromethane	5.9	U	0.35	5.9
Bromoform	5.9	U	0.72	5.9
Bromomethane	5.9	U	2.4	5.9
Methyl Ethyl Ketone	12	U	1.9	12
Chlorobenzene	5.9	U	0.69	5.9
Carbon disulfide	5.9	U	0.48	5.9
Carbon tetrachloride	5.9	U	1.1	5.9
Chloroethane	5.9	U	1.2	5.9
Chloroform	5.9	U	0.40	5.9
Chloromethane	5.9	U	0.92	5.9
2-Chlorotoluene	5.9	U	0.75	5.9
4-Chlorotoluene	5.9	U	0.74	5.9
Dibromochloromethane	5.9	U	0.41	5.9
1,2-Dibromo-3-Chloropropane	12	U	5.3	12
1,2-Dibromoethane	5.9	U	0.89	5.9
Dibromomethane	5.9	U	0.75	5.9
1,2-Dichlorobenzene	5.9	U	0.28	5.9
1,3-Dichlorobenzene	5.9	U	0.25	5.9
1,4-Dichlorobenzene	5.9	U	0.79	5.9
trans-1,4-Dichloro-2-butene	12	U*	1.3	12
Dichlorodifluoromethane	5.9	U	0.41	5.9
1,1-Dichloroethane	5.9	U	0.35	5.9
1,2-Dichloroethane	5.9	U J.	0.68	5.9

JRM 5/22/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB-54 (1.5-2.5)**

Lab Sample ID: 220-8934-7
Client Matrix: Solid
% Moisture: 4.1
Date Sampled: 04/29/2009 1400
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/04/2009 1537
Date Prepared: 04/30/2009 1600

Analysis Batch: 220-26847
Prep Batch: 220-26740
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0397.D
Initial Weight/Volume: 4.44 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethene	5.9	U J	0.68	5.9
cis-1,2-Dichloroethene	5.9	U	0.43	5.9
trans-1,2-Dichloroethene	5.9	U	0.46	5.9
1,2-Dichloropropane	5.9	U	0.79	5.9
1,3-Dichloropropane	5.9	U	0.80	5.9
2,2-Dichloropropane	5.9	U	0.81	5.9
1,1-Dichloropropene	29	U	0.67	29
cis-1,3-Dichloropropene	5.9	U	0.66	5.9
trans-1,3-Dichloropropene	5.9	U	0.32	5.9
Ethylbenzene	5.9	U	0.82	5.9
Hexachlorobutadiene	5.9	U	0.73	5.9
2-Hexanone	12	U	1.4	12
Isopropylbenzene	5.9	U	0.22	5.9
4-Isopropyltoluene	5.9	U J	0.62	5.9
Methylene Chloride	~~4.2~~	23 U J	1.3	23
methyl isobutyl ketone	5.9	U J	0.65	5.9
Methyl tert-butyl ether	5.9	U	0.25	5.9
Naphthalene	5.9	U	0.34	5.9
N-Propylbenzene	5.9	U	0.72	5.9
Styrene	5.9	U	0.18	5.9
1,1,1,2-Tetrachloroethane	5.9	U	0.61	5.9
1,1,2,2-Tetrachloroethane	5.9	U	0.61	5.9
Toluene	5.9	U	0.087	5.9
Tetrachloroethene	5.9	U	0.95	5.9
Tetrahydrofuran	23	U	7.2	23
1,2,3-Trichlorobenzene	5.9	U	0.73	5.9
1,2,4-Trichlorobenzene	5.9	U	0.88	5.9
1,1,1-Trichloroethane	5.9	U	0.62	5.9
1,1,2-Trichloroethane	5.9	U	0.43	5.9
Trichloroethene	5.9	U	0.95	5.9
Trichlorofluoromethane	5.9	U	0.18	5.9
1,2,3-Trichloropropane	5.9	U	1.1	5.9
1,1,2-Trichloro-1,2,2-trifluoroethane	5.9	U	0.93	5.9
1,2,4-Trimethylbenzene	5.9	U	0.89	5.9
1,3,5-Trimethylbenzene	5.9	U	0.59	5.9
Vinyl chloride	5.9	U	0.27	5.9
m&p-Xylene	5.9	U	0.41	5.9
o-Xylene	5.9	U J	0.22	5.9

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Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: SB-54 (1.5-2.5)

Lab Sample ID: 220-8934-7
Client Matrix: Solid

% Moisture: 4.1

Date Sampled: 04/29/2009 1400
Date Received: 04/29/2009 1707

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/11/2009 1649
Date Prepared: 05/07/2009 1106

Analysis Batch: 220-27049
Prep Batch: 220-26939

Instrument ID: TJA Trace ICAP
Lab File ID: W051109
Initial Weight/Volume: 2.02 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.3	U	1.3	4.3
Arsenic		5.4	U	1.7	5.4
Barium		56.5		0.065	1.3
Beryllium		~~0.39~~ 1.3U ✓	~~J~~	0.065	1.3
Cadmium		1.3	U	0.26	1.3
Chromium		28.1		0.13	1.3
Copper		37.7		0.49	1.5
Lead		12.5		0.80	3.9
Cobalt		5.5		0.13	1.3
Nickel		19.1		0.26	1.3
Selenium		9.7	U	3.2	9.7
Silver		~~0.45~~ 1.3U ✓	~~J~~	0.065	1.3
Thallium		~~4.3~~ 3.9U ✓	~~J~~	0.90	3.9
Vanadium		19.4		0.26	1.3
Zinc		44.7		1.3	6.5
Tin		3.9	U	1.0	3.9

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/08/2009 1053
Date Prepared: 05/07/2009 1300

Analysis Batch: 220-26971
Prep Batch: 220-26952

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.014~~ 0.051 U ✓	~~J~~	0.0041	0.051

Jm 6/17/09
6/15/09

Jm 5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-2
Sdg Number: 220-8934

Client Sample ID: **SB-54 (1.5-2.5)**

Lab Sample ID: 220-8934-7
Client Matrix: Solid

Date Sampled: 04/29/2009 1400
Date Received: 04/29/2009 1707

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27517		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27288		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27275		Initial Weight/Volume:	100 mL
Date Analyzed:	05/28/2009 1500			Final Weight/Volume:	500 mL
Date Prepared:	05/20/2009 1112				
Date Leached:	05/19/2009 1530				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Chromium		33.6		0.48	5.0
Cobalt		2.5	U	0.63	2.5
Lead		2.5	U	0.50	2.5
Vanadium		7.6		0.56	2.5

06/02/2009

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB-54 (1.5-2.5)**

Lab Sample ID:	220-8934-7			Date Sampled:	04/29/2009 1400
Client Matrix:	*Solid*	*% Moisture:*	*4.1*	*Date Received:*	*04/29/2009 1707*

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26707		Lab File ID:	DX1021118.D
Dilution:	1.0			Initial Weight/Volume:	15.81 g
Date Analyzed:	05/12/2009 1546			Final Weight/Volume:	1 mL
Date Prepared:	04/29/2009 1951			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	23000	U	12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	98	50 - 150

fm 5/22/09

5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB-55 (1.5-2.5)**

Lab Sample ID: 220-8934-9
Client Matrix: Solid
% Moisture: 5.2

Date Sampled: 04/29/2009 1430
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 2004
Date Prepared: 04/30/2009 1601

Analysis Batch: 220-26843
Prep Batch: 220-26740

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0381.D
Initial Weight/Volume: 3.92 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~6.5~~ 27 UJ	~~J~~	3.0	27
Acrylonitrile	6.7	U J	1.9	6.7
Benzene	6.7	U	0.77	6.7
Bromobenzene	6.7	U	0.71	6.7
n-Butylbenzene	6.7	U	1.5	6.7
sec-Butylbenzene	6.7	U	0.71	6.7
tert-Butylbenzene	6.7	U	0.39	6.7
Bromodichloromethane	6.7	U	0.40	6.7
Bromoform	6.7	U	0.82	6.7
Bromomethane	6.7	U	2.8	6.7
Methyl Ethyl Ketone	13	U	2.1	13
Chlorobenzene	6.7	U	0.79	6.7
Carbon disulfide	6.7	U	0.55	6.7
Carbon tetrachloride	6.7	U	1.3	6.7
Chloroethane	6.7	U	1.3	6.7
Chloroform	6.7	U	0.46	6.7
Chloromethane	6.7	U	1.0	6.7
2-Chlorotoluene	6.7	U	0.86	6.7
4-Chlorotoluene	6.7	U	0.85	6.7
Dibromochloromethane	6.7	U	0.47	6.7
1,2-Dibromo-3-Chloropropane	13	U	6.1	13
1,2-Dibromoethane	6.7	U	1.0	6.7
Dibromomethane	6.7	U	0.86	6.7
1,2-Dichlorobenzene	6.7	U	0.32	6.7
1,3-Dichlorobenzene	6.7	U	0.28	6.7
1,4-Dichlorobenzene	6.7	U	0.90	6.7
trans-1,4-Dichloro-2-butene	13	U	1.5	13
Dichlorodifluoromethane	6.7	U	0.47	6.7
1,1-Dichloroethane	6.7	U	0.40	6.7
1,2-Dichloroethane	6.7	U	0.78	6.7
1,1-Dichloroethene	6.7	U	0.78	6.7
cis-1,2-Dichloroethene	6.7	U	0.50	6.7
trans-1,2-Dichloroethene	6.7	U	0.52	6.7
1,2-Dichloropropane	6.7	U	0.90	6.7
1,3-Dichloropropane	6.7	U	0.91	6.7
2,2-Dichloropropane	6.7	U	0.93	6.7
1,1-Dichloropropene	34	U	0.77	34
cis-1,3-Dichloropropene	6.7	U	0.75	6.7
trans-1,3-Dichloropropene	6.7	U	0.36	6.7
Ethylbenzene	6.7	U	0.94	6.7
Hexachlorobutadiene	6.7	U	0.83	6.7
2-Hexanone	13	U	1.6	13
Isopropylbenzene	6.7	U	0.26	6.7
4-Isopropyltoluene	6.7	U J	0.71	6.7

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JAM 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB-55 (1.5-2.5)**

Lab Sample ID: 220-8934-9
Client Matrix: Solid
% Moisture: 5.2

Date Sampled: 04/29/2009 1430
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 2004
Date Prepared: 04/30/2009 1601

Analysis Batch: 220-26843
Prep Batch: 220-26740

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0381.D
Initial Weight/Volume: 3.92 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~4.2~~ 27 UJ	~~J~~	1.5	27
methyl isobutyl ketone	6.7	UJ	0.74	6.7
Methyl tert-butyl ether	6.7	U	0.28	6.7
Naphthalene	6.7	U	0.39	6.7
N-Propylbenzene	6.7	U	0.82	6.7
Styrene	6.7	U	0.20	6.7
1,1,1,2-Tetrachloroethane	6.7	U	0.70	6.7
1,1,2,2-Tetrachloroethane	6.7	U	0.70	6.7
Toluene	6.7	U	0.10	6.7
Tetrachloroethene	6.7	U	1.1	6.7
Tetrahydrofuran	27	U	8.3	27
1,2,3-Trichlorobenzene	6.7	U	0.83	6.7
1,2,4-Trichlorobenzene	6.7	U	1.0	6.7
1,1,1-Trichloroethane	6.7	U	0.71	6.7
1,1,2-Trichloroethane	6.7	U	0.50	6.7
Trichloroethene	6.7	U	1.1	6.7
Trichlorofluoromethane	6.7	U	0.20	6.7
1,2,3-Trichloropropane	6.7	U	1.2	6.7
1,1,2-Trichloro-1,2,2-trifluoroethane	6.7	U	1.1	6.7
1,2,4-Trimethylbenzene	6.7	U	1.0	6.7
1,3,5-Trimethylbenzene	6.7	U	0.67	6.7
Vinyl chloride	6.7	U	0.31	6.7
m&p-Xylene	6.7	U	0.47	6.7
o-Xylene	6.7	UJ	0.26	6.7

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	59 - 132
4-Bromofluorobenzene	93	34 - 124
Dibromofluoromethane	16 *	59 - 123
Toluene-d8 (Surr)	92	50 - 118

JM 5/22/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: SB-55 (1.5-2.5)

Lab Sample ID: 220-8934-9
Client Matrix: Solid
% Moisture: 5.2
Date Sampled: 04/29/2009 1430
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-26847		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-26740		Lab File ID:	O0398.D
Dilution:	1.0			Initial Weight/Volume:	3.25 g
Date Analyzed:	05/04/2009 1602	Run Type: RA		Final Weight/Volume:	5 mL
Date Prepared:	04/30/2009 1601				

Surrogate	%Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		59 - 132
4-Bromofluorobenzene	92		34 - 124
Dibromofluoromethane	38	*	59 - 123
Toluene-d8 (Surr)	89		50 - 118

Method:	8260B	Analysis Batch: 220-26847		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-26740		Lab File ID:	O0398.D
Dilution:	1.0			Initial Weight/Volume:	3.25 g
Date Analyzed:	05/04/2009 1602	Run Type: RA		Final Weight/Volume:	5 mL
Date Prepared:	04/30/2009 1601				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	32	UJ	3.6	32
Acrylonitrile	8.1	U	2.3	8.1
Benzene	8.1	U	0.93	8.1
Bromobenzene	8.1	U	0.86	8.1
n-Butylbenzene	8.1	U	1.8	8.1
sec-Butylbenzene	8.1	U	0.86	8.1
tert-Butylbenzene	8.1	U	0.47	8.1
Bromodichloromethane	8.1	U	0.49	8.1
Bromoform	8.1	U	0.99	8.1
Bromomethane	8.1	U*	3.4	8.1
Methyl Ethyl Ketone	16	U	2.6	16
Chlorobenzene	8.1	U	0.96	8.1
Carbon disulfide	8.1	U	0.67	8.1
Carbon tetrachloride	8.1	U	1.5	8.1
Chloroethane	8.1	U	1.6	8.1
Chloroform	8.1	U	0.55	8.1
Chloromethane	8.1	U	1.3	8.1
2-Chlorotoluene	8.1	U	1.0	8.1
4-Chlorotoluene	8.1	U	1.0	8.1
Dibromochloromethane	8.1	U	0.57	8.1
1,2-Dibromo-3-Chloropropane	16	U	7.4	16
1,2-Dibromoethane	8.1	U	1.2	8.1
Dibromomethane	8.1	U	1.0	8.1
1,2-Dichlorobenzene	8.1	U	0.39	8.1
1,3-Dichlorobenzene	8.1	U	0.34	8.1
1,4-Dichlorobenzene	8.1	U	1.1	8.1
trans-1,4-Dichloro-2-butene	16	U*	1.8	16
Dichlorodifluoromethane	8.1	U	0.57	8.1
1,1-Dichloroethane	8.1	U	0.49	8.1
1,2-Dichloroethane	8.1	UJ	0.94	8.1

JAM 5/22/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB-55 (1.5-2.5)**

Lab Sample ID: 220-8934-9
Client Matrix: Solid
% Moisture: 5.2

Date Sampled: 04/29/2009 1430
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/04/2009 1602
Date Prepared: 04/30/2009 1601

Analysis Batch: 220-26847
Prep Batch: 220-26740
Run Type: RA

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0398.D
Initial Weight/Volume: 3.25 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
1,1-Dichloroethene	8.1	U J.	0.94	8.1
cis-1,2-Dichloroethene	8.1	U	0.60	8.1
trans-1,2-Dichloroethene	8.1	U	0.63	8.1
1,2-Dichloropropane	8.1	U	1.1	8.1
1,3-Dichloropropane	8.1	U	1.1	8.1
2,2-Dichloropropane	8.1	U	1.1	8.1
1,1-Dichloropropene	41	U	0.93	41
cis-1,3-Dichloropropene	8.1	U	0.91	8.1
trans-1,3-Dichloropropene	8.1	U	0.44	8.1
Ethylbenzene	8.1	U	1.1	8.1
Hexachlorobutadiene	8.1	U	1.0	8.1
2-Hexanone	16	U	1.9	16
Isopropylbenzene	8.1	U	0.31	8.1
4-Isopropyltoluene	8.1	U J.	0.86	8.1
Methylene Chloride	~~6.6~~	32 U J.	1.8	32
methyl isobutyl ketone	8.1	U J.	0.89	8.1
Methyl tert-butyl ether	8.1	U	0.34	8.1
Naphthalene	8.1	U	0.47	8.1
N-Propylbenzene	8.1	U	0.99	8.1
Styrene	8.1	U	0.24	8.1
1,1,1,2-Tetrachloroethane	8.1	U	0.84	8.1
1,1,2,2-Tetrachloroethane	8.1	U	0.84	8.1
Toluene	8.1	U	0.12	8.1
Tetrachloroethene	8.1	U	1.3	8.1
Tetrahydrofuran	32	U	10	32
1,2,3-Trichlorobenzene	8.1	U	1.0	8.1
1,2,4-Trichlorobenzene	8.1	U	1.2	8.1
1,1,1-Trichloroethane	8.1	U	0.86	8.1
1,1,2-Trichloroethane	8.1	U	0.60	8.1
Trichloroethene	8.1	U	1.3	8.1
Trichlorofluoromethane	8.1	U	0.24	8.1
1,2,3-Trichloropropane	8.1	U	1.5	8.1
1,1,2-Trichloro-1,2,2-trifluoroethane	8.1	U	1.3	8.1
1,2,4-Trimethylbenzene	8.1	U	1.2	8.1
1,3,5-Trimethylbenzene	8.1	U	0.81	8.1
Vinyl chloride	8.1	U	0.37	8.1
m&p-Xylene	8.1	U	0.57	8.1
o-Xylene	8.1	U J.	0.31	8.1

Jm 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: SB-55 (1.5-2.5)

Lab Sample ID: 220-8934-9
Client Matrix: Solid
% Moisture: 5.2
Date Sampled: 04/29/2009 1430
Date Received: 04/29/2009 1707

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/11/2009 1655
Date Prepared: 05/07/2009 1106

Analysis Batch: 220-27049
Prep Batch: 220-26939

Instrument ID: TJA Trace ICAP
Lab File ID: W051109
Initial Weight/Volume: 2.00 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.4	U	1.3	4.4
Arsenic		5.5	U	1.8	5.5
Barium		54.7		0.066	1.3
Beryllium		~~0.36~~ 1.3U ✓	~~J~~	0.066	1.3
Cadmium		1.3	U	0.26	1.3
Chromium		13.7		0.13	1.3
Copper		20.1		0.50	1.6
Lead		5.6		0.82	4.0
Cobalt		4.9		0.13	1.3
Nickel		12.0		0.26	1.3
Selenium		9.9	U	3.3	9.9
Silver		~~0.15~~ 1.3U ✓	~~J~~	0.066	1.3
Thallium		4.0	U	0.92	4.0
Vanadium		17.5		0.26	1.3
Zinc		30.7		1.3	6.6
Tin		4.0	U	1.1	4.0

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/08/2009 1054
Date Prepared: 05/07/2009 1300

Analysis Batch: 220-26971
Prep Batch: 220-26952

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.64 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.049	U	0.0040	0.049

Jan 6/17/09
JJ 6/25/09
Jan 5/18/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-2
Sdg Number: 220-8934

Client Sample ID: **SB-55 (1.5-2.5)**

Lab Sample ID:	220-8934-9	Date Sampled:	04/29/2009 1430
Client Matrix:	Solid	Date Received:	04/29/2009 1707

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27517		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27288		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27275		Initial Weight/Volume:	100 mL
Date Analyzed:	05/28/2009 1504			Final Weight/Volume:	500 mL
Date Prepared:	05/20/2009 1112				
Date Leached:	05/19/2009 1530				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Chromium		19.2		0.48	5.0
Cobalt		2.5	U	0.63	2.5
Lead		2.5	U	0.50	2.5
Vanadium		4.8		0.56	2.5

6/2/09 6/5/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: SB-55 (1.5-2.5)

Lab Sample ID: 220-8934-9
Client Matrix: Solid
% Moisture: 5.2
Date Sampled: 04/29/2009 1430
Date Received: 04/29/2009 1707

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/12/2009 0421
Date Prepared: 04/29/2009 1951

Analysis Batch: 220-27037
Prep Batch: 220-26707

Instrument ID: HP7890
Lab File ID: DX1021087.D
Initial Weight/Volume: 15.32 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	38000	U	12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	99	50 - 150

Jam 5/22/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

General Chemistry

Client Sample ID: SB-54 (1.5-2.5)

Lab Sample ID: 220-8934-7
Client Matrix: Solid
% Moisture: 4.1
Date Sampled: 04/29/2009 1400
Date Received: 04/29/2009 1707

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	~~77~~ 52.0	~~J~~ U	ug/Kg	52	520	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1621			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1230			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.07		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			
Percent Solids	95.9		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			

Client Sample ID: EB-Chip

Lab Sample ID: 220-8934-8
Client Matrix: Water
Date Sampled: 04/29/2009 1415
Date Received: 04/29/2009 1707

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	10	UJ	ug/L	2.3	10	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1628			
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1600			

Client Sample ID: SB-55 (1.5-2.5)

Lab Sample ID: 220-8934-9
Client Matrix: Solid
% Moisture: 5.2
Date Sampled: 04/29/2009 1430
Date Received: 04/29/2009 1707

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	520	U	ug/Kg	52	520	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1622			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1230			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.20		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			
Percent Solids	94.8		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			

dm 6/17/09
6/25/09

dm 5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB-59 (1-2)**

Lab Sample ID: 220-8934-11
Client Matrix: Solid
% Moisture: 7.6

Date Sampled: 04/29/2009 1600
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 2029
Date Prepared: 04/30/2009 1602

Analysis Batch: 220-26843
Prep Batch: 220-26740

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0382.D
Initial Weight/Volume: 5.38 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	20	U ↑	2.3	20
Acrylonitrile	5.0	U	1.4	5.0
Benzene	5.0	U	0.57	5.0
Bromobenzene	5.0	U	0.53	5.0
n-Butylbenzene	5.0	U	1.1	5.0
sec-Butylbenzene	5.0	U	0.53	5.0
tert-Butylbenzene	5.0	U	0.29	5.0
Bromodichloromethane	5.0	U	0.30	5.0
Bromoform	5.0	U	0.61	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.6	10
Chlorobenzene	5.0	U	0.59	5.0
Carbon disulfide	5.0	U J.	0.41	5.0
Carbon tetrachloride	5.0	U	0.96	5.0
Chloroethane	5.0	U	0.99	5.0
Chloroform	5.0	U	0.34	5.0
Chloromethane	5.0	U	0.78	5.0
2-Chlorotoluene	5.0	U	0.64	5.0
4-Chlorotoluene	5.0	U	0.63	5.0
Dibromochloromethane	5.0	U	0.35	5.0
1,2-Dibromo-3-Chloropropane	10	U	4.6	10
1,2-Dibromoethane	5.0	U	0.76	5.0
Dibromomethane	5.0	U	0.64	5.0
1,2-Dichlorobenzene	5.0	U	0.24	5.0
1,3-Dichlorobenzene	5.0	U	0.21	5.0
1,4-Dichlorobenzene	5.0	U	0.67	5.0
trans-1,4-Dichloro-2-butene	10	U ↑	1.1	10
Dichlorodifluoromethane	5.0	U	0.35	5.0
1,1-Dichloroethane	5.0	U	0.30	5.0
1,2-Dichloroethane	5.0	U	0.58	5.0
1,1-Dichloroethene	5.0	U	0.58	5.0
cis-1,2-Dichloroethene	5.0	U	0.37	5.0
trans-1,2-Dichloroethene	5.0	U	0.39	5.0
1,2-Dichloropropane	5.0	U	0.67	5.0
1,3-Dichloropropane	5.0	U	0.68	5.0
2,2-Dichloropropane	5.0	U	0.69	5.0
1,1-Dichloropropene	25	U	0.57	25
cis-1,3-Dichloropropene	5.0	U	0.56	5.0
trans-1,3-Dichloropropene	5.0	U	0.27	5.0
Ethylbenzene	5.0	U	0.70	5.0
Hexachlorobutadiene	5.0	U	0.62	5.0
2-Hexanone	10	U	1.2	10
Isopropylbenzene	5.0	U	0.19	5.0
4-Isopropyltoluene	5.0	U	0.53	5.0

JM 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB-59 (1-2)**

Lab Sample ID: 220-8934-11
Client Matrix: Solid
% Moisture: 7.6

Date Sampled: 04/29/2009 1600
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 2029
Date Prepared: 04/30/2009 1602

Analysis Batch: 220-26843
Prep Batch: 220-26740

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: Q0382.D
Initial Weight/Volume: 5.38 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~1.9~~ 20 U	~~J~~	1.1	20
methyl isobutyl ketone	5.0	U	0.55	5.0
Methyl tert-butyl ether	5.0	U	0.21	5.0
Naphthalene	5.0	U	0.29	5.0
N-Propylbenzene	5.0	U	0.61	5.0
Styrene	5.0	U	0.15	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.52	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.52	5.0
Toluene	5.0	U	0.074	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Tetrahydrofuran	20	U	6.2	20
1,2,3-Trichlorobenzene	5.0	U	0.62	5.0
1,2,4-Trichlorobenzene	5.0	U	0.75	5.0
1,1,1-Trichloroethane	5.0	U	0.53	5.0
1,1,2-Trichloroethane	5.0	U	0.37	5.0
Trichloroethene	5.0	U	0.81	5.0
Trichlorofluoromethane	5.0	U	0.15	5.0
1,2,3-Trichloropropane	5.0	U	0.93	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	0.79	5.0
1,2,4-Trimethylbenzene	5.0	U	0.76	5.0
1,3,5-Trimethylbenzene	5.0	U	0.50	5.0
Vinyl chloride	5.0	U	0.23	5.0
m&p-Xylene	5.0	U	0.35	5.0
o-Xylene	5.0	U	0.19	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	59 - 132
4-Bromofluorobenzene	83	34 - 124
Dibromofluoromethane	90	59 - 123
Toluene-d8 (Surr)	92	50 - 118

JMM 5/22/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: SB-59 (1-2)

Lab Sample ID: 220-8934-11
Client Matrix: Solid
% Moisture: 7.6
Date Sampled: 04/29/2009 1600
Date Received: 04/29/2009 1707

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/11/2009 1701
Date Prepared: 05/07/2009 1106

Analysis Batch: 220-27049
Prep Batch: 220-26939

Instrument ID: TJA Trace ICAP
Lab File ID: W051109
Initial Weight/Volume: 2.00 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.5	U	1.4	4.5
Arsenic		5.7	U	1.8	5.7
Barium		23.2		0.068	1.4
Beryllium		~~0.30~~ 1.4U	~~J~~	0.068	1.4
Cadmium		1.4	U	0.27	1.4
Chromium		14.4		0.14	1.4
Copper		12.4		0.51	1.6
Lead		5.9		0.84	4.1
Cobalt		3.7		0.14	1.4
Nickel		8.9		0.27	1.4
Selenium		10.1	U	3.4	10.1
Silver		1.4	U	0.068	1.4
Thallium		4.1	U	0.95	4.1
Vanadium		14.7		0.27	1.4
Zinc		16.7		1.4	6.8
Tin		4.1	U	1.1	4.1

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/08/2009 1055
Date Prepared: 05/07/2009 1300

Analysis Batch: 220-26971
Prep Batch: 220-26952

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.63 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.0086~~ 0.052U	~~J~~	0.0041	0.052

6/17/09

6/25/09

5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-2
Sdg Number: 220-8934

Client Sample ID: **SB-59 (1-2)**

Lab Sample ID:	220-8934-11	Date Sampled:	04/29/2009 1600
Client Matrix:	Solid	Date Received:	04/29/2009 1707

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27517		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27288		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27275		Initial Weight/Volume:	100 mL
Date Analyzed:	05/28/2009 1507			Final Weight/Volume:	500 mL
Date Prepared:	05/20/2009 1112				
Date Leached:	05/19/2009 1530				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Antimony		4.0	U	1.2	4.0
Arsenic		2.5	U	0.28	2.5
Barium		~~2.3~~ 2.5U	~~J~~	0.40	2.5
Beryllium		2.5	U	0.74	2.5
Cadmium		2.5	U	0.21	2.5
Chromium		~~3.0~~ 5.0U	~~J~~	0.48	5.0
Copper		~~4.6~~ 5.0U	~~J~~	0.47	5.0
Nickel		2.5	U	0.58	2.5
Cobalt		2.5	U	0.63	2.5
Lead		2.5	U	0.50	2.5
Selenium		5.0	U	1.1	5.0
Thallium		3.5	U	1.0	3.5
Silver		2.5	U	0.77	2.5
Vanadium		~~0.93~~ 2.5U	~~J~~	0.56	2.5
Zinc		~~6.6~~ 25.0U	~~J~~	2.2	25.0
Tin		15.0	U	3.6	15.0

10/25/09 10/15/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: SB-59 (1-2)

Lab Sample ID: 220-8934-11
Client Matrix: Solid
% Moisture: 7.6

Date Sampled: 04/29/2009 1600
Date Received: 04/29/2009 1707

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/12/2009 0442
Date Prepared: 04/29/2009 1951

Analysis Batch: 220-27037
Prep Batch: 220-26707

Instrument ID: HP7890
Lab File ID: DX1021088.D
Initial Weight/Volume: 15.40 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	34000		13000	13000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	126	50 - 150

Jm 5/22/09

5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB-60 (1-2)**

Lab Sample ID: 220-8934-12
Client Matrix: Solid
% Moisture: 7.1

Date Sampled: 04/29/2009 1600
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 2054
Date Prepared: 04/30/2009 1603

Analysis Batch: 220-26843
Prep Batch: 220-26740

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0383.D
Initial Weight/Volume: 5.31 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	20	U	2.3	20
Acrylonitrile	5.1	U	1.4	5.1
Benzene	5.1	U	0.58	5.1
Bromobenzene	5.1	U	0.54	5.1
n-Butylbenzene	5.1	U	1.1	5.1
sec-Butylbenzene	5.1	U	0.54	5.1
tert-Butylbenzene	5.1	U	0.29	5.1
Bromodichloromethane	5.1	U	0.30	5.1
Bromoform	5.1	U	0.62	5.1
Bromomethane	5.1	U	2.1	5.1
Methyl Ethyl Ketone	10	U	1.6	10
Chlorobenzene	5.1	U	0.60	5.1
Carbon disulfide	5.1	UJ	0.42	5.1
Carbon tetrachloride	5.1	U	0.96	5.1
Chloroethane	5.1	U	0.99	5.1
Chloroform	5.1	U	0.34	5.1
Chloromethane	5.1	U	0.79	5.1
2-Chlorotoluene	5.1	U	0.65	5.1
4-Chlorotoluene	5.1	U	0.64	5.1
Dibromochloromethane	5.1	U	0.35	5.1
1,2-Dibromo-3-Chloropropane	10	U	4.6	10
1,2-Dibromoethane	5.1	U	0.77	5.1
Dibromomethane	5.1	U	0.65	5.1
1,2-Dichlorobenzene	5.1	U	0.24	5.1
1,3-Dichlorobenzene	5.1	U	0.21	5.1
1,4-Dichlorobenzene	5.1	U	0.68	5.1
trans-1,4-Dichloro-2-butene	10	U	1.1	10
Dichlorodifluoromethane	5.1	U	0.35	5.1
1,1-Dichloroethane	5.1	U	0.30	5.1
1,2-Dichloroethane	5.1	U	0.59	5.1
1,1-Dichloroethene	5.1	U	0.59	5.1
cis-1,2-Dichloroethene	5.1	U	0.37	5.1
trans-1,2-Dichloroethene	5.1	U	0.40	5.1
1,2-Dichloropropane	5.1	U	0.68	5.1
1,3-Dichloropropane	5.1	U	0.69	5.1
2,2-Dichloropropane	5.1	U	0.70	5.1
1,1-Dichloropropene	25	U	0.58	25
cis-1,3-Dichloropropene	5.1	U	0.57	5.1
trans-1,3-Dichloropropene	5.1	U	0.27	5.1
Ethylbenzene	5.1	U	0.71	5.1
Hexachlorobutadiene	5.1	U	0.63	5.1
2-Hexanone	10	U	1.2	10
Isopropylbenzene	5.1	U	0.19	5.1
4-Isopropyltoluene	5.1	U	0.54	5.1

JAM 5/22/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB-60 (1-2)**

Lab Sample ID: 220-8934-12
Client Matrix: Solid
% Moisture: 7.1
Date Sampled: 04/29/2009 1600
Date Received: 04/29/2009 1707

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 04/30/2009 2054
Date Prepared: 04/30/2009 1603

Analysis Batch: 220-26843
Prep Batch: 220-26740

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0383.D
Initial Weight/Volume: 5.31 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~3.4~~ 2.0 U	~~J~~	1.1	20
methyl isobutyl ketone	5.1	U	0.56	5.1
Methyl tert-butyl ether	5.1	U	0.21	5.1
Naphthalene	5.1	U	0.29	5.1
N-Propylbenzene	5.1	U	0.62	5.1
Styrene	5.1	U	0.15	5.1
1,1,1,2-Tetrachloroethane	5.1	U	0.53	5.1
1,1,2,2-Tetrachloroethane	5.1	U	0.53	5.1
Toluene	5.1	U	0.075	5.1
Tetrachloroethene	5.1	U	0.82	5.1
Tetrahydrofuran	20	U	6.2	20
1,2,3-Trichlorobenzene	5.1	U	0.63	5.1
1,2,4-Trichlorobenzene	5.1	U	0.76	5.1
1,1,1-Trichloroethane	5.1	U	0.54	5.1
1,1,2-Trichloroethane	5.1	U	0.37	5.1
Trichloroethene	5.1	U	0.82	5.1
Trichlorofluoromethane	5.1	U	0.15	5.1
1,2,3-Trichloropropane	5.1	U	0.93	5.1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	U	0.80	5.1
1,2,4-Trimethylbenzene	5.1	U	0.77	5.1
1,3,5-Trimethylbenzene	5.1	U	0.51	5.1
Vinyl chloride	5.1	U	0.23	5.1
m&p-Xylene	5.1	U	0.35	5.1
o-Xylene	5.1	U	0.19	5.1

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	59 - 132
4-Bromofluorobenzene	71	34 - 124
Dibromofluoromethane	81	59 - 123
Toluene-d8 (Surr)	78	50 - 118

jm 5/22/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: SB-60 (1-2)

Lab Sample ID: 220-8934-12
Client Matrix: Solid

% Moisture: 7.1

Date Sampled: 04/29/2009 1600
Date Received: 04/29/2009 1707

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/11/2009 1707
Date Prepared: 05/07/2009 1106

Analysis Batch: 220-27049
Prep Batch: 220-26939

Instrument ID: TJA Trace ICAP
Lab File ID: W051109
Initial Weight/Volume: 2.01 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.4	U	1.4	4.4
Arsenic		~~1.9~~ 5.6U ✓	~~J~~	1.8	5.6
Barium		20.4		0.067	1.3
Beryllium		~~0.32~~ 1.3U ✓	~~J~~	0.067	1.3
Cadmium		1.3	U	0.27	1.3
Chromium		13.7		0.13	1.3
Copper		11.6		0.51	1.6
Lead		6.2		0.83	4.0
Cobalt		3.3		0.13	1.3
Nickel		8.1		0.27	1.3
Selenium		10.0	U	3.3	10.0
Silver		1.3	U	0.067	1.3
Thallium		~~1.2~~ 4.0U ✓	~~J~~	0.94	4.0
Vanadium		13.5		0.27	1.3
Zinc		14.7		1.3	6.7
Tin		4.0	U	1.1	4.0

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/08/2009 1056
Date Prepared: 05/07/2009 1300

Analysis Batch: 220-26971
Prep Batch: 220-26952

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.63 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.0088~~ 0.051U ✓	~~J~~	0.0041	0.051

jm 6/1/09
JW 6/2/09

jm 6/24/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8934-2
Sdg Number: 220-8934

Client Sample ID: **SB-60 (1-2)**

Lab Sample ID:	220-8934-12	Date Sampled:	04/29/2009 1600
Client Matrix:	Solid	Date Received:	04/29/2009 1707

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27517		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27288		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27275		Initial Weight/Volume:	100 mL
Date Analyzed:	05/28/2009 1511			Final Weight/Volume:	500 mL
Date Prepared:	05/20/2009 1112				
Date Leached:	05/19/2009 1530				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Chromium		~~0.2~~ 5.0U	~~J~~	0.48	5.0
Copper		~~1.6~~ 5.0U	~~J~~	0.47	5.0
Cobalt		2.5	U	0.63	2.5
Lead		2.5	U	0.50	2.5
Vanadium		~~0.85~~ 2.5U	~~J~~	0.56	2.5

6/25/09 6/25/09

Client: GEI Consultants, Inc.

Job Number: 220-8934-1
Sdg Number: 220-8934

Client Sample ID: **SB-60 (1-2)**

Lab Sample ID:	220-8934-12			Date Sampled:	04/29/2009 1600
Client Matrix:	Solid	% Moisture:	7.1	Date Received:	04/29/2009 1707

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26707		Lab File ID:	DX1021089.D
Dilution:	1.0			Initial Weight/Volume:	15.42 g
Date Analyzed:	05/12/2009 0501			Final Weight/Volume:	1 mL
Date Prepared:	04/29/2009 1951			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	41000		13000	13000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	117	50 - 150

Jm 5/22/09

5/29/09

General Chemistry

Client Sample ID: EB-Auger

Lab Sample ID: 220-8934-10
Client Matrix: Water

Date Sampled: 04/29/2009 1430
Date Received: 04/29/2009 1707

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	10	UJ	ug/L	2.3	10	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1631			
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1600			

Client Sample ID: SB-59 (1-2)

Lab Sample ID: 220-8934-11
Client Matrix: Solid

% Moisture: 7.6

Date Sampled: 04/29/2009 1600
Date Received: 04/29/2009 1707

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	540	U	ug/Kg	54	540	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1623			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1230			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.58		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			
Percent Solids	92.4		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			

Client Sample ID: SB-60 (1-2)

Lab Sample ID: 220-8934-12
Client Matrix: Solid

% Moisture: 7.1

Date Sampled: 04/29/2009 1600
Date Received: 04/29/2009 1707

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	510	U	ug/Kg	51	510	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1624			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1230			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.08		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			
Percent Solids	92.9		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26739	Date Analyzed		04/30/2009 1522			

Jm 5/29/09

VJ 6/1/09

'J' values changed to U
JAM 6/17/09
JV 6/25/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **SB-61**

Lab Sample ID: 220-8960-1
Client Matrix: Solid
% Moisture: 16.9

Date Sampled: 04/30/2009 0930
Date Received: 04/30/2009 1717

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/14/2009 1850
Date Prepared: 05/01/2009 1541

Analysis Batch: 220-27195
Prep Batch: 220-26789

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0553.D
Initial Weight/Volume: 4.42 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~22~~ 27	~~J~~ U	3.1	27
Acrylonitrile	6.8	U	1.9	6.8
Benzene	6.8	U	0.78	6.8
Bromobenzene	6.8	U	0.72	6.8
n-Butylbenzene	6.8	U	1.5	6.8
sec-Butylbenzene	6.8	U	0.72	6.8
tert-Butylbenzene	6.8	U	0.39	6.8
Bromodichloromethane	6.8	U	0.41	6.8
Bromoform	6.8	U	0.83	6.8
Bromomethane	6.8	U	2.8	6.8
Methyl Ethyl Ketone	14	U	2.2	14
Chlorobenzene	6.8	U	0.80	6.8
Carbon disulfide	6.8	J	0.56	6.8
Carbon tetrachloride	6.8	U	1.3	6.8
Chloroethane	6.8	U	1.3	6.8
Chloroform	6.8	U	0.46	6.8
Chloromethane	6.8	U	1.1	6.8
2-Chlorotoluene	6.8	U	0.87	6.8
4-Chlorotoluene	6.8	U	0.86	6.8
Dibromochloromethane	6.8	U	0.48	6.8
1,2-Dibromo-3-Chloropropane	14	U	6.2	14
1,2-Dibromoethane	6.8	U	1.0	6.8
Dibromomethane	6.8	U	0.87	6.8
1,2-Dichlorobenzene	6.8	U	0.33	6.8
1,3-Dichlorobenzene	6.8	U	0.29	6.8
1,4-Dichlorobenzene	6.8	U	0.91	6.8
trans-1,4-Dichloro-2-butene	14	U	1.5	14
Dichlorodifluoromethane	6.8	U	0.48	6.8
1,1-Dichloroethane	6.8	U	0.41	6.8
1,2-Dichloroethane	6.8	U	0.79	6.8
1,1-Dichloroethene	6.8	U	0.79	6.8
cis-1,2-Dichloroethene	6.8	U	0.50	6.8
trans-1,2-Dichloroethene	6.8	U	0.53	6.8
1,2-Dichloropropane	6.8	U	0.91	6.8
1,3-Dichloropropane	6.8	U	0.93	6.8
2,2-Dichloropropane	6.8	U	0.94	6.8
1,1-Dichloropropene	34	U	0.78	34
cis-1,3-Dichloropropene	6.8	U	0.76	6.8
trans-1,3-Dichloropropene	6.8	U	0.37	6.8
Ethylbenzene	6.8	U	0.95	6.8
Hexachlorobutadiene	6.8	U	0.84	6.8
2-Hexanone	14	U	1.6	14
Isopropylbenzene	6.8	U	0.26	6.8
4-Isopropyltoluene	6.8	U	0.72	6.8

JAM 5/24/09

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **SB-61**

Lab Sample ID: 220-8960-1
Client Matrix: Solid

% Moisture: 16.9

Date Sampled: 04/30/2009 0930
Date Received: 04/30/2009 1717

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/14/2009 1850
Date Prepared: 05/01/2009 1541

Analysis Batch: 220-27195
Prep Batch: 220-26789

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0553.D
Initial Weight/Volume: 4.42 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	27	U	1.5	27
methyl isobutyl ketone	6.8	U	0.75	6.8
Methyl tert-butyl ether	6.8	U	0.29	6.8
Naphthalene	6.8	U	0.39	6.8
N-Propylbenzene	6.8	U	0.83	6.8
Styrene	6.8	U	0.20	6.8
1,1,1,2-Tetrachloroethane	6.8	U	0.71	6.8
1,1,2,2-Tetrachloroethane	6.8	U	0.71	6.8
Toluene	6.8	U	0.10	6.8
Tetrachloroethene	6.8	U	1.1	6.8
Tetrahydrofuran	27	U	8.4	27
1,2,3-Trichlorobenzene	6.8	U	0.84	6.8
1,2,4-Trichlorobenzene	6.8	U	1.0	6.8
1,1,1-Trichloroethane	6.8	U	0.72	6.8
1,1,2-Trichloroethane	6.8	U	0.50	6.8
Trichloroethene	6.8	U	1.1	6.8
Trichlorofluoromethane	6.8	U	0.20	6.8
1,2,3-Trichloropropane	6.8	U	1.3	6.8
1,1,2-Trichloro-1,2,2-trifluoroethane	6.8	U	1.1	6.8
1,2,4-Trimethylbenzene	6.8	U	1.0	6.8
1,3,5-Trimethylbenzene	6.8	U	0.68	6.8
Vinyl chloride	6.8	U	0.31	6.8
m&p-Xylene	6.8	U	0.48	6.8
o-Xylene	6.8	U	0.26	6.8

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	72	59 - 132
4-Bromofluorobenzene	101	34 - 124
Dibromofluoromethane	74	59 - 123
Toluene-d8 (Surr)	87	50 - 118

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: SB-61

Lab Sample ID: 220-8960-1
Client Matrix: Solid
% Moisture: 16.9
Date Sampled: 04/30/2009 0930
Date Received: 04/30/2009 1717

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 5.0
Date Analyzed: 05/07/2009 1630
Date Prepared: 05/07/2009 1106

Analysis Batch: 220-26961
Prep Batch: 220-26939

Instrument ID: TJA Trace ICAP
Lab File ID: W050709
Initial Weight/Volume: 2.05 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		~~9.2~~ 24.2U	~~J~~	7.5	24.2
Arsenic		~~28.7~~ 30.8U	~~J~~	9.9	30.8
Barium		80.4 J		0.37	7.3
Beryllium		7.3	U	0.37	7.3
Cadmium		7.3	U	1.5	7.3
Chromium		2090 J		0.73	7.3
Copper		911 J		2.8	8.8
Lead		685		4.6	22.0
Cobalt		26.4		0.73	7.3
Nickel		304		1.5	7.3
Selenium		55.1	U	18.4	55.1
Silver		~~0.69~~ 7.3U	~~J~~	0.37	7.3
Thallium		22.0	U	5.1	22.0
Vanadium		26.9		1.5	7.3
Zinc		292 J		7.3	36.7
Tin		53.0		5.9	22.0

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/08/2009 1100
Date Prepared: 05/07/2009 1300

Analysis Batch: 220-26971
Prep Batch: 220-26952

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.036~~ 0.058U	J	0.0047	0.058

Revised 6/17/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-2
Sdg Number: 220-8960

Client Sample ID: SB-61

Lab Sample ID: 220-8960-1
Client Matrix: Solid

Date Sampled: 04/30/2009 0930
Date Received: 04/30/2009 1717

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27638		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27622		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27611		Initial Weight/Volume:	100 mL
Date Analyzed:	06/02/2009 1719			Final Weight/Volume:	500 mL
Date Prepared:	06/02/2009 1141				
Date Leached:	06/01/2009 1510				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Antimony		4.0	U	1.2	4.0
Arsenic		~~2.0~~ 2.5U ✓	~~J~~	0.28	2.5
Chromium		~~2.5~~ 5.0U ✓	~~J~~	0.48	5.0
Copper		~~0.87~~ 5.0U ✓	~~J~~	0.47	5.0
Nickel		312		0.58	2.5
Cobalt		33.2		0.63	2.5
Lead		2.5	U	0.50	2.5
Vanadium		2.5	U	0.56	2.5

6/2/09 6/16/09

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **SB-61**

Lab Sample ID: 220-8960-1
Client Matrix: *Solid* *% Moisture:* *16.9*

Date Sampled: 04/30/2009 0930
Date Received: 04/30/2009 1717

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/06/2009 0054
Date Prepared: 05/01/2009 0828

Analysis Batch: 220-26891
Prep Batch: 220-26758

Instrument ID: HP 6890 dual ECD
Lab File ID: D9042922.D
Initial Weight/Volume: 15.21 g
Final Weight/Volume: 5.0 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	20	U	2.3	20
PCB-1221	20	U	2.3	20
PCB-1232	20	U	2.3	20
PCB-1242	20	U	2.3	20
PCB-1248	20	U	2.3	20
PCB-1254	20	U	5.1	20
PCB-1260	20	U	5.1	20
PCB-1262	20	U	5.1	20
PCB-1268	20	U	5.1	20

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	37	24 - 150
Tetrachloro-m-xylene	36	24 - 150

Jrm 5/24/09

VW 6/1/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **SB-61**

Lab Sample ID: 220-8960-1
Client Matrix: Solid
% Moisture: 16.9

Date Sampled: 04/30/2009 0930
Date Received: 04/30/2009 1717

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 10
Date Analyzed: 05/12/2009 1922
Date Prepared: 05/01/2009 0832

Analysis Batch: 220-27037
Prep Batch: 220-26759

Instrument ID: HP7890
Lab File ID: DX1021129.D
Initial Weight/Volume: 15.21 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	2400000		140000	140000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	216	*	50 - 150

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **SB/MW-62**

Lab Sample ID: 220-8960-2
Client Matrix: Solid

% Moisture: 17.5

Date Sampled: 04/30/2009 1015
Date Received: 04/30/2009 1717

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/14/2009 1915
Date Prepared: 05/01/2009 1543

Analysis Batch: 220-27195
Prep Batch: 220-26789

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0554.D
Initial Weight/Volume: 5.74 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	21	U	2.4	21
Acrylonitrile	5.3	U	1.5	5.3
Benzene	5.3	U	0.60	5.3
Bromobenzene	5.3	U	0.56	5.3
n-Butylbenzene	5.3	U	1.2	5.3
sec-Butylbenzene	5.3	U	0.56	5.3
tert-Butylbenzene	5.3	U	0.31	5.3
Bromodichloromethane	5.3	U	0.32	5.3
Bromoform	5.3	U	0.64	5.3
Bromomethane	5.3	U	2.2	5.3
Methyl Ethyl Ketone	11	U	1.7	11
Chlorobenzene	5.3	U	0.62	5.3
Carbon disulfide	5.3	UJ	0.43	5.3
Carbon tetrachloride	5.3	U	1.0	5.3
Chloroethane	5.3	U	1.0	5.3
Chloroform	5.3	U	0.36	5.3
Chloromethane	5.3	U	0.82	5.3
2-Chlorotoluene	5.3	U	0.68	5.3
4-Chlorotoluene	5.3	U	0.67	5.3
Dibromochloromethane	5.3	U	0.37	5.3
1,2-Dibromo-3-Chloropropane	11	U	4.8	11
1,2-Dibromoethane	5.3	U	0.80	5.3
Dibromomethane	5.3	U	0.68	5.3
1,2-Dichlorobenzene	5.3	U	0.25	5.3
1,3-Dichlorobenzene	5.3	U	0.22	5.3
1,4-Dichlorobenzene	5.3	U	0.71	5.3
trans-1,4-Dichloro-2-butene	11	U	1.2	11
Dichlorodifluoromethane	5.3	U	0.37	5.3
1,1-Dichloroethane	5.3	U	0.32	5.3
1,2-Dichloroethane	5.3	U	0.61	5.3
1,1-Dichloroethene	5.3	U	0.61	5.3
cis-1,2-Dichloroethene	5.3	U	0.39	5.3
trans-1,2-Dichloroethene	5.3	U	0.41	5.3
1,2-Dichloropropane	5.3	U	0.71	5.3
1,3-Dichloropropane	5.3	U	0.72	5.3
2,2-Dichloropropane	5.3	U	0.73	5.3
1,1-Dichloropropene	26	U	0.60	26
cis-1,3-Dichloropropene	5.3	U	0.59	5.3
trans-1,3-Dichloropropene	5.3	U	0.29	5.3
Ethylbenzene	5.3	U	0.74	5.3
Hexachlorobutadiene	5.3	U	0.65	5.3
2-Hexanone	11	U	1.3	11
Isopropylbenzene	5.3	U	0.20	5.3
4-Isopropyltoluene	5.3	U	0.56	5.3

Jm 5/24/09

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **SB/MW-62**

Lab Sample ID: 220-8960-2
Client Matrix: Solid

% Moisture: 17.5

Date Sampled: 04/30/2009 1015
Date Received: 04/30/2009 1717

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/14/2009 1915
Date Prepared: 05/01/2009 1543

Analysis Batch: 220-27195
Prep Batch: 220-26789

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0554.D
Initial Weight/Volume: 5.74 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	21	U	1.2	21
methyl isobutyl ketone	5.3	U	0.58	5.3
Methyl tert-butyl ether	5.3	U	0.22	5.3
Naphthalene	5.3	U	0.31	5.3
N-Propylbenzene	5.3	U	0.64	5.3
Styrene	5.3	U	0.16	5.3
1,1,1,2-Tetrachloroethane	5.3	U	0.55	5.3
1,1,2,2-Tetrachloroethane	5.3	U	0.55	5.3
Toluene	5.3	U	0.078	5.3
Tetrachloroethene	5.3	U	0.86	5.3
Tetrahydrofuran	21	U	6.5	21
1,2,3-Trichlorobenzene	5.3	U	0.65	5.3
1,2,4-Trichlorobenzene	5.3	U	0.79	5.3
1,1,1-Trichloroethane	5.3	U	0.56	5.3
1,1,2-Trichloroethane	5.3	U	0.39	5.3
Trichloroethene	5.3	U	0.86	5.3
Trichlorofluoromethane	5.3	U	0.16	5.3
1,2,3-Trichloropropane	5.3	U	0.97	5.3
1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U	0.83	5.3
1,2,4-Trimethylbenzene	5.3	U	0.80	5.3
1,3,5-Trimethylbenzene	5.3	U	0.53	5.3
Vinyl chloride	5.3	U	0.24	5.3
m&p-Xylene	5.3	U	0.37	5.3
o-Xylene	5.3	U	0.20	5.3

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77	59 - 132
4-Bromofluorobenzene	102	34 - 124
Dibromofluoromethane	73	59 - 123
Toluene-d8 (Surr)	81	50 - 118

Jm 5/24/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **SB/MW-62**

Lab Sample ID: 220-8960-2
Client Matrix: Solid

% Moisture: 17.5

Date Sampled: 04/30/2009 1015
Date Received: 04/30/2009 1717

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/12/2009 1344
Date Prepared: 05/08/2009 1055

Analysis Batch: 220-27083
Prep Batch: 220-26968

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.08 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.8	U	1.5	4.8
Arsenic		19.1 J.		2.0	6.1
Barium		26.1 J.		0.073	1.5
Beryllium		~~0.24~~ 1.5U ✓	~~J~~	0.073	1.5
Cadmium		1.5	U	0.29	1.5
Chromium		25.4 J.		0.15	1.5
Copper		26.6 J.		0.55	1.7
Lead		22.0		0.90	4.4
Cobalt		2.2		0.15	1.5
Nickel		5.9		0.29	1.5
Selenium		10.9	U	3.6	10.9
Silver		1.5	U	0.073	1.5
Thallium		4.4	U	1.0	4.4
Vanadium		11.6		0.29	1.5
Zinc		14.9 J.		1.5	7.3
Tin		~~1.7~~ 4.4U.	~~J~~	1.2	4.4

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/08/2009 1101
Date Prepared: 05/07/2009 1300

Analysis Batch: 220-26971
Prep Batch: 220-26952

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.65 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.024~~ 0.056U	✓	0.0045	0.056

Revised 6/17/09
JM
JW 6/26/09

JM 5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8960-2
Sdg Number: 220-8960

Client Sample ID: **SB/MW-62**

Lab Sample ID: 220-8960-2
Client Matrix: Solid

Date Sampled: 04/30/2009 1015
Date Received: 04/30/2009 1717

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27638		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27622		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27611		Initial Weight/Volume:	100 mL
Date Analyzed:	06/02/2009 1723			Final Weight/Volume:	500 mL
Date Prepared:	06/02/2009 1141				
Date Leached:	06/01/2009 1510				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		2.5	U	0.28	2.5
Chromium		~~2.2~~ 5.0U	~~J~~	0.48	5.0
Cobalt		2.6		0.63	2.5
Lead		~~2.0~~ 2.5U	~~J~~	0.50	2.5
Vanadium		2.5	U	0.56	2.5

VW 6/25/09 06/11/2009

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: SB/MW-62

Lab Sample ID: 220-8960-2
Client Matrix: Solid
% Moisture: 17.5

Date Sampled: 04/30/2009 1015
Date Received: 04/30/2009 1717

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/06/2009 0113
Date Prepared: 05/01/2009 0828

Analysis Batch: 220-26891
Prep Batch: 220-26758

Instrument ID: HP 6890 dual ECD
Lab File ID: D9042923.D
Initial Weight/Volume: 15.05 g
Final Weight/Volume: 5.0 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	21	U	2.3	21
PCB-1221	21	U	2.3	21
PCB-1232	21	U	2.3	21
PCB-1242	21	U	2.3	21
PCB-1248	21	U	2.3	21
PCB-1254	21	U	5.2	21
PCB-1260	21	U	5.2	21
PCB-1262	21	U	5.2	21
PCB-1268	21	U	5.2	21

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	68	24 - 150
Tetrachloro-m-xylene	78	24 - 150

5/24/09
6/4/09

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

Client Sample ID: **SB/MW-62**

Lab Sample ID: 220-8960-2
Client Matrix: Solid
% Moisture: 17.5
Date Sampled: 04/30/2009 1015
Date Received: 04/30/2009 1717

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/12/2009 1016
Date Prepared: 05/01/2009 0832

Analysis Batch: 220-27037
Prep Batch: 220-26759

Instrument ID: HP7890
Lab File ID: DX1021104.D
Initial Weight/Volume: 15.37 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	140000		14000	14000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	118	50 - 150

Jm 5/24/09

WO 6/4/09

Client: GEI Consultants, Inc.

Job Number: 220-8960-1
Sdg Number: 220-8960

General Chemistry

Client Sample ID: **SB-61**

Revised 6/17/09 [illegible] 6/26/09

Lab Sample ID: 220-8960-1
Client Matrix: Solid

% Moisture: 16.9

Date Sampled: 04/30/2009 0930
Date Received: 04/30/2009 1717

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	~~130~~ 580 U		ug/Kg	58	580	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1632			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1600			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16.9		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26802	Date Analyzed		05/02/2009 1435			
Percent Solids	83.1		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26802	Date Analyzed		05/02/2009 1435			

Client Sample ID: **SB/MW-62**

Lab Sample ID: 220-8960-2
Client Matrix: Solid

% Moisture: 17.5

Date Sampled: 04/30/2009 1015
Date Received: 04/30/2009 1717

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	590	U	ug/Kg	59	590	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1633			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1600			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26802	Date Analyzed		05/02/2009 1435			
Percent Solids	82.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26802	Date Analyzed		05/02/2009 1435			

[illegible] 8/28/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-63 (1-5)**

Lab Sample ID: 220-8986-6
Client Matrix: Solid
% Moisture: 4.7

Date Sampled: 05/01/2009 0855
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1749
Date Prepared: 05/02/2009 1049

Analysis Batch: 220-27158
Prep Batch: 220-26799

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0507.D
Initial Weight/Volume: 4.67 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	22	U ¹	2.5	22
Acrylonitrile	5.6	U	1.6	5.6
Benzene	5.6	U	0.64	5.6
Bromobenzene	5.6	U	0.60	5.6
n-Butylbenzene	5.6	U	1.3	5.6
sec-Butylbenzene	5.6	U	0.60	5.6
tert-Butylbenzene	5.6	U	0.33	5.6
Bromodichloromethane	5.6	U	0.34	5.6
Bromoform	5.6	U	0.69	5.6
Bromomethane	5.6	U	2.3	5.6
Methyl Ethyl Ketone	11	U ¹	1.8	11
Chlorobenzene	5.6	U	0.66	5.6
Carbon disulfide	5.6	U	0.46	5.6
Carbon tetrachloride	5.6	U	1.1	5.6
Chloroethane	5.6	U	1.1	5.6
Chloroform	5.6	U	0.38	5.6
Chloromethane	5.6	U	0.88	5.6
2-Chlorotoluene	5.6	U	0.72	5.6
4-Chlorotoluene	5.6	U	0.71	5.6
Dibromochloromethane	5.6	U	0.39	5.6
1,2-Dibromo-3-Chloropropane	11	U	5.1	11
1,2-Dibromoethane	5.6	U	0.85	5.6
Dibromomethane	5.6	U	0.72	5.6
1,2-Dichlorobenzene	5.6	U	0.27	5.6
1,3-Dichlorobenzene	5.6	U	0.24	5.6
1,4-Dichlorobenzene	5.6	U	0.75	5.6
trans-1,4-Dichloro-2-butene	11	U ¹	1.3	11
Dichlorodifluoromethane	5.6	U	0.39	5.6
1,1-Dichloroethane	5.6	U	0.34	5.6
1,2-Dichloroethane	5.6	U	0.65	5.6
1,1-Dichloroethene	5.6	U	0.65	5.6
cis-1,2-Dichloroethene	5.6	U	0.42	5.6
trans-1,2-Dichloroethene	5.6	U	0.44	5.6
1,2-Dichloropropane	5.6	U	0.75	5.6
1,3-Dichloropropane	5.6	U	0.76	5.6
2,2-Dichloropropane	5.6	U	0.78	5.6
1,1-Dichloropropene	28	U	0.64	28
cis-1,3-Dichloropropene	5.6	U	0.63	5.6
trans-1,3-Dichloropropene	5.6	U	0.30	5.6
Ethylbenzene	5.6	U	0.79	5.6
Hexachlorobutadiene	5.6	U	0.70	5.6
2-Hexanone	11	U ¹	1.3	11
Isopropylbenzene	5.6	U	0.21	5.6
4-Isopropyltoluene	5.6	U	0.60	5.6

Jhm 5/23/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-63 (1-5)**

Lab Sample ID: *220-8986-6*
Client Matrix: Solid

% Moisture: 4.7

Date Sampled: *05/01/2009 0855*
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1749
Date Prepared: 05/02/2009 1049

Analysis Batch: 220-27158
Prep Batch: 220-26799

Instrument ID: *HP 5890/5971A GC/MS*
Lab File ID: O0507.D
Initial Weight/Volume: 4.67 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	22	U	1.2	22
methyl isobutyl ketone	5.6	U	0.62	5.6
Methyl tert-butyl ether	5.6	U	0.24	5.6
Naphthalene	5.6	U	0.33	5.6
N-Propylbenzene	5.6	U	0.69	5.6
Styrene	5.6	U	0.17	5.6
1,1,1,2-Tetrachloroethane	5.6	U	0.58	5.6
1,1,2,2-Tetrachloroethane	5.6	U	0.58	5.6
Toluene	5.6	U	0.083	5.6
Tetrachloroethene	5.6	U	0.91	5.6
Tetrahydrofuran	22	U	6.9	22
1,2,3-Trichlorobenzene	5.6	U	0.70	5.6
1,2,4-Trichlorobenzene	5.6	U	0.84	5.6
1,1,1-Trichloroethane	5.6	U	0.60	5.6
1,1,2-Trichloroethane	5.6	U	0.42	5.6
Trichloroethene	5.6	U	0.91	5.6
Trichlorofluoromethane	5.6	U	0.17	5.6
1,2,3-Trichloropropane	5.6	U	1.0	5.6
1,1,2-Trichloro-1,2,2-trifluoroethane	5.6	U	0.89	5.6
1,2,4-Trimethylbenzene	5.6	U	0.85	5.6
1,3,5-Trimethylbenzene	5.6	U	0.56	5.6
Vinyl chloride	5.6	U	0.26	5.6
m&p-Xylene	~~0.69~~ 5.6	~~J~~ U	0.39	5.6
o-Xylene	5.6	U	0.21	5.6

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	75	59 - 132
4-Bromofluorobenzene	91	34 - 124
Dibromofluoromethane	73	59 - 123
Toluene-d8 (Surr)	84	50 - 118

5/26/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-63 (1-5)**

Lab Sample ID: 220-8986-6
Client Matrix: Solid
% Moisture: 4.7

Date Sampled: 05/01/2009 0855
Date Received: 05/01/2009 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/08/2009 1901
Date Prepared: 05/04/2009 1252

Analysis Batch: 220-27006
Prep Batch: 220-26813

Instrument ID: HP 6890/5975
Lab File ID: A5026.D
Initial Weight/Volume: 15.08 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene	280	U	17	280
Acenaphthylene	280	U	14	280
Aniline	280	U	37	280
Anthracene	280	U	11	280
Benzo[a]anthracene	280	U	10	280
Benzo[b]fluoranthene	280	U	7.5	280
Benzo[g,h,i]perylene	280	U	18	280
Benzo[k]fluoranthene	280	U	25	280
Benzo[a]pyrene	280	U	7.6	280
Bis(2-chloroethyl)ether	280	U	15	280
Bis(2-chloroethoxy)methane	280	U	13	280
2,2'-oxybis[1-chloropropane]	280	U	15	280
Bis(2-ethylhexyl) phthalate	~~150~~ 280U	~~J B~~	27	280
4-Bromophenyl phenyl ether	280	U	18	280
Benzyl alcohol	280	U	27	280
Butyl benzyl phthalate	280	U	16	280
Carbazole	280	U	16	280
4-Chloroaniline	280	U	46	280
4-Chloro-3-methylphenol	280	U	12	280
2-Chloronaphthalene	280	U	12	280
2-Chlorophenol	280	U	16	280
4-Chlorophenyl phenyl ether	280	U	21	280
Chrysene	280	U	21	280
Dibenzofuran	280	U	20	280
Dibenz(a,h)anthracene	280	U	22	280
3,3'-Dichlorobenzidine	700	U	58	700
2,4-Dichlorophenol	280	U	15	280
Diethyl phthalate	280	U	28	280
2,4-Dimethylphenol	280	U	14	280
Dimethyl phthalate	280	U	16	280
Benzoic acid	1800	U	390	1800
Di-n-butyl phthalate	280	U	41	280
4,6-Dinitro-2-methylphenol	1800	U	120	1800
2,4-Dinitrophenol	1800	UJ	85	1800
2,4-Dinitrotoluene	280	U	22	280
2,6-Dinitrotoluene	280	U	8.2	280
Di-n-octyl phthalate	280	U	16	280
Fluoranthene	280	U	14	280
Fluorene	280	U	17	280
Hexachlorobenzene	280	U	20	280
Hexachlorobutadiene	280	U	22	280
Hexachlorocyclopentadiene	700	U	130	700
Hexachloroethane	280	U	16	280
Indeno[1,2,3-cd]pyrene	280	U	18	280

JAM 5/25/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-63 (1-5)**

Lab Sample ID: 220-8986-6
Client Matrix: Solid
% Moisture: 4.7

Date Sampled: 05/01/2009 0855
Date Received: 05/01/2009 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/08/2009 1901
Date Prepared: 05/04/2009 1252

Analysis Batch: 220-27006
Prep Batch: 220-26813

Instrument ID: HP 6890/5975
Lab File ID: A5026.D
Initial Weight/Volume: 15.08 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Isophorone	280	U	16	280
2-Methylnaphthalene	280	U	8.0	280
2-Methylphenol	280	U	17	280
4-Methylphenol	280	U	18	280
Naphthalene	280	U	15	280
2-Nitroaniline	1800	U	17	1800
3-Nitroaniline	1800	U	9.0	1800
4-Nitroaniline	280	U	22	280
Nitrobenzene	280	U	18	280
2-Nitrophenol	280	U	18	280
4-Nitrophenol	1800	U	21	1800
N-Nitrosodiphenylamine	280	U	16	280
N-Nitrosodi-n-propylamine	280	U	19	280
Pentachlorophenol	1800	U	170	1800
Pentachloronitrobenzene	340	U	62	340
Phenanthrene	280	U	14	280
Phenol	280	U	19	280
Pyrene	280	U	13	280
Pyridine	1400	U	310	1400
1,2,4,5-Tetrachlorobenzene	340	U	45	340
1,2,4-Trichlorobenzene	280	U	18	280
2,4,5-Trichlorophenol	1800	U	14	1800
2,4,6-Trichlorophenol	280	U	7.7	280

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	65	37 - 120
2-Fluorobiphenyl	70	41 - 120
2-Fluorophenol	65	34 - 120
Nitrobenzene-d5	66	38 - 120
Phenol-d5	62	36 - 120
Terphenyl-d14	85	32 - 125

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: SB-63 (1-5)

Lab Sample ID: 220-8986-6
Client Matrix: Solid
% Moisture: 4.7
Date Sampled: 05/01/2009 0855
Date Received: 05/01/2009 1710

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/12/2009 1425
Date Prepared: 05/08/2009 1055

Analysis Batch: 220-27083
Prep Batch: 220-26968

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.02 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.3	U	1.3	4.3
Arsenic		5.5	U	1.8	5.5
Barium		45.0 J.		0.065	1.3
Beryllium		~~0.47~~ 1.3U ✓	~~J~~	0.065	1.3
Cadmium		1.3	U	0.26	1.3
Chromium		11.9 J.		0.13	1.3
Copper		15.6 J.		0.49	1.6
Lead		4.3		0.81	3.9
Cobalt		4.3		0.13	1.3
Nickel		8.6		0.26	1.3
Selenium		9.7	U	3.2	9.7
Silver		1.3	U	0.065	1.3
Thallium		3.9	U	0.91	3.9
Vanadium		15.0		0.26	1.3
Zinc		31.9 J.		1.3	6.5
Tin		3.9	U	1.0	3.9

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/08/2009 1108
Date Prepared: 05/07/2009 1300

Analysis Batch: 220-26971
Prep Batch: 220-26952

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.0092~~ 0.052U ✓	~~J~~	0.0042	0.052

6/17/09
6/25/09

5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-2
Sdg Number: 220-8986

Client Sample ID: **SB-63 (1-5)**

Lab Sample ID:	220-8986-6	Date Sampled:	05/01/2009 0855
Client Matrix:	Solid	Date Received:	05/01/2009 1710

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27638		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27622		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27611		Initial Weight/Volume:	100 mL
Date Analyzed:	06/02/2009 1647			Final Weight/Volume:	500 mL
Date Prepared:	06/02/2009 1141				
Date Leached:	06/01/2009 1510				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Chromium		5.9 U		0.48	5.0
Cobalt		~~0.93~~ 2.5U	~~J~~	0.63	2.5
Lead		~~2.4~~ 2.5U	~~J~~	0.50	2.5
Vanadium		4.8		0.56	2.5

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-64 (1-3)**

Lab Sample ID: 220-8986-7
Client Matrix: Solid
% Moisture: 1.5
Date Sampled: 05/01/2009 0940
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1814
Date Prepared: 05/02/2009 1050

Analysis Batch: 220-27158
Prep Batch: 220-26799

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0508.D
Initial Weight/Volume: 4.22 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	~~6.6~~ 24	~~J~~ U	2.7	24
Acrylonitrile	6.0	U	1.7	6.0
Benzene	6.0	U	0.69	6.0
Bromobenzene	6.0	U	0.64	6.0
n-Butylbenzene	6.0	U	1.4	6.0
sec-Butylbenzene	6.0	U	0.64	6.0
tert-Butylbenzene	6.0	U	0.35	6.0
Bromodichloromethane	6.0	U	0.36	6.0
Bromoform	6.0	U	0.73	6.0
Bromomethane	6.0	U	2.5	6.0
Methyl Ethyl Ketone	12	U	1.9	12
Chlorobenzene	6.0	U	0.71	6.0
Carbon disulfide	6.0	U	0.49	6.0
Carbon tetrachloride	6.0	U	1.1	6.0
Chloroethane	6.0	U	1.2	6.0
Chloroform	6.0	U	0.41	6.0
Chloromethane	6.0	U	0.94	6.0
2-Chlorotoluene	6.0	U	0.77	6.0
4-Chlorotoluene	6.0	U	0.76	6.0
Dibromochloromethane	6.0	U	0.42	6.0
1,2-Dibromo-3-Chloropropane	12	U	5.5	12
1,2-Dibromoethane	6.0	U	0.91	6.0
Dibromomethane	6.0	U	0.77	6.0
1,2-Dichlorobenzene	6.0	U	0.29	6.0
1,3-Dichlorobenzene	6.0	U	0.25	6.0
1,4-Dichlorobenzene	6.0	U	0.81	6.0
trans-1,4-Dichloro-2-butene	12	U	1.3	12
Dichlorodifluoromethane	6.0	U	0.42	6.0
1,1-Dichloroethane	6.0	U	0.36	6.0
1,2-Dichloroethane	6.0	U	0.70	6.0
1,1-Dichloroethene	6.0	U	0.70	6.0
cis-1,2-Dichloroethene	6.0	U	0.45	6.0
trans-1,2-Dichloroethene	6.0	U	0.47	6.0
1,2-Dichloropropane	6.0	U	0.81	6.0
1,3-Dichloropropane	6.0	U	0.82	6.0
2,2-Dichloropropane	6.0	U	0.83	6.0
1,1-Dichloropropene	30	U	0.69	30
cis-1,3-Dichloropropene	6.0	U	0.67	6.0
trans-1,3-Dichloropropene	6.0	U	0.32	6.0
Ethylbenzene	6.0	U	0.84	6.0
Hexachlorobutadiene	6.0	U	0.75	6.0
2-Hexanone	12	U	1.4	12
Isopropylbenzene	6.0	U	0.23	6.0
4-Isopropyltoluene	6.0	U	0.64	6.0

5/21/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: SB-64 (1-3)

Lab Sample ID: 220-8986-7
Client Matrix: Solid
% Moisture: 1.5

Date Sampled: 05/01/2009 0940
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1814
Date Prepared: 05/02/2009 1050

Analysis Batch: 220-27158
Prep Batch: 220-26799

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0508.D
Initial Weight/Volume: 4.22 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	24	U	1.3	24
methyl isobutyl ketone	6.0	U ↕	0.66	6.0
Methyl tert-butyl ether	6.0	U	0.25	6.0
Naphthalene	6.0	U	0.35	6.0
N-Propylbenzene	6.0	U	0.73	6.0
Styrene	6.0	U	0.18	6.0
1,1,1,2-Tetrachloroethane	6.0	U	0.63	6.0
1,1,2,2-Tetrachloroethane	6.0	U	0.63	6.0
Toluene	6.0	U	0.089	6.0
Tetrachloroethene	6.0	U	0.97	6.0
Tetrahydrofuran	24	U	7.4	24
1,2,3-Trichlorobenzene	6.0	U	0.75	6.0
1,2,4-Trichlorobenzene	6.0	U	0.90	6.0
1,1,1-Trichloroethane	6.0	U	0.84	6.0
1,1,2-Trichloroethane	6.0	U	0.45	6.0
Trichloroethene	6.0	U	0.97	6.0
Trichlorofluoromethane	6.0	U	0.18	6.0
1,2,3-Trichloropropane	6.0	U	1.1	6.0
1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	U	0.95	6.0
1,2,4-Trimethylbenzene	6.0	U	0.91	6.0
1,3,5-Trimethylbenzene	6.0	U	0.60	6.0
Vinyl chloride	6.0	U	0.28	6.0
m&p-Xylene	6.0	U	0.42	6.0
o-Xylene	6.0	U	0.23	6.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85	59 - 132
4-Bromofluorobenzene	104	34 - 124
Dibromofluoromethane	80	59 - 123
Toluene-d8 (Surr)	91	50 - 118

Jan 5/21/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-64 (1-3)**

Lab Sample ID: 220-8986-7
Client Matrix: Solid
% Moisture: 1.5

Date Sampled: 05/01/2009 0940
Date Received: 05/01/2009 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/08/2009 1927
Date Prepared: 05/04/2009 1252

Analysis Batch: 220-27006
Prep Batch: 220-26813

Instrument ID: HP 6890/5975
Lab File ID: A5027.D
Initial Weight/Volume: 15.16 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene	270	U	16	270
Acenaphthylene	270	U	13	270
Aniline	270	U	36	270
Anthracene	270	U	11	270
Benzo[a]anthracene	270	U	9.6	270
Benzo[b]fluoranthene	270	U	7.2	270
Benzo[g,h,i]perylene	270	U	18	270
Benzo[k]fluoranthene	270	U	24	270
Benzo[a]pyrene	270	U	7.3	270
Bis(2-chloroethyl)ether	270	U	14	270
Bis(2-chloroethoxy)methane	270	U	13	270
2,2'-oxybis[1-chloropropane]	270	U	14	270
Bis(2-ethylhexyl) phthalate	~~450~~ 2700	~~JB~~	26	270
4-Bromophenyl phenyl ether	270	U	17	270
Benzyl alcohol	270	U	26	270
Butyl benzyl phthalate	270	U	15	270
Carbazole	270	U	15	270
4-Chloroaniline	270	U	44	270
4-Chloro-3-methylphenol	270	U	11	270
2-Chloronaphthalene	270	U	12	270
2-Chlorophenol	270	U	16	270
4-Chlorophenyl phenyl ether	270	U	20	270
Chrysene	270	U	20	270
Dibenzofuran	270	U	19	270
Dibenz(a,h)anthracene	270	U	21	270
3,3'-Dichlorobenzidine	670	U	56	670
2,4-Dichlorophenol	270	U	14	270
Diethyl phthalate	270	U	27	270
2,4-Dimethylphenol	270	U	13	270
Dimethyl phthalate	270	U	16	270
Benzoic acid	1700	U	380	1700
Di-n-butyl phthalate	270	U	39	270
4,6-Dinitro-2-methylphenol	1700	U	120	1700
2,4-Dinitrophenol	1700	UJ	81	1700
2,4-Dinitrotoluene	270	U	22	270
2,6-Dinitrotoluene	270	U	7.9	270
Di-n-octyl phthalate	270	U	15	270
Fluoranthene	270	U	13	270
Fluorene	270	U	16	270
Hexachlorobenzene	270	U	19	270
Hexachlorobutadiene	270	U	21	270
Hexachlorocyclopentadiene	670	U	130	670
Hexachloroethane	270	U	15	270
Indeno[1,2,3-cd]pyrene	270	U	18	270

JAM 5/26/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-64 (1-3)**

Lab Sample ID: 220-8986-7
Client Matrix: Solid
% Moisture: 1.5
Date Sampled: 05/01/2009 0940
Date Received: 05/01/2009 1710

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/08/2009 1927
Date Prepared: 05/04/2009 1252
Analysis Batch: 220-27006
Prep Batch: 220-26813
Instrument ID: HP 6890/5975
Lab File ID: A5027.D
Initial Weight/Volume: 15.16 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Isophorone	270	U	15	270
2-Methylnaphthalene	270	U	7.7	270
2-Methylphenol	270	U	16	270
4-Methylphenol	270	U	18	270
Naphthalene	270	U	14	270
2-Nitroaniline	1700	U	16	1700
3-Nitroaniline	1700	U	8.6	1700
4-Nitroaniline	270	U	21	270
Nitrobenzene	270	U	17	270
2-Nitrophenol	270	U	17	270
4-Nitrophenol	1700	U	20	1700
N-Nitrosodiphenylamine	270	U	15	270
N-Nitrosodi-n-propylamine	270	U	18	270
Pentachlorophenol	1700	U	160	1700
Pentachloronitrobenzene	330	U	59	330
Phenanthrene	270	U	13	270
Phenol	270	U	18	270
Pyrene	270	U	13	270
Pyridine	1300	U	300	1300
1,2,4,5-Tetrachlorobenzene	330	U	43	330
1,2,4-Trichlorobenzene	270	U	18	270
2,4,5-Trichlorophenol	1700	U	14	1700
2,4,6-Trichlorophenol	270	U	7.4	270

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	70	37 - 120
2-Fluorobiphenyl	77	41 - 120
2-Fluorophenol	76	34 - 120
Nitrobenzene-d5	76	38 - 120
Phenol-d5	73	36 - 120
Terphenyl-d14	96	32 - 125

JAM 5/21/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: SB-64 (1-3)

Lab Sample ID: 220-8986-7
Client Matrix: Solid
% Moisture: 1.5
Date Sampled: 05/01/2009 0940
Date Received: 05/01/2009 1710

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/12/2009 1428
Date Prepared: 05/08/2009 1055

Analysis Batch: 220-27083
Prep Batch: 220-26968

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.10 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.0	U	1.2	4.0
Arsenic		5.1	U	1.6	5.1
Barium		43.7 J.		0.060	1.2
Beryllium		~~0.64~~ 1.2U ✓	~~J~~	0.060	1.2
Cadmium		1.2	U	0.24	1.2
Chromium		12.6 J.		0.12	1.2
Copper		21.0 J.		0.46	1.5
Lead		3.7		0.75	3.6
Cobalt		6.0		0.12	1.2
Nickel		9.6		0.24	1.2
Selenium		9.1	U	3.0	9.1
Silver		1.2	U	0.060	1.2
Thallium		~~4.1~~ 3.6U ✓	~~J~~	0.85	3.6
Vanadium		20.7		0.24	1.2
Zinc		33.7 J.		1.2	6.0
Tin		~~4.3~~ 3.6U	J	0.97	3.6

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/08/2009 1109
Date Prepared: 05/07/2009 1300

Analysis Batch: 220-26971
Prep Batch: 220-26952

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.050	U	0.0040	0.050

6/17/09
6/23/09

5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-2
Sdg Number: 220-8986

Client Sample ID: **SB-64 (1-3)**

Lab Sample ID: 220-8986-7
Client Matrix: Solid

Date Sampled: 05/01/2009 0940
Date Received: 05/01/2009 1710

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27638		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27622		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27611		Initial Weight/Volume:	100 mL
Date Analyzed:	06/02/2009 1651			Final Weight/Volume:	500 mL
Date Prepared:	06/02/2009 1141				
Date Leached:	06/01/2009 1510				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Chromium		~~2.9~~ 5.0U	~~J~~	0.48	5.0
Cobalt		~~1.9~~ 2.5U	~~J~~	0.63	2.5
Lead		2.5	U	0.50	2.5
Vanadium		~~0.98~~ 2.5U	~~J~~	0.56	2.5

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-66 (5-7)**

Lab Sample ID: 220-8986-9
Client Matrix: Solid
% Moisture: 15.3
Date Sampled: 05/01/2009 1015
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1839
Date Prepared: 05/02/2009 1052

Analysis Batch: 220-27158
Prep Batch: 220-26799

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0509.D
Initial Weight/Volume: 4.74 g
Final Weight/Volume: 5 mL

Analyte	*DryWt Corrected: Y Result (ug/Kg)*	*Qualifier*	*MDL*	*RL*
Acetone	~~48~~ 25 U	~~J~~	2.8	25
Acrylonitrile	6.2	U	1.8	6.2
Benzene	6.2	U	0.71	6.2
Bromobenzene	6.2	U	0.66	6.2
n-Butylbenzene	6.2	U	1.4	6.2
sec-Butylbenzene	6.2	U	0.66	6.2
tert-Butylbenzene	6.2	U	0.36	6.2
Bromodichloromethane	6.2	U	0.37	6.2
Bromoform	6.2	U	0.76	6.2
Bromomethane	6.2	U	2.6	6.2
Methyl Ethyl Ketone	12	U	2.0	12
Chlorobenzene	6.2	U	0.73	6.2
Carbon disulfide	6.2	U	0.51	6.2
Carbon tetrachloride	6.2	U	1.2	6.2
Chloroethane	6.2	U	1.2	6.2
Chloroform	6.2	U	0.42	6.2
Chloromethane	6.2	U	0.97	6.2
2-Chlorotoluene	6.2	U	0.80	6.2
4-Chlorotoluene	6.2	U	0.78	6.2
Dibromochloromethane	6.2	U	0.44	6.2
1,2-Dibromo-3-Chloropropane	12	U	5.6	12
1,2-Dibromoethane	6.2	U	0.95	6.2
Dibromomethane	6.2	U	0.80	6.2
1,2-Dichlorobenzene	6.2	U	0.30	6.2
1,3-Dichlorobenzene	6.2	U	0.26	6.2
1,4-Dichlorobenzene	6.2	U	0.83	6.2
trans-1,4-Dichloro-2-butene	12	U	1.4	12
Dichlorodifluoromethane	6.2	U	0.44	6.2
1,1-Dichloroethane	6.2	U	0.37	6.2
1,2-Dichloroethane	6.2	U	0.72	6.2
1,1-Dichloroethene	6.2	U	0.72	6.2
cis-1,2-Dichloroethene	6.2	U	0.46	6.2
trans-1,2-Dichloroethene	6.2	U	0.49	6.2
1,2-Dichloropropane	6.2	U	0.83	6.2
1,3-Dichloropropane	6.2	U	0.85	6.2
2,2-Dichloropropane	6.2	U	0.86	6.2
1,1-Dichloropropene	31	U	0.71	31
cis-1,3-Dichloropropene	6.2	U	0.70	6.2
trans-1,3-Dichloropropene	6.2	U	0.34	6.2
Ethylbenzene	6.2	U	0.87	6.2
Hexachlorobutadiene	6.2	U	0.77	6.2
2-Hexanone	12	U	1.5	12
Isopropylbenzene	6.2	U	0.24	6.2
4-Isopropyltoluene	6.2	U	0.66	6.2

JPM 5/23/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-66 (5-7)**

Lab Sample ID: 220-8986-9
Client Matrix: Solid

% Moisture: 15.3

Date Sampled: 05/01/2009 1015
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1839
Date Prepared: 05/02/2009 1052

Analysis Batch: 220-27158
Prep Batch: 220-26799

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0509.D
Initial Weight/Volume: 4.74 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	25	U	1.4	25
methyl isobutyl ketone	6.2	U	0.68	6.2
Methyl tert-butyl ether	6.2	U	0.26	6.2
Naphthalene	6.2	U	0.36	6.2
N-Propylbenzene	6.2	U	0.76	6.2
Styrene	6.2	U	0.19	6.2
1,1,1,2-Tetrachloroethane	6.2	U	0.65	6.2
1,1,2,2-Tetrachloroethane	6.2	U	0.65	6.2
Toluene	6.2	U	0.092	6.2
Tetrachloroethene	~~4.5~~ 6.2	~~J~~ U	1.0	6.2
Tetrahydrofuran	25	U	7.7	25
1,2,3-Trichlorobenzene	6.2	U	0.77	6.2
1,2,4-Trichlorobenzene	6.2	U	0.93	6.2
1,1,1-Trichloroethane	6.2	U	0.66	6.2
1,1,2-Trichloroethane	6.2	U	0.46	6.2
Trichloroethene	8.1		1.0	6.2
Trichlorofluoromethane	6.2	U	0.19	6.2
1,2,3-Trichloropropane	6.2	U	1.1	6.2
1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U	0.98	6.2
1,2,4-Trimethylbenzene	6.2	U	0.95	6.2
1,3,5-Trimethylbenzene	6.2	U	0.62	6.2
Vinyl chloride	6.2	U	0.29	6.2
m&p-Xylene	6.2	U	0.44	6.2
o-Xylene	6.2	U	0.24	6.2

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80	59 - 132
4-Bromofluorobenzene	99	34 - 124
Dibromofluoromethane	76	59 - 123
Toluene-d8 (Surr)	88	50 - 118

5/23/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: SB-66 (5-7)

Lab Sample ID: 220-8986-9
Client Matrix: Solid
% Moisture: 15.3
Date Sampled: 05/01/2009 1015
Date Received: 05/01/2009 1710

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/12/2009 1431
Date Prepared: 05/08/2009 1055

Analysis Batch: 220-27083
Prep Batch: 220-26968

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.02 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.8	U	1.5	4.8
Arsenic		6.1	U	2.0	6.1
Barium		45.7 J.		0.073	1.5
Beryllium		~~0.49~~ 1.5U	~~J~~	0.073	1.5
Cadmium		1.5	U	0.29	1.5
Chromium		20.7 J.		0.15	1.5
Copper		33.3 J.		0.56	1.8
Lead		27.8		0.91	4.4
Cobalt		4.8		0.15	1.5
Nickel		9.9		0.29	1.5
Selenium		11.0	U	3.7	11.0
Silver		~~0.51~~ 1.5U	~~J~~	0.073	1.5
Thallium		~~1.6~~ 4.4U	~~J~~	1.0	4.4
Vanadium		17.8		0.29	1.5
Zinc		114 J.		1.5	7.3
Tin		~~4.9~~ 4.4U	~~J~~	1.2	4.4

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/08/2009 1112
Date Prepared: 05/07/2009 1300

Analysis Batch: 220-26971
Prep Batch: 220-26952

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.65 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.023~~ 0.054U	~~J~~	0.0044	0.054

6/17/09
6/25/09

5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-2
Sdg Number: 220-8986

Client Sample ID: **SB-66 (5-7)**

Lab Sample ID: 220-8986-9
Client Matrix: *Solid*

Date Sampled: 05/01/2009 1015
Date Received: 05/01/2009 1710

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27638		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27622		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27611		Initial Weight/Volume:	100 mL
Date Analyzed:	06/02/2009 1702			Final Weight/Volume:	500 mL
Date Prepared:	06/02/2009 1141				
Date Leached:	06/01/2009 1510				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Chromium		~~3.8~~ 5.0U	~~J~~	0.48	5.0
Cobalt		2.5	U	0.63	2.5
Lead		~~1.2~~ 2.5U	~~J~~	0.50	2.5
Vanadium		3.0		0.56	2.5

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-66 (5-7)**

Lab Sample ID: 220-8986-9
Client Matrix: Solid
% Moisture: 15.3
Date Sampled: 05/01/2009 1015
Date Received: 05/01/2009 1710

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 25
Date Analyzed: 05/12/2009 1903
Date Prepared: 05/04/2009 1310

Analysis Batch: 220-27037
Prep Batch: 220-26825

Instrument ID: HP7890
Lab File ID: DX1021128.D
Initial Weight/Volume: 15.13 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	3000000		350000	350000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	50 - 150

5/19/09

General Chemistry

Client Sample ID: ***SB-64 (1-3)***

Lab Sample ID: 220-8986-7
Client Matrix: Solid
% Moisture: 1.5
Date Sampled: 05/01/2009 0940
Date Received: 05/01/2009 1710

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	500	U	ug/Kg	50	500	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1642			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1600			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	1.53		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839	Date Analyzed		05/04/2009 1546			
Percent Solids	98.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839	Date Analyzed		05/04/2009 1546			

Client Sample ID: **SB-66 (5-7)**

Lab Sample ID: 220-8986-9
Client Matrix: Solid
% Moisture: 15.3
Date Sampled: 05/01/2009 1015
Date Received: 05/01/2009 1710

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	570	U	ug/Kg	57	570	1.0	9012B
	Anly Batch: 220-26923	Date Analyzed		05/06/2009 1644			DryWt Corrected: Y
	Prep Batch: 220-26879	Date Prepared:		05/05/2009 1600			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.3		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839	Date Analyzed		05/04/2009 1546			
Percent Solids	84.7		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839	Date Analyzed		05/04/2009 1546			

5/29/09
6/4/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-67 (2-3)**

Lab Sample ID: 220-8986-10
Client Matrix: Solid

% Moisture: 17.0

Date Sampled: 05/01/2009 1125
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1904
Date Prepared: 05/02/2009 1053

Analysis Batch: 220-27158
Prep Batch: 220-26799

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0510.D
Initial Weight/Volume: 4.38 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	28	U *	3.1	28
Acrylonitrile	6.9	U	1.9	6.9
Benzene	6.9	U	0.78	6.9
Bromobenzene	6.9	U	0.73	6.9
n-Butylbenzene	6.9	U	1.6	6.9
sec-Butylbenzene	6.9	U	0.73	6.9
tert-Butylbenzene	6.9	U	0.40	6.9
Bromodichloromethane	6.9	U	0.41	6.9
Bromoform	6.9	U	0.84	6.9
Bromomethane	6.9	U	2.9	6.9
Methyl Ethyl Ketone	14	U *	2.2	14
Chlorobenzene	6.9	U	0.81	6.9
Carbon disulfide	6.9	U	0.56	6.9
Carbon tetrachloride	6.9	U	1.3	6.9
Chloroethane	6.9	U	1.3	6.9
Chloroform	6.9	U	0.47	6.9
Chloromethane	6.9	U	1.1	6.9
2-Chlorotoluene	6.9	U	0.88	6.9
4-Chlorotoluene	6.9	U	0.87	6.9
Dibromochloromethane	6.9	U	0.48	6.9
1,2-Dibromo-3-Chloropropane	14	U	6.2	14
1,2-Dibromoethane	6.9	U	1.0	6.9
Dibromomethane	6.9	U	0.88	6.9
1,2-Dichlorobenzene	6.9	U	0.33	6.9
1,3-Dichlorobenzene	6.9	U	0.29	6.9
1,4-Dichlorobenzene	6.9	U	0.92	6.9
trans-1,4-Dichloro-2-butene	14	U *	1.5	14
Dichlorodifluoromethane	6.9	U	0.48	6.9
1,1-Dichloroethane	6.9	U	0.41	6.9
1,2-Dichloroethane	6.9	U	0.80	6.9
1,1-Dichloroethene	6.9	U	0.80	6.9
cis-1,2-Dichloroethene	6.9	U	0.51	6.9
trans-1,2-Dichloroethene	6.9	U	0.54	6.9
1,2-Dichloropropane	6.9	U	0.92	6.9
1,3-Dichloropropane	6.9	U	0.94	6.9
2,2-Dichloropropane	6.9	U	0.95	6.9
1,1-Dichloropropene	34	U	0.78	34
cis-1,3-Dichloropropene	6.9	U	0.77	6.9
trans-1,3-Dichloropropene	6.9	U	0.37	6.9
Ethylbenzene	6.9	U	0.96	6.9
Hexachlorobutadiene	6.9	U	0.85	6.9
2-Hexanone	14	U *	1.7	14
Isopropylbenzene	6.9	U	0.26	6.9
4-Isopropyltoluene	6.9	U	0.73	6.9

Jm 5/23/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-67 (2-3)**

Lab Sample ID: 220-8986-10
Client Matrix: Solid
% Moisture: 17.0

Date Sampled: 05/01/2009 1125
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1904
Date Prepared: 05/02/2009 1053

Analysis Batch: 220-27158
Prep Batch: 220-26799

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0510.D
Initial Weight/Volume: 4.38 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	28	U	1.5	28
methyl isobutyl ketone	6.9	U	0.76	6.9
Methyl tert-butyl ether	6.9	U	0.29	6.9
Naphthalene	6.9	U	0.40	6.9
N-Propylbenzene	6.9	U	0.84	6.9
Styrene	6.9	U	0.21	6.9
1,1,1,2-Tetrachloroethane	6.9	U	0.72	6.9
1,1,2,2-Tetrachloroethane	6.9	U	0.72	6.9
Toluene	6.9	U	0.10	6.9
Tetrachloroethene	6.9	U	1.1	6.9
Tetrahydrofuran	28	U	8.5	28
1,2,3-Trichlorobenzene	6.9	U	0.85	6.9
1,2,4-Trichlorobenzene	6.9	U	1.0	6.9
1,1,1-Trichloroethane	6.9	U	0.73	6.9
1,1,2-Trichloroethane	6.9	U	0.51	6.9
Trichloroethene	~~1.6~~ 6.9	~~J~~ U	1.1	6.9
Trichlorofluoromethane	6.9	U	0.21	6.9
1,2,3-Trichloropropane	6.9	U	1.3	6.9
1,1,2-Trichloro-1,2,2-trifluoroethane	6.9	U	1.1	6.9
1,2,4-Trimethylbenzene	6.9	U	1.0	6.9
1,3,5-Trimethylbenzene	6.9	U	0.69	6.9
Vinyl chloride	6.9	U	0.32	6.9
m&p-Xylene	6.9	U	0.48	6.9
o-Xylene	6.9	U	0.26	6.9

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77	59 - 132
4-Bromofluorobenzene	99	34 - 124
Dibromofluoromethane	75	59 - 123
Toluene-d8 (Surr)	84	50 - 118

JVm 5/23/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: SB-67 (2-3)

Lab Sample ID:	220-8986-10		Date Sampled:	05/01/2009 1125
Client Matrix:	Solid	% Moisture: 17.0	Date Received:	05/01/2009 1710

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-27083	Instrument ID:	Perkin Elmer ICP
Preparation:	3050B	Prep Batch: 220-26968	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	2.02 g
Date Analyzed:	05/12/2009 1434		Final Weight/Volume:	250 mL
Date Prepared:	05/08/2009 1055			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.9	U	1.5	4.9
Arsenic		~~3.5~~ 6.3U ✓	~~J~~	2.0	6.3
Barium		49.1 J.		0.075	1.5
Beryllium		~~0.61~~ 1.5U	~~J~~	0.075	1.5
Cadmium		1.5	U	0.30	1.5
Chromium		14.2 J.		0.15	1.5
Copper		25.4 J.		0.57	1.8
Lead		42.9		0.92	4.5
Cobalt		4.9		0.15	1.5
Nickel		9.8		0.30	1.5
Selenium		11.2	U	3.7	11.2
Silver		1.5	U	0.075	1.5
Thallium		4.5	U	1.0	4.5
Vanadium		23.8		0.30	1.5
Zinc		69.5 J.		1.5	7.5
Tin		~~2.0~~ 4.5U.	~~J~~	1.2	4.5

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-26971	Instrument ID:	Perkin Elmer FIMS
Preparation:	7471A	Prep Batch: 220-26952	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.64 g
Date Analyzed:	05/08/2009 1113		Final Weight/Volume:	50 mL
Date Prepared:	05/07/2009 1300			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.051~~ 0.056U ✓	~~J~~	0.0045	0.056

6/17/09

6/25/09

5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-2
Sdg Number: 220-8986

Client Sample ID: **SB-67 (2-3)**

Lab Sample ID: 220-8986-10
Client Matrix: Solid

Date Sampled: 05/01/2009 1125
Date Received: 05/01/2009 1710

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27638		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27622		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27611		Initial Weight/Volume:	100 mL
Date Analyzed:	06/02/2009 1705			Final Weight/Volume:	500 mL
Date Prepared:	06/02/2009 1141				
Date Leached:	06/01/2009 1510				

Analyte	*DryWt Corrected: N*	*Result (ug/L)*	*Qualifier*	*MDL*	*RL*
Arsenic		~~6.50~~ 2.5U	~~J~~	0.28	2.5
Chromium		~~8.3~~ 5.0U	~~J~~	0.48	5.0
Cobalt		2.5	U	0.63	2.5
Lead		~~1.3~~ 2.5U	~~J~~	0.50	2.5
Vanadium		~~1.4~~ 2.5U	~~J~~	0.56	2.5

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-67 (2-3)**

Lab Sample ID: 220-8986-10
Client Matrix: Solid
% Moisture: 17.0

Date Sampled: 05/01/2009 1125
Date Received: 05/01/2009 1710

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method: CT ETPH
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/12/2009 1744
Date Prepared: 05/04/2009 1310

Analysis Batch: 220-27037
Prep Batch: 220-26825

Instrument ID: HP7890
Lab File ID: DX1021124.D
Initial Weight/Volume: 15.05 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	41000		14000	14000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	83	50 - 150

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-68 (2-5)**

Lab Sample ID: 220-8986-11
Client Matrix: Solid
% Moisture: 1.4

Date Sampled: 05/01/2009 1140
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1929
Date Prepared: 05/02/2009 1054

Analysis Batch: 220-27158
Prep Batch: 220-26799

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0511.D
Initial Weight/Volume: 3.78 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	27	U *	3.0	27
Acrylonitrile	6.7	U	1.9	6.7
Benzene	6.7	U	0.76	6.7
Bromobenzene	6.7	U	0.71	6.7
n-Butylbenzene	6.7	U	1.5	6.7
sec-Butylbenzene	6.7	U	0.71	6.7
tert-Butylbenzene	6.7	U	0.39	6.7
Bromodichloromethane	6.7	U	0.40	6.7
Bromoform	6.7	U	0.82	6.7
Bromomethane	6.7	U	2.8	6.7
Methyl Ethyl Ketone	13	U *	2.1	13
Chlorobenzene	6.7	U	0.79	6.7
Carbon disulfide	6.7	U	0.55	6.7
Carbon tetrachloride	6.7	U	1.3	6.7
Chloroethane	6.7	U	1.3	6.7
Chloroform	6.7	U	0.46	6.7
Chloromethane	6.7	U	1.0	6.7
2-Chlorotoluene	6.7	U	0.86	6.7
4-Chlorotoluene	6.7	U	0.85	6.7
Dibromochloromethane	6.7	U	0.47	6.7
1,2-Dibromo-3-Chloropropane	13	U	6.1	13
1,2-Dibromoethane	6.7	U	1.0	6.7
Dibromomethane	6.7	U	0.86	6.7
1,2-Dichlorobenzene	6.7	U	0.32	6.7
1,3-Dichlorobenzene	6.7	U	0.28	6.7
1,4-Dichlorobenzene	6.7	U	0.90	6.7
trans-1,4-Dichloro-2-butene	13	U *	1.5	13
Dichlorodifluoromethane	6.7	U	0.47	6.7
1,1-Dichloroethane	6.7	U	0.40	6.7
1,2-Dichloroethane	6.7	U	0.78	6.7
1,1-Dichloroethene	6.7	U	0.78	6.7
cis-1,2-Dichloroethene	6.7	U	0.50	6.7
trans-1,2-Dichloroethene	6.7	U	0.52	6.7
1,2-Dichloropropane	6.7	U	0.90	6.7
1,3-Dichloropropane	6.7	U	0.91	6.7
2,2-Dichloropropane	6.7	U	0.93	6.7
1,1-Dichloropropene	34	U	0.76	34
cis-1,3-Dichloropropene	6.7	U	0.75	6.7
trans-1,3-Dichloropropene	6.7	U	0.36	6.7
Ethylbenzene	6.7	U	0.94	6.7
Hexachlorobutadiene	6.7	U	0.83	6.7
2-Hexanone	13	U *	1.6	13
Isopropylbenzene	6.7	U	0.25	6.7
4-Isopropyltoluene	6.7	U	0.71	6.7

Jam 5/22/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-68 (2-5)**

Lab Sample ID: 220-8986-11
Client Matrix: Solid
% Moisture: 1.4
Date Sampled: 05/01/2009 1140
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1929
Date Prepared: 05/02/2009 1054

Analysis Batch: 220-27158
Prep Batch: 220-26799

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0511.D
Initial Weight/Volume: 3.78 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	27	U	1.5	27
methyl isobutyl ketone	6.7	U t	0.74	6.7
Methyl tert-butyl ether	6.7	U	0.28	6.7
Naphthalene	6.7	U	0.39	6.7
N-Propylbenzene	6.7	U	0.82	6.7
Styrene	6.7	U	0.20	6.7
1,1,1,2-Tetrachloroethane	6.7	U	0.70	6.7
1,1,2,2-Tetrachloroethane	6.7	U	0.70	6.7
Toluene	6.7	U	0.099	6.7
Tetrachloroethene	6.7	U	1.1	6.7
Tetrahydrofuran	27	U	8.3	27
1,2,3-Trichlorobenzene	6.7	U	0.83	6.7
1,2,4-Trichlorobenzene	6.7	U	1.0	6.7
1,1,1-Trichloroethane	6.7	U	0.71	6.7
1,1,2-Trichloroethane	6.7	U	0.50	6.7
Trichloroethene	6.7	U	1.1	6.7
Trichlorofluoromethane	6.7	U	0.20	6.7
1,2,3-Trichloropropane	6.7	U	1.2	6.7
1,1,2-Trichloro-1,2,2-trifluoroethane	6.7	U	1.1	6.7
1,2,4-Trimethylbenzene	6.7	U	1.0	6.7
1,3,5-Trimethylbenzene	6.7	U	0.67	6.7
Vinyl chloride	6.7	U	0.31	6.7
m&p-Xylene	6.7	U	0.47	6.7
o-Xylene	6.7	U	0.25	6.7

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	76	59 - 132
4-Bromofluorobenzene	94	34 - 124
Dibromofluoromethane	72	59 - 123
Toluene-d8 (Surr)	82	50 - 118

Jan 5/14/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: SB-68 (2-5)

Lab Sample ID: 220-8986-11
Client Matrix: Solid
% Moisture: 1.4
Date Sampled: 05/01/2009 1140
Date Received: 05/01/2009 1710

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/12/2009 1437
Date Prepared: 05/08/2009 1055

Analysis Batch: 220-27083
Prep Batch: 220-26968

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.01 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.2	U	1.3	4.2
Arsenic		~~2.1~~ 5.3U ✓	~~J~~	1.7	5.3
Barium		51.7 J.		0.063	1.3
Beryllium		~~0.44~~ 1.3U ✓	~~J~~	0.063	1.3
Cadmium		1.3	U	0.25	1.3
Chromium		16.2 J.		0.13	1.3
Copper		12.3 J.		0.48	1.5
Lead		~~2.6~~ 3.8U	~~J~~ ✓	0.78	3.8
Cobalt		5.6		0.13	1.3
Nickel		10.8		0.25	1.3
Selenium		9.5	U	3.2	9.5
Silver		1.3	U	0.063	1.3
Thallium		3.8	U	0.88	3.8
Vanadium		23.1		0.25	1.3
Zinc		27.5 J.		1.3	6.3
Tin		3.8	U	1.0	3.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/08/2009 1114
Date Prepared: 05/07/2009 1300

Analysis Batch: 220-26971
Prep Batch: 220-26952

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.049	U	0.0039	0.049

6/17/09 SN 06/25/09

5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-2
Sdg Number: 220-8986

Client Sample ID: **SB-68 (2-5)**

Lab Sample ID: 220-8986-11
Client Matrix: Solid

Date Sampled: 05/01/2009 1140
Date Received: 05/01/2009 1710

6020 Metals (ICP/MS)-SPLP East

Method:	*6020*	*Analysis Batch:* 220-27638	*Instrument ID:*	*Agilent ICPMS*	
Preparation:	3010A	Prep Batch: 220-27622	Lab File ID:	N/A	
Dilution:	1.0	Leachate Batch: 220-27611	Initial Weight/Volume:	100	mL
Date Analyzed:	06/02/2009 1709		Final Weight/Volume:	500	mL
Date Prepared:	06/02/2009 1141				
Date Leached:	06/01/2009 1510				

Analyte	*DryWt Corrected: N*	*Result (ug/L)*	*Qualifier*	*MDL*	*RL*
Chromium		~~2.6~~ 5.0U	~~J~~	0.48	5.0
Cobalt		2.5	U	0.63	2.5
Vanadium		~~0.97~~ 2.5U	~~J~~	0.56	2.5

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-68 (2-5)**

Lab Sample ID:	220-8986-11			Date Sampled:	05/01/2009 1140
Client Matrix:	Solid	% Moisture:	1.4	Date Received:	05/01/2009 1710

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26825		Lab File ID:	DX1021125.D
Dilution:	1.0			Initial Weight/Volume:	15.13 g
Date Analyzed:	05/12/2009 1804			Final Weight/Volume:	1 mL
Date Prepared:	05/04/2009 1310			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	12000	U	12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	81	50 - 150

General Chemistry

Client Sample ID: **SB-67 (2-3)**

Lab Sample ID: 220-8986-10
Client Matrix: Solid
% Moisture: 17.0
Date Sampled: 05/01/2009 1125
Date Received: 05/01/2009 1710

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	~~190~~ 600U	~~J~~	ug/Kg	60	600	1.0	9012B
	Anly Batch: 220-27021	Date Analyzed		05/11/2009 1338			DryWt Corrected: Y
	Prep Batch: 220-27017	Date Prepared:		05/11/2009 1030			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17.0		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839	Date Analyzed		05/04/2009 1546			
Percent Solids	83.0		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839	Date Analyzed		05/04/2009 1546			

Client Sample ID: **SB-68 (2-5)**

Lab Sample ID: 220-8986-11
Client Matrix: Solid
% Moisture: 1.4
Date Sampled: 05/01/2009 1140
Date Received: 05/01/2009 1710

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	510	U	ug/Kg	51	510	1.0	9012B
	Anly Batch: 220-27021	Date Analyzed		05/11/2009 1339			DryWt Corrected: Y
	Prep Batch: 220-27017	Date Prepared:		05/11/2009 1030			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	1.43		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839	Date Analyzed		05/04/2009 1558			
Percent Solids	98.6		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839	Date Analyzed		05/04/2009 1558			

6/17/09
6/12/09

5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-69 (2-5)**

Lab Sample ID: 220-8986-12
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 05/01/2009 1355
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1954
Date Prepared: 05/02/2009 1054

Analysis Batch: 220-27158
Prep Batch: 220-26799

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0512.D
Initial Weight/Volume: 3.90 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	30	U *	3.4	30
Acrylonitrile	7.5	U	2.1	7.5
Benzene	7.5	U	0.86	7.5
Bromobenzene	7.5	U	0.80	7.5
n-Butylbenzene	7.5	U	1.7	7.5
sec-Butylbenzene	7.5	U	0.80	7.5
tert-Butylbenzene	7.5	U	0.44	7.5
Bromodichloromethane	7.5	U	0.45	7.5
Bromoform	7.5	U	0.92	7.5
Bromomethane	7.5	U	3.1	7.5
Methyl Ethyl Ketone	15	U *	2.4	15
Chlorobenzene	7.5	U	0.89	7.5
Carbon disulfide	7.5	U	0.62	7.5
Carbon tetrachloride	7.5	U	1.4	7.5
Chloroethane	7.5	U	1.5	7.5
Chloroform	7.5	U	0.51	7.5
Chloromethane	7.5	U	1.2	7.5
2-Chlorotoluene	7.5	U	0.96	7.5
4-Chlorotoluene	7.5	U	0.95	7.5
Dibromochloromethane	7.5	U	0.53	7.5
1,2-Dibromo-3-Chloropropane	15	U	6.8	15
1,2-Dibromoethane	7.5	U	1.1	7.5
Dibromomethane	7.5	U	0.96	7.5
1,2-Dichlorobenzene	7.5	U	0.36	7.5
1,3-Dichlorobenzene	7.5	U	0.32	7.5
1,4-Dichlorobenzene	7.5	U	1.0	7.5
trans-1,4-Dichloro-2-butene	15	U *	1.7	15
Dichlorodifluoromethane	7.5	U	0.53	7.5
1,1-Dichloroethane	7.5	U	0.45	7.5
1,2-Dichloroethane	7.5	U	0.87	7.5
1,1-Dichloroethene	7.5	U	0.87	7.5
cis-1,2-Dichloroethene	7.5	U	0.56	7.5
trans-1,2-Dichloroethene	7.5	U	0.59	7.5
1,2-Dichloropropane	7.5	U	1.0	7.5
1,3-Dichloropropane	7.5	U	1.0	7.5
2,2-Dichloropropane	7.5	U	1.0	7.5
1,1-Dichloropropene	38	U	0.86	38
cis-1,3-Dichloropropene	7.5	U	0.84	7.5
trans-1,3-Dichloropropene	7.5	U	0.41	7.5
Ethylbenzene	7.5	U	1.1	7.5
Hexachlorobutadiene	7.5	U	0.93	7.5
2-Hexanone	15	U *	1.8	15
Isopropylbenzene	7.5	U	0.29	7.5
4-Isopropyltoluene	7.5	U	0.80	7.5

Jam 5/21

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: SB-69 (2-5)

Lab Sample ID: 220-8986-12
Client Matrix: Solid
% Moisture: 14.6

Date Sampled: 05/01/2009 1355
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/12/2009 1954
Date Prepared: 05/02/2009 1054

Analysis Batch: 220-27158
Prep Batch: 220-26799

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0512.D
Initial Weight/Volume: 3.90 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	30	U	1.6	30
methyl isobutyl ketone	7.5	U	0.83	7.5
Methyl tert-butyl ether	7.5	U	0.32	7.5
Naphthalene	7.5	U	0.44	7.5
N-Propylbenzene	7.5	U	0.92	7.5
Styrene	7.5	U	0.23	7.5
1,1,1,2-Tetrachloroethane	7.5	U	0.78	7.5
1,1,2,2-Tetrachloroethane	7.5	U	0.78	7.5
Toluene	7.5	U	0.11	7.5
Tetrachloroethene	7.5	U	1.2	7.5
Tetrahydrofuran	30	U	9.2	30
1,2,3-Trichlorobenzene	7.5	U	0.93	7.5
1,2,4-Trichlorobenzene	7.5	U	1.1	7.5
1,1,1-Trichloroethane	7.5	U	0.80	7.5
1,1,2-Trichloroethane	7.5	U	0.56	7.5
Trichloroethene	7.5	U	1.2	7.5
Trichlorofluoromethane	7.5	U	0.23	7.5
1,2,3-Trichloropropane	7.5	U	1.4	7.5
1,1,2-Trichloro-1,2,2-trifluoroethane	7.5	U	1.2	7.5
1,2,4-Trimethylbenzene	7.5	U	1.1	7.5
1,3,5-Trimethylbenzene	7.5	U	0.75	7.5
Vinyl chloride	7.5	U	0.35	7.5
m&p-Xylene	7.5	U	0.53	7.5
o-Xylene	7.5	U	0.29	7.5

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	75	59 - 132
4-Bromofluorobenzene	95	34 - 124
Dibromofluoromethane	73	59 - 123
Toluene-d8 (Surr)	83	50 - 118

jrm 5/23/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-69 (2-5)**

Lab Sample ID: 220-8986-12
Client Matrix: Solid
% Moisture: 14.6
Date Sampled: 05/01/2009 1355
Date Received: 05/01/2009 1710

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/12/2009 1441
Date Prepared: 05/08/2009 1055

Analysis Batch: 220-27083
Prep Batch: 220-26968

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.04 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.7	U	1.5	4.7
Arsenic		6.0	U	1.9	6.0
Barium		37.7 J.		0.072	1.4
Beryllium		~~0.45~~ 1.4U ✓	~~J~~	0.072	1.4
Cadmium		1.4	U	0.29	1.4
Chromium		9.0 J.		0.14	1.4
Copper		9.1 J.		0.55	1.7
Lead		5.0		0.89	4.3
Cobalt		4.1		0.14	1.4
Nickel		23.2		0.29	1.4
Selenium		10.8	U	3.6	10.8
Silver		1.4	U	0.072	1.4
Thallium		4.3	U	1.0	4.3
Vanadium		12.4		0.29	1.4
Zinc		25.9 J.		1.4	7.2
Tin		4.3	U	1.1	4.3

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/08/2009 1115
Date Prepared: 05/07/2009 1300

Analysis Batch: 220-26971
Prep Batch: 220-26952

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.64 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.055	U	0.0044	0.055

6/17/09
6/25/09

5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-2
Sdg Number: 220-8986

Client Sample ID: **SB-69 (2-5)**

Lab Sample ID: 220-8986-12
Client Matrix: Solid

Date Sampled: 05/01/2009 1355
Date Received: 05/01/2009 1710

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27638		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27622		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27611		Initial Weight/Volume:	100 mL
Date Analyzed:	06/02/2009 1712			Final Weight/Volume:	500 mL
Date Prepared:	06/02/2009 1141				
Date Leached:	06/01/2009 1510				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Nickel		~~0.67~~ 2.5U ✓	~~J~~	0.58	2.5
Cobalt		2.5	U	0.63	2.5
Lead		2.5	U	0.50	2.5
Vanadium		~~0.89~~ 2.5U ✓	~~J~~	0.56	2.5

WO 6/11/09 6/10/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-69 (2-5)**

Lab Sample ID:	220-8986-12			Date Sampled:	05/01/2009 1355
Client Matrix:	Solid	% Moisture:	14.6	Date Received:	05/01/2009 1710

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26825		Lab File ID:	DX1021112.D
Dilution:	1.0			Initial Weight/Volume:	15.37 g
Date Analyzed:	05/12/2009 1255			Final Weight/Volume:	1 mL
Date Prepared:	05/04/2009 1310			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	14000	U	14000	14000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	103	50 - 150

5/29/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: **SB-70 (2-5)**

Lab Sample ID: 220-8986-13
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 05/01/2009 1415
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/13/2009 2211
Date Prepared: 05/02/2009 1055

Analysis Batch: 220-27150
Prep Batch: 220-26799

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0536.D
Initial Weight/Volume: 2.75 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	40	U ↑	4.5	40
Acrylonitrile	10	U	2.8	10
Benzene	10	U	1.1	10
Bromobenzene	10	U	1.1	10
n-Butylbenzene	10	U	2.3	10
sec-Butylbenzene	10	U	1.1	10
tert-Butylbenzene	10	U	0.58	10
Bromodichloromethane	10	U	0.60	10
Bromoform	10	U	1.2	10
Bromomethane	10	U	4.2	10
Methyl Ethyl Ketone	20	U ↑	3.2	20
Chlorobenzene	10	U	1.2	10
Carbon disulfide	10	U	0.82	10
Carbon tetrachloride	10	U	1.9	10
Chloroethane	10	U	2.0	10
Chloroform	10	U	0.68	10
Chloromethane	10	U ↑	1.6	10
2-Chlorotoluene	10	U	1.3	10
4-Chlorotoluene	10	U	1.3	10
Dibromochloromethane	10	U	0.70	10
1,2-Dibromo-3-Chloropropane	20	U	9.1	20
1,2-Dibromoethane	10	U	1.5	10
Dibromomethane	10	U	1.3	10
1,2-Dichlorobenzene	10	U	0.48	10
1,3-Dichlorobenzene	10	U	0.42	10
1,4-Dichlorobenzene	10	U	1.3	10
trans-1,4-Dichloro-2-butene	20	U ↑	2.3	20
Dichlorodifluoromethane	10	U ↑	0.70	10
1,1-Dichloroethane	10	U	0.60	10
1,2-Dichloroethane	10	U	1.2	10
1,1-Dichloroethene	10	U	1.2	10
cis-1,2-Dichloroethene	10	U	0.74	10
trans-1,2-Dichloroethene	10	U	0.78	10
1,2-Dichloropropane	10	U	1.3	10
1,3-Dichloropropane	10	U	1.4	10
2,2-Dichloropropane	10	U	1.4	10
1,1-Dichloropropene	50	U	1.1	50
cis-1,3-Dichloropropene	10	U	1.1	10
trans-1,3-Dichloropropene	10	U	0.54	10
Ethylbenzene	10	U	1.4	10
Hexachlorobutadiene	10	U	1.2	10
2-Hexanone	20	U	2.4	20
Isopropylbenzene	10	U	0.38	10
4-Isopropyltoluene	10	U	1.1	10

JAM 5/26/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: SB-70 (2-5)

Lab Sample ID: 220-8986-13
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 05/01/2009 1415
Date Received: 05/01/2009 1710

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/13/2009 2211
Date Prepared: 05/02/2009 1055

Analysis Batch: 220-27150
Prep Batch: 220-26799

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0536.D
Initial Weight/Volume: 2.75 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	40	U	2.2	40
methyl isobutyl ketone	10	U	1.1	10
Methyl tert-butyl ether	10	U	0.42	10
Naphthalene	10	U	0.58	10
N-Propylbenzene	10	U	1.2	10
Styrene	10	U	0.30	10
1,1,1,2-Tetrachloroethane	10	U	1.0	10
1,1,2,2-Tetrachloroethane	10	U	1.0	10
Toluene	10	U	0.15	10
Tetrachloroethene	10	U	1.6	10
Tetrahydrofuran	40	U	12	40
1,2,3-Trichlorobenzene	10	U	1.2	10
1,2,4-Trichlorobenzene	10	U	1.5	10
1,1,1-Trichloroethane	10	U	1.1	10
1,1,2-Trichloroethane	10	U	0.74	10
Trichloroethene	10	U	1.6	10
Trichlorofluoromethane	10	U	0.30	10
1,2,3-Trichloropropane	10	U	1.9	10
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	1.6	10
1,2,4-Trimethylbenzene	10	U	1.5	10
1,3,5-Trimethylbenzene	10	U	1.0	10
Vinyl chloride	10	U	0.46	10
m&p-Xylene	10	U	0.70	10
o-Xylene	10	U	0.38	10

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	70	59 - 132
4-Bromofluorobenzene	94	34 - 124
Dibromofluoromethane	71	59 - 123
Toluene-d8 (Surr)	83	50 - 118

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: SB-70 (2-5)

Lab Sample ID: 220-8986-13
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 05/01/2009 1415
Date Received: 05/01/2009 1710

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/12/2009 1444
Date Prepared: 05/08/2009 1055

Analysis Batch: 220-27083
Prep Batch: 220-26968

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.05 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.5	U	1.4	4.5
Arsenic		5.7	U	1.8	5.7
Barium		45.6 J.		0.067	1.3
Beryllium		~~0.44~~ 1.3U ✓	~~J~~	0.067	1.3
Cadmium		1.3	U	0.27	1.3
Chromium		12.8 J.		0.13	1.3
Copper		8.7 J.		0.51	1.6
Lead		5.7		0.84	4.0
Cobalt		4.9		0.13	1.3
Nickel		327		0.27	1.3
Selenium		10.1	U	3.4	10.1
Silver		1.3	U	0.067	1.3
Thallium		~~1.4~~ 4.0U ✓	~~J~~	0.94	4.0
Vanadium		19.0		0.27	1.3
Zinc		28.3 J.		1.3	6.7
Tin		~~1.5~~ 4.0U.	J	1.1	4.0

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/13/2009 1628
Date Prepared: 05/13/2009 1240

Analysis Batch: 220-27138
Prep Batch: 220-27105

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.0057~~ 0.055U ✓	~~J~~	0.0044	0.055

6/17/09
6/25/09
5/29/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8986-2
Sdg Number: 220-8986

Client Sample ID: **SB-70 (2-5)**

Lab Sample ID:	220-8986-13	Date Sampled:	05/01/2009 1415
Client Matrix:	Solid	Date Received:	05/01/2009 1710

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27638		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27622		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27611		Initial Weight/Volume:	100 mL
Date Analyzed:	06/02/2009 1716			Final Weight/Volume:	500 mL
Date Prepared:	06/02/2009 1141				
Date Leached:	06/01/2009 1510				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Chromium		~~2.5~~ 5.0U	~~J~~	0.48	5.0
Nickel		12600		0.58	2.5
Cobalt		4.7		0.63	2.5
Lead		2.5	U	0.50	2.5
Vanadium		~~0.73~~ 2.5U	~~J~~	0.56	2.5

WO 6/25/09 Jam 6/16/09

Client: GEI Consultants, Inc.

Job Number: 220-8986-1
Sdg Number: 220-8986

Client Sample ID: SB-70 (2-5)

Lab Sample ID:	220-8986-13			Date Sampled:	05/01/2009 1415
Client Matrix:	Solid	% Moisture:	9.6	Date Received:	05/01/2009 1710

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26825		Lab File ID:	DX1021113.D
Dilution:	1.0			Initial Weight/Volume:	15.50 g
Date Analyzed:	05/12/2009 1315			Final Weight/Volume:	1 mL
Date Prepared:	05/04/2009 1310			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	95000		13000	13000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	127	50 - 150

5/29/09

General Chemistry

Client Sample ID: SB-69 (2-5)

Lab Sample ID: 220-8986-12
Client Matrix: Solid
% Moisture: 14.6
Date Sampled: 05/01/2009 1355
Date Received: 05/01/2009 1710

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	590	U	ug/Kg	59	590	1.0	9012B
	Anly Batch: 220-27021	Date Analyzed		05/11/2009 1340			DryWt Corrected: Y
	Prep Batch: 220-27017	Date Prepared:		05/11/2009 1030			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.6		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839	Date Analyzed		05/04/2009 1558			
Percent Solids	85.4		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839	Date Analyzed		05/04/2009 1558			

Client Sample ID: SB-70 (2-5)

Lab Sample ID: 220-8986-13
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 05/01/2009 1415
Date Received: 05/01/2009 1710

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	550	U	ug/Kg	55	550	1.0	9012B
	Anly Batch: 220-27021	Date Analyzed		05/11/2009 1333			DryWt Corrected: Y
	Prep Batch: 220-27017	Date Prepared:		05/11/2009 1030			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.62		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839	Date Analyzed		05/04/2009 1558			
Percent Solids	90.4		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26839	Date Analyzed		05/04/2009 1558			

5/29/09
6/1/09

'J' values changed to NO
No other changes JW 6/25/09
Am 6/17/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: SB-71 (12.5-14.5)

Lab Sample ID: 220-8994-1
Client Matrix: Solid
% Moisture: 5.3
Date Sampled: 05/04/2009 0845
Date Received: 05/04/2009 1610

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/13/2009 2236
Date Prepared: 05/05/2009 1102

Analysis Batch: 220-27150
Prep Batch: 220-26859

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 00537.D
Initial Weight/Volume: 4.80 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	22	U *	2.5	22
Acrylonitrile	5.5	U	1.6	5.5
Benzene	5.5	U	0.63	5.5
Bromobenzene	5.5	U	0.58	5.5
n-Butylbenzene	5.5	U	1.2	5.5
sec-Butylbenzene	5.5	U	0.58	5.5
tert-Butylbenzene	5.5	U	0.32	5.5
Bromodichloromethane	5.5	U	0.33	5.5
Bromoform	5.5	U	0.67	5.5
Bromomethane	5.5	U	2.3	5.5
Methyl Ethyl Ketone	11	U *	1.7	11
Chlorobenzene	5.5	U	0.65	5.5
Carbon disulfide	5.5	U	0.45	5.5
Carbon tetrachloride	5.5	U	1.0	5.5
Chloroethane	5.5	U	1.1	5.5
Chloroform	5.5	U	0.37	5.5
Chloromethane	5.5	U *	0.86	5.5
2-Chlorotoluene	5.5	U	0.70	5.5
4-Chlorotoluene	5.5	U	0.69	5.5
Dibromochloromethane	5.5	U	0.38	5.5
1,2-Dibromo-3-Chloropropane	11	U	5.0	11
1,2-Dibromoethane	5.5	U	0.84	5.5
Dibromomethane	5.5	U	0.70	5.5
1,2-Dichlorobenzene	5.5	U	0.26	5.5
1,3-Dichlorobenzene	5.5	U	0.23	5.5
1,4-Dichlorobenzene	5.5	U	0.74	5.5
trans-1,4-Dichloro-2-butene	11	U *	1.2	11
Dichlorodifluoromethane	5.5	U *	0.38	5.5
1,1-Dichloroethane	5.5	U	0.33	5.5
1,2-Dichloroethane	5.5	U	0.64	5.5
1,1-Dichloroethene	5.5	U	0.64	5.5
cis-1,2-Dichloroethene	5.5	U	0.41	5.5
trans-1,2-Dichloroethene	5.5	U	0.43	5.5
1,2-Dichloropropane	5.5	U	0.74	5.5
1,3-Dichloropropane	5.5	U	0.75	5.5
2,2-Dichloropropane	5.5	U	0.76	5.5
1,1-Dichloropropene	27	U	0.63	27
cis-1,3-Dichloropropene	5.5	U	0.62	5.5
trans-1,3-Dichloropropene	5.5	U	0.30	5.5
Ethylbenzene	5.5	U	0.77	5.5
Hexachlorobutadiene	5.5	U	0.68	5.5
2-Hexanone	11	U	1.3	11
Isopropylbenzene	5.5	U	0.21	5.5
4-Isopropyltoluene	5.5	U	0.58	5.5

Am 5/28/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: SB-71 (12.5-14.5)

Lab Sample ID: 220-8994-1
Client Matrix: Solid
% Moisture: 5.3

Date Sampled: 05/04/2009 0845
Date Received: 05/04/2009 1610

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/13/2009 2236
Date Prepared: 05/05/2009 1102

Analysis Batch: 220-27150
Prep Batch: 220-26859

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 00537.D
Initial Weight/Volume: 4.80 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	22	U	1.2	22
methyl isobutyl ketone	5.5	U	0.60	5.5
Methyl tert-butyl ether	5.5	U	0.23	5.5
Naphthalene	5.5	U	0.32	5.5
N-Propylbenzene	5.5	U	0.67	5.5
Styrene	5.5	U	0.16	5.5
1,1,1,2-Tetrachloroethane	5.5	U	0.57	5.5
1,1,2,2-Tetrachloroethane	5.5	U	0.57	5.5
Toluene	5.5	U	0.081	5.5
Tetrachloroethene	5.5	U	0.89	5.5
Tetrahydrofuran	22	U	6.8	22
1,2,3-Trichlorobenzene	5.5	U	0.68	5.5
1,2,4-Trichlorobenzene	5.5	U	0.82	5.5
1,1,1-Trichloroethane	5.5	U	0.58	5.5
1,1,2-Trichloroethane	5.5	U	0.41	5.5
Trichloroethene	5.5	U	0.89	5.5
Trichlorofluoromethane	5.5	U	0.16	5.5
1,2,3-Trichloropropane	5.5	U	1.0	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane	5.5	U	0.87	5.5
1,2,4-Trimethylbenzene	5.5	U	0.84	5.5
1,3,5-Trimethylbenzene	5.5	U	0.55	5.5
Vinyl chloride	5.5	U	0.25	5.5
m&p-Xylene	5.5	U	0.38	5.5
o-Xylene	5.5	U	0.21	5.5

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	70	59 - 132
4-Bromofluorobenzene	95	34 - 124
Dibromofluoromethane	74	59 - 123
Toluene-d8 (Surr)	82	50 - 118

JMM 5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: **SB-71 (12.5-14.5)**

Lab Sample ID: 220-8994-1
Client Matrix: Solid
% Moisture: 5.3
Date Sampled: 05/04/2009 0845
Date Received: 05/04/2009 1610

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/11/2009 1206
Date Prepared: 05/05/2009 1447
Analysis Batch: 220-27034
Prep Batch: 220-26855
Instrument ID: HP 6890/5975
Lab File ID: A5033.D
Initial Weight/Volume: 15.04 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene	280	U	17	280
Acenaphthylene	280	U	14	280
Aniline	280	U	38	280
Anthracene	280	U	11	280
Benzo[a]anthracene	280	U	10	280
Benzo[b]fluoranthene	280	U	7.6	280
Benzo[g,h,i]perylene	280	U	19	280
Benzo[k]fluoranthene	280	U	25	280
Benzo[a]pyrene	280	U	7.7	280
Bis(2-chloroethyl)ether	280	U	15	280
Bis(2-chloroethoxy)methane	280	U	13	280
2,2'-oxybis(1-chloropropane)	280	U	15	280
Bis(2-ethylhexyl) phthalate	280	U	27	280
4-Bromophenyl phenyl ether	280	U	18	280
Benzyl alcohol	280	U	27	280
Butyl benzyl phthalate	280	U	16	280
Carbazole	280	U	16	280
4-Chloroaniline	280	U	46	280
4-Chloro-3-methylphenol	280	U	12	280
2-Chloronaphthalene	280	U	12	280
2-Chlorophenol	280	U	17	280
4-Chlorophenyl phenyl ether	280	U	21	280
Chrysene	280	U	21	280
Dibenzofuran	280	U	20	280
Dibenz(a,h)anthracene	280	U	22	280
3,3'-Dichlorobenzidine	710	U	58	710
2,4-Dichlorophenol	280	U	15	280
Diethyl phthalate	280	U	29	280
2,4-Dimethylphenol	280	U	14	280
Dimethyl phthalate	280	U	16	280
Benzoic acid	1800	U	400	1800
Di-n-butyl phthalate	280	U	41	280
4,6-Dinitro-2-methylphenol	1800	U	120	1800
2,4-Dinitrophenol	1800	UJ	85	1800
2,4-Dinitrotoluene	280	U	23	280
2,6-Dinitrotoluene	280	U	8.3	280
Di-n-octyl phthalate	280	U	16	280
Fluoranthene	280	U	14	280
Fluorene	280	U	17	280
Hexachlorobenzene	280	U	20	280
Hexachlorobutadiene	280	U	22	280
Hexachlorocyclopentadiene	710	U	130	710
Hexachloroethane	280	U	16	280
Indeno[1,2,3-cd]pyrene	280	U	18	280

5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: SB-71 (12.5-14.5)

Lab Sample ID: 220-8994-1
Client Matrix: Solid
% Moisture: 5.3

Date Sampled: 05/04/2009 0845
Date Received: 05/04/2009 1610

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/11/2009 1206
Date Prepared: 05/05/2009 1447

Analysis Batch: 220-27034
Prep Batch: 220-26855

Instrument ID: HP 6890/5975
Lab File ID: A5033.D
Initial Weight/Volume: 15.04 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Isophorone	280	U	16	280
2-Methylnaphthalene	280	U	8.1	280
2-Methylphenol	280	U	17	280
4-Methylphenol	280	U	19	280
Naphthalene	280	U	15	280
2-Nitroaniline	1800	U	17	1800
3-Nitroaniline	1800	U	9.1	1800
4-Nitroaniline	280	U	22	280
Nitrobenzene	280	U	18	280
2-Nitrophenol	280	U	18	280
4-Nitrophenol	1800	U	21	1800
N-Nitrosodiphenylamine	280	U	16	280
N-Nitrosodi-n-propylamine	280	U	19	280
Pentachlorophenol	1800	U	170	1800
Pentachloronitrobenzene	350	U	62	350
Phenanthrene	280	U	14	280
Phenol	280	U	19	280
Pyrene	280	U	13	280
Pyridine	1400	U	310	1400
1,2,4,5-Tetrachlorobenzene	350	U	45	350
1,2,4-Trichlorobenzene	280	U	19	280
2,4,5-Trichlorophenol	1800	U	14	1800
2,4,6-Trichlorophenol	280	U	7.8	280

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	64	37 - 120
2-Fluorobiphenyl	68	41 - 120
2-Fluorophenol	66	34 - 120
Nitrobenzene-d5	65	38 - 120
Phenol-d5	64	36 - 120
Terphenyl-d14	73	32 - 125

5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: SB-71 (12.5-14.5)

Lab Sample ID: 220-8994-1
Client Matrix: Solid
% Moisture: 5.3
Date Sampled: 05/04/2009 0845
Date Received: 05/04/2009 1610

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/15/2009 1429
Date Prepared: 05/12/2009 1416

Analysis Batch: 220-27207
Prep Batch: 220-27072

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.06 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.2	U	1.3	4.2
Arsenic		5.4	U	1.7	5.4
Barium		65.1 J.		0.064	1.3
Beryllium		~~0.46~~ 1.3U ✓	~~J~~	0.064	1.3
Cadmium		1.3	U	0.26	1.3
Chromium		14.4 J.		0.13	1.3
Copper		20.4 J.		0.49	1.5
Lead		3.9 U.		0.79	3.8
Cobalt		5.3		0.13	1.3
Nickel		10.3		0.26	1.3
Selenium		9.6	U	3.2	9.6
Silver		1.3	U	0.064	1.3
Thallium		3.8	U	0.90	3.8
Vanadium		18.1		0.26	1.3
Zinc		27.6 J.		1.3	6.4
Tin		3.8	U	1.0	3.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/13/2009 1641
Date Prepared: 05/13/2009 1240

Analysis Batch: 220-27138
Prep Batch: 220-27105

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.64 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.049	U	0.0040	0.049

fm 6/17/09 JW 6/25/09

fm 5/30/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-2
Sdg Number: 220-8994

Client Sample ID: **SB-71 (12.5-14.5)**

Lab Sample ID:	220-8994-1	Date Sampled:	05/04/2009 0845
Client Matrix:	Solid	Date Received:	05/04/2009 1610

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27638		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27622		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27611		Initial Weight/Volume:	100 mL
Date Analyzed:	06/02/2009 1730			Final Weight/Volume:	500 mL
Date Prepared:	06/02/2009 1141				
Date Leached:	06/01/2009 1510				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Chromium		~~2.4~~ 5.0U	~~J~~	0.48	5.0
Cobalt		2.5	U	0.63	2.5
Lead		2.5	U	0.50	2.5
Vanadium		~~0.80~~ 2.5U	~~J~~	0.56	2.5

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: **SB-71 (12.5-14.5)**

Lab Sample ID: 220-8994-1
Client Matrix: Solid
% Moisture: 5.3
Date Sampled: 05/04/2009 0845
Date Received: 05/04/2009 1610

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/06/2009 1845
Date Prepared: 05/05/2009 1450

Analysis Batch: 220-26930
Prep Batch: 220-26872

Instrument ID: HP 6890 dual ECD
Lab File ID: D9042949.D
Initial Weight/Volume: 15.18 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	18	U	2.0	18
PCB-1221	18	U	2.0	18
PCB-1232	18	U	2.0	18
PCB-1242	18	U	2.0	18
PCB-1248	18	U	2.0	18
PCB-1254	18	U	4.5	18
PCB-1260	18	U	4.5	18
PCB-1262	18	U	4.5	18
PCB-1268	18	U	4.5	18

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	85	24 - 150
Tetrachloro-m-xylene	93	24 - 150

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: SB-171 (12.5-14.5)

Lab Sample ID: 220-8994-3
Client Matrix: Solid

% Moisture: 5.4

Date Sampled: 05/04/2009 1000
Date Received: 05/04/2009 1610

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/13/2009 2326
Date Prepared: 05/05/2009 1104

Analysis Batch: 220-27150
Prep Batch: 220-26859

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: D0539.D
Initial Weight/Volume: 5.05 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	21	U *	2.3	21
Acrylonitrile	5.2	U	1.5	5.2
Benzene	5.2	U	0.60	5.2
Bromobenzene	5.2	U	0.55	5.2
n-Butylbenzene	5.2	U	1.2	5.2
sec-Butylbenzene	5.2	U	0.55	5.2
tert-Butylbenzene	5.2	U	0.30	5.2
Bromodichloromethane	5.2	U	0.31	5.2
Bromoform	5.2	U	0.64	5.2
Bromomethane	5.2	U	2.2	5.2
Methyl Ethyl Ketone	10	U *	1.7	10
Chlorobenzene	5.2	U	0.62	5.2
Carbon disulfide	5.2	U	0.43	5.2
Carbon tetrachloride	5.2	U	0.99	5.2
Chloroethane	5.2	U	1.0	5.2
Chloroform	5.2	U	0.36	5.2
Chloromethane	5.2	U *	0.82	5.2
2-Chlorotoluene	5.2	U	0.67	5.2
4-Chlorotoluene	5.2	U	0.66	5.2
Dibromochloromethane	5.2	U	0.37	5.2
1,2-Dibromo-3-Chloropropane	10	U	4.7	10
1,2-Dibromoethane	5.2	U	0.80	5.2
Dibromomethane	5.2	U	0.67	5.2
1,2-Dichlorobenzene	5.2	U	0.25	5.2
1,3-Dichlorobenzene	5.2	U	0.22	5.2
1,4-Dichlorobenzene	5.2	U	0.70	5.2
trans-1,4-Dichloro-2-butene	10	U *	1.2	10
Dichlorodifluoromethane	5.2	U *	0.37	5.2
1,1-Dichloroethane	5.2	U	0.31	5.2
1,2-Dichloroethane	5.2	U	0.61	5.2
1,1-Dichloroethene	5.2	U	0.61	5.2
cis-1,2-Dichloroethene	5.2	U	0.39	5.2
trans-1,2-Dichloroethene	5.2	U	0.41	5.2
1,2-Dichloropropane	5.2	U	0.70	5.2
1,3-Dichloropropane	5.2	U	0.71	5.2
2,2-Dichloropropane	5.2	U	0.72	5.2
1,1-Dichloropropene	26	U	0.60	26
cis-1,3-Dichloropropene	5.2	U	0.59	5.2
trans-1,3-Dichloropropene	5.2	U	0.28	5.2
Ethylbenzene	5.2	U	0.73	5.2
Hexachlorobutadiene	5.2	U	0.65	5.2
2-Hexanone	10	U	1.3	10
Isopropylbenzene	5.2	U	0.20	5.2
4-Isopropyltoluene	5.2	U	0.55	5.2

JAM 5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: SB-171 (12.5-14.5)

Lab Sample ID: 220-8994-3
Client Matrix: Solid
% Moisture: 5.4
Date Sampled: 05/04/2009 1000
Date Received: 05/04/2009 1610

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/13/2009 2326
Date Prepared: 05/05/2009 1104

Analysis Batch: 220-27150
Prep Batch: 220-26859

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0539.D
Initial Weight/Volume: 5.05 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	21	U	1.1	21
methyl isobutyl ketone	5.2	U	0.58	5.2
Methyl tert-butyl ether	5.2	U	0.22	5.2
Naphthalene	5.2	U	0.30	5.2
N-Propylbenzene	5.2	U	0.64	5.2
Styrene	5.2	U	0.16	5.2
1,1,1,2-Tetrachloroethane	5.2	U	0.54	5.2
1,1,2,2-Tetrachloroethane	5.2	U	0.54	5.2
Toluene	5.2	U	0.077	5.2
Tetrachloroethene	5.2	U	0.85	5.2
Tetrahydrofuran	21	U	6.4	21
1,2,3-Trichlorobenzene	5.2	U	0.65	5.2
1,2,4-Trichlorobenzene	5.2	U	0.79	5.2
1,1,1-Trichloroethane	5.2	U	0.55	5.2
1,1,2-Trichloroethane	5.2	U	0.39	5.2
Trichloroethene	5.2	U	0.85	5.2
Trichlorofluoromethane	5.2	U	0.16	5.2
1,2,3-Trichloropropane	5.2	U	0.96	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U	0.63	5.2
1,2,4-Trimethylbenzene	5.2	U	0.80	5.2
1,3,5-Trimethylbenzene	5.2	U	0.52	5.2
Vinyl chloride	5.2	U	0.24	5.2
m&p-Xylene	5.2	U	0.37	5.2
o-Xylene	5.2	U	0.20	5.2

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	73	59 - 132
4-Bromofluorobenzene	99	34 - 124
Dibromofluoromethane	73	59 - 123
Toluene-d8 (Surr)	82	50 - 118

JAM 5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: SB-171 (12.5-14.5)

Lab Sample ID: 220-8994-3
Client Matrix: Solid
% Moisture: 5.4

Date Sampled: 05/04/2009 1000
Date Received: 05/04/2009 1610

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/11/2009 1233
Date Prepared: 05/05/2009 1447

Analysis Batch: 220-27034
Prep Batch: 220-26855

Instrument ID: HP 6890/5975
Lab File ID: A5034.D
Initial Weight/Volume: 15.43 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acenaphthene	280	U	16	280
Acenaphthylene	280	U	14	280
Aniline	280	U	37	280
Anthracene	280	U	11	280
Benzo[a]anthracene	280	U	9.9	280
Benzo[b]fluoranthene	280	U	7.4	280
Benzo[g,h,i]perylene	280	U	18	280
Benzo[k]fluoranthene	280	U	25	280
Benzo[a]pyrene	280	U	7.5	280
Bis(2-chloroethyl)ether	280	U	14	280
Bis(2-chloroethoxy)methane	280	U	13	280
2,2'-oxybis[1-chloropropane]	280	U	14	280
Bis(2-ethylhexyl) phthalate	280	U	27	280
4-Bromophenyl phenyl ether	280	U	18	280
Benzyl alcohol	280	U	26	280
Butyl benzyl phthalate	280	U	16	280
Carbazole	280	U	15	280
4-Chloroaniline	280	U	45	280
4-Chloro-3-methylphenol	280	U	11	280
2-Chloronaphthalene	280	U	12	280
2-Chlorophenol	280	U	16	280
4-Chlorophenyl phenyl ether	280	U	20	280
Chrysene	280	U	20	280
Dibenzofuran	280	U	20	280
Dibenz(a,h)anthracene	280	U	22	280
3,3'-Dichlorobenzidine	690	U	57	690
2,4-Dichlorophenol	280	U	15	280
Diethyl phthalate	280	U	28	280
2,4-Dimethylphenol	280	U	13	280
Dimethyl phthalate	280	U	16	280
Benzoic acid	1700	U	390	1700
Di-n-butyl phthalate	280	U	40	280
4,6-Dinitro-2-methylphenol	1700	U	120	1700
2,4-Dinitrophenol	1700	UJ	83	1700
2,4-Dinitrotoluene	280	U	22	280
2,6-Dinitrotoluene	280	U	8.1	280
Di-n-octyl phthalate	280	U	16	280
Fluoranthene	280	U	14	280
Fluorene	280	U	17	280
Hexachlorobenzene	280	U	19	280
Hexachlorobutadiene	280	U	21	280
Hexachlorocyclopentadiene	690	U	130	690
Hexachloroethane	280	U	16	280
Indeno[1,2,3-cd]pyrene	280	U	18	280

5/18/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: SB-171 (12.5-14.5)

Lab Sample ID: 220-8994-3
Client Matrix: Solid
% Moisture: 5.4
Date Sampled: 05/04/2009 1000
Date Received: 05/04/2009 1610

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/11/2009 1233
Date Prepared: 05/05/2009 1447

Analysis Batch: 220-27034
Prep Batch: 220-26855

Instrument ID: HP 6890/5975
Lab File ID: A5034.D
Initial Weight/Volume: 15.43 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Isophorone	280	U	15	280
2-Methylnaphthalene	280	U	7.9	280
2-Methylphenol	280	U	17	280
4-Methylphenol	280	U	18	280
Naphthalene	280	U	14	280
2-Nitroaniline	1700	U	17	1700
3-Nitroaniline	1700	U	8.8	1700
4-Nitroaniline	280	U	21	280
Nitrobenzene	280	U	18	280
2-Nitrophenol	280	U	17	280
4-Nitrophenol	1700	U	21	1700
N-Nitrosodiphenylamine	280	U	16	280
N-Nitrosodi-n-propylamine	280	U	19	280
Pentachlorophenol	1700	U	170	1700
Pentachloronitrobenzene	340	U	61	340
Phenanthrene	280	U	14	280
Phenol	280	U	18	280
Pyrene	280	U	13	280
Pyridine	1300	U	300	1300
1,2,4,5-Tetrachlorobenzene	340	U	44	340
1,2,4-Trichlorobenzene	280	U	18	280
2,4,5-Trichlorophenol	1700	U	14	1700
2,4,6-Trichlorophenol	280	U	7.6	280

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	65	37 - 120
2-Fluorobiphenyl	70	41 - 120
2-Fluorophenol	69	34 - 120
Nitrobenzene-d5	67	38 - 120
Phenol-d5	66	36 - 120
Terphenyl-d14	73	32 - 125

Jan 5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-2
Sdg Number: 220-8994

Client Sample ID: **SB-171 (12.5-14.5)**

Lab Sample ID:	220-8994-3	Date Sampled:	05/04/2009 1000
Client Matrix:	Solid	Date Received:	05/04/2009 1610

6020 Metals (ICP/MS)-SPLP East

Method:	6020	Analysis Batch: 220-27638		Instrument ID:	Agilent ICPMS
Preparation:	3010A	Prep Batch: 220-27622		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-27611		Initial Weight/Volume:	100 mL
Date Analyzed:	06/02/2009 1744			Final Weight/Volume:	500 mL
Date Prepared:	06/02/2009 1141				
Date Leached:	06/01/2009 1510				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Chromium		~~2.4~~ 5.0U	~~J~~	0.48	5.0
Cobalt		2.5	U	0.63	2.5
Lead		2.5	U	0.50	2.5
Vanadium		~~0.69~~ 2.5U	~~J~~	0.56	2.5

VW 6/2/09 Jan 6/10/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: **SB-171 (12.5-14.5)**

Lab Sample ID:	220-8994-3			Date Sampled:	05/04/2009 1000
Client Matrix:	Solid	% Moisture:	5.4	Date Received:	05/04/2009 1610

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-27207		Instrument ID:	Perkin Elmer ICP
Preparation:	3050B	Prep Batch: 220-27072		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	2.09 g
Date Analyzed:	05/15/2009 1348			Final Weight/Volume:	250 mL
Date Prepared:	05/12/2009 1416				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.2	U	1.3	4.2
Arsenic		~~1.8~~ 5.3U ✓	~~J~~	1.7	5.3
Barium		51.3 J.		0.063	1.3
Beryllium		~~0.30~~ 1.3U ✓	~~J~~	0.063	1.3
Cadmium		1.3	U	0.25	1.3
Chromium		10.3 J.		0.13	1.3
Copper		20.2 J.		0.48	1.5
Lead		5.4 U.		0.78	3.8
Cobalt		4.1		0.13	1.3
Nickel		9.1		0.25	1.3
Selenium		9.5	U	3.2	9.5
Silver		1.3	U	0.063	1.3
Thallium		3.8	U	0.89	3.8
Vanadium		12.1		0.25	1.3
Zinc		24.8 J.		1.3	6.3
Tin		3.8	U	1.0	3.8

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-27138		Instrument ID:	Perkin Elmer FIMS
Preparation:	7471A	Prep Batch: 220-27105		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Date Analyzed:	05/13/2009 1642			Final Weight/Volume:	50 mL
Date Prepared:	05/13/2009 1240				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.051	U	0.0041	0.051

JAM 6/17/09
JW 6/25/09

JAM 5/20/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

General Chemistry

Client Sample ID: **SB-171 (12.5-14.5)**

Lab Sample ID: 220-8994-3
Client Matrix: Solid
% Moisture: 5.4
Date Sampled: 05/04/2009 1000
Date Received: 05/04/2009 1610

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	530	U	ug/Kg	53	530	1.0	9012B
	Anly Batch: 220-27135	Date Analyzed		05/13/2009 1556			DryWt Corrected: Y
	Prep Batch: 220-27123	Date Prepared:		05/13/2009 1110			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.41		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26881	Date Analyzed		05/05/2009 1659			
Percent Solids	*94.6*		%	*0.100*	*0.100*	*1.0*	*Moisture*
	Anly Batch: 220-26881	Date Analyzed		05/05/2009 1659			

Dam 5/30/09
6/4/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: **SB-171 (12.5-14.5)**

Lab Sample ID:	220-8994-3			Date Sampled:	05/04/2009 1000
Client Matrix:	Solid	% Moisture:	5.4	Date Received:	05/04/2009 1610

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-26930		Instrument ID:	HP 6890 dual ECD
Preparation:	3541	Prep Batch: 220-26872		Lab File ID:	D9042951.D
Dilution:	1.0			Initial Weight/Volume:	15.21 g
Date Analyzed:	05/06/2009 1923			Final Weight/Volume:	5 mL
Date Prepared:	05/05/2009 1450			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	18	U	2.0	18
PCB-1221	18	U	2.0	18
PCB-1232	18	U	2.0	18
PCB-1242	18	U	2.0	18
PCB-1248	18	U	2.0	18
PCB-1254	18	U	4.5	18
PCB-1260	18	U	4.5	18
PCB-1262	18	U	4.5	18
PCB-1268	18	U	4.5	18

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	92	24 - 150
Tetrachloro-m-xylene	103	24 - 150

Jam 5/28/09

6/2/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: SB-72 (12.5-14.5)

Lab Sample ID: 220-8994-2
Client Matrix: Solid
% Moisture: 5.3
Date Sampled: 05/04/2009 0920
Date Received: 05/04/2009 1610

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/13/2009 2301
Date Prepared: 05/05/2009 1103

Analysis Batch: 220-27150
Prep Batch: 220-26859

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0538.D
Initial Weight/Volume: 5.37 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	20	U *	2.2	20
Acrylonitrile	4.9	U	1.4	4.9
Benzene	4.9	U	0.56	4.9
Bromobenzene	4.9	U	0.52	4.9
n-Butylbenzene	4.9	U	1.1	4.9
sec-Butylbenzene	4.9	U	0.52	4.9
tert-Butylbenzene	4.9	U	0.28	4.9
Bromodichloromethane	4.9	U	0.29	4.9
Bromoform	4.9	U	0.60	4.9
Bromomethane	4.9	U	2.0	4.9
Methyl Ethyl Ketone	9.8	U *	1.6	9.8
Chlorobenzene	4.9	U	0.58	4.9
Carbon disulfide	4.9	U	0.40	4.9
Carbon tetrachloride	4.9	U	0.93	4.9
Chloroethane	4.9	U	0.96	4.9
Chloroform	4.9	U	0.33	4.9
Chloromethane	4.9	U *	0.77	4.9
2-Chlorotoluene	4.9	U	0.63	4.9
4-Chlorotoluene	4.9	U	0.62	4.9
Dibromochloromethane	4.9	U	0.34	4.9
1,2-Dibromo-3-Chloropropane	9.8	U	4.5	9.8
1,2-Dibromoethane	4.9	U	0.75	4.9
Dibromomethane	4.9	U	0.63	4.9
1,2-Dichlorobenzene	4.9	U	0.24	4.9
1,3-Dichlorobenzene	4.9	U	0.21	4.9
1,4-Dichlorobenzene	4.9	U	0.66	4.9
trans-1,4-Dichloro-2-butene	9.8	U *	1.1	9.8
Dichlorodifluoromethane	4.9	U *	0.34	4.9
1,1-Dichloroethane	4.9	U	0.29	4.9
1,2-Dichloroethane	4.9	U	0.57	4.9
1,1-Dichloroethene	4.9	U	0.57	4.9
cis-1,2-Dichloroethene	4.9	U	0.36	4.9
trans-1,2-Dichloroethene	4.9	U	0.38	4.9
1,2-Dichloropropane	4.9	U	0.66	4.9
1,3-Dichloropropane	4.9	U	0.67	4.9
2,2-Dichloropropane	4.9	U	0.68	4.9
1,1-Dichloropropene	25	U	0.56	25
cis-1,3-Dichloropropene	4.9	U	0.55	4.9
trans-1,3-Dichloropropene	4.9	U	0.27	4.9
Ethylbenzene	4.9	U	0.69	4.9
Hexachlorobutadiene	4.9	U	0.61	4.9
2-Hexanone	9.8	U	1.2	9.8
Isopropylbenzene	4.9	U	0.19	4.9
4-Isopropyltoluene	4.9	U	0.52	4.9

JAM 5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: SB-72 (12.5-14.5)

Lab Sample ID: 220-8994-2
Client Matrix: Solid
% Moisture: 5.3

Date Sampled: 05/04/2009 0920
Date Received: 05/04/2009 1610

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/13/2009 2301
Date Prepared: 05/05/2009 1103

Analysis Batch: 220-27150
Prep Batch: 220-26859

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 00538.D
Initial Weight/Volume: 5.37 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	20	U	1.1	20
methyl isobutyl ketone	4.9	U	0.54	4.9
Methyl tert-butyl ether	4.9	U	0.21	4.9
Naphthalene	4.9	U	0.28	4.9
N-Propylbenzene	4.9	U	0.60	4.9
Styrene	4.9	U	0.15	4.9
1,1,1,2-Tetrachloroethane	4.9	U	0.51	4.9
1,1,2,2-Tetrachloroethane	4.9	U	0.51	4.9
Toluene	4.9	U	0.073	4.9
Tetrachloroethene	4.9	U	0.80	4.9
Tetrahydrofuran	20	U	6.1	20
1,2,3-Trichlorobenzene	4.9	U	0.61	4.9
1,2,4-Trichlorobenzene	4.9	U	0.74	4.9
1,1,1-Trichloroethane	4.9	U	0.52	4.9
1,1,2-Trichloroethane	4.9	U	0.36	4.9
Trichloroethene	4.9	U	0.80	4.9
Trichlorofluoromethane	4.9	U	0.15	4.9
1,2,3-Trichloropropane	4.9	U	0.90	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	0.78	4.9
1,2,4-Trimethylbenzene	4.9	U	0.75	4.9
1,3,5-Trimethylbenzene	4.9	U	0.49	4.9
Vinyl chloride	4.9	U	0.23	4.9
m&p-Xylene	4.9	U	0.34	4.9
o-Xylene	4.9	U	0.19	4.9

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	72	59 - 132
4-Bromofluorobenzene	98	34 - 124
Dibromofluoromethane	73	59 - 123
Toluene-d8 (Surr)	83	50 - 118

5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: **SB-72 (12.5-14.5)**

Lab Sample ID: 220-8994-2
Client Matrix: Solid

% Moisture: 5.3

Date Sampled: 05/04/2009 0920
Date Received: 05/04/2009 1610

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/15/2009 1432
Date Prepared: 05/12/2009 1416

Analysis Batch: 220-27207
Prep Batch: 220-27072

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.06 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.2	U	1.3	4.2
Arsenic		5.4	U	1.7	5.4
Barium		39.9 J.		0.064	1.3
Beryllium		~~0.34~~ 1.3U	~~J~~	0.064	1.3
Cadmium		1.3	U	0.26	1.3
Chromium		12.0 J.		0.13	1.3
Copper		16.9 J.		0.49	1.5
Lead		5.7 U.		0.79	3.8
Cobalt		4.6		0.13	1.3
Nickel		8.6		0.26	1.3
Selenium		9.6	U	3.2	9.6
Silver		1.3	U	0.064	1.3
Thallium		3.8	U	0.90	3.8
Vanadium		13.8		0.26	1.3
Zinc		26.2 J.		1.3	6.4
Tin		3.8	U	1.0	3.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/13/2009 1641
Date Prepared: 05/13/2009 1240

Analysis Batch: 220-27138
Prep Batch: 220-27105

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		~~0.040~~ 0.051 U	~~J~~	0.0041	0.051

6/17/09
6/25/09

5/20/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-2
Sdg Number: 220-8994

Client Sample ID: SB-72 (12.5-14.5)

Lab Sample ID: 220-8994-2
Client Matrix: Solid

Date Sampled: 05/04/2009 0920
Date Received: 05/04/2009 1610

6020 Metals (ICP/MS)-SPLP East

Method: 6020
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 06/02/2009 1734
Date Prepared: 06/02/2009 1141
Date Leached: 06/01/2009 1510

Analysis Batch: 220-27638
Prep Batch: 220-27622
Leachate Batch: 220-27611

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 500 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Chromium		~~2.4~~ 5.0U	~~J~~	0.48	5.0
Cobalt		2.5	U	0.63	2.5
Lead		~~0.52~~ 2.5U	~~J~~	0.50	2.5
Vanadium		~~0.66~~ 2.5U	~~J~~	0.56	2.5

WO 6/25/09 6/16/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: **SB-72 (12.5-14.5)**

Lab Sample ID:	220-8994-2			Date Sampled:	05/04/2009 0920
Client Matrix:	Solid	% Moisture:	5.3	Date Received:	05/04/2009 1610

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-26930		Instrument ID:	HP 6890 dual ECD
Preparation:	3541	Prep Batch: 220-26872		Lab File ID:	D9042950.D
Dilution:	1.0			Initial Weight/Volume:	15.10 g
Date Analyzed:	05/06/2009 1904			Final Weight/Volume:	5 mL
Date Prepared:	05/05/2009 1450			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	18	U	2.0	18
PCB-1221	18	U	2.0	18
PCB-1232	18	U	2.0	18
PCB-1242	18	U	2.0	18
PCB-1248	18	U	2.0	18
PCB-1254	18	U	4.5	18
PCB-1260	18	U	4.5	18
PCB-1262	18	U	4.5	18
PCB-1268	18	U	4.5	18

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	80	24 - 150
Tetrachloro-m-xylene	104	24 - 150

Jam 5/28/09

WJ 6/12/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

Client Sample ID: **SB-72 (12.5-14.5)**

Lab Sample ID:	220-8994-2			Date Sampled:	05/04/2009 0920
Client Matrix:	Solid	% Moisture:	5.3	Date Received:	05/04/2009 1610

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27037		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26871		Lab File ID:	DX1021090.D
Dilution:	1.0			Initial Weight/Volume:	15.37 g
Date Analyzed:	05/12/2009 0521			Final Weight/Volume:	1 mL
Date Prepared:	05/05/2009 1449			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	*DryWt Corrected: Y* *Result (ug/Kg)*	*Qualifier*	*RL*	*RL*
CT ETPH	190000		12000	12000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	117	50 - 150

Jm 5/28/09

05/26/09

Client: GEI Consultants, Inc.

Job Number: 220-8994-1
Sdg Number: 220-8994

General Chemistry

Client Sample ID: **SB-71 (12.5-14.5)**

Lab Sample ID: 220-8994-1
Client Matrix: Solid
% Moisture: 5.3
Date Sampled: 05/04/2009 0845
Date Received: 05/04/2009 1610

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	530	U	ug/Kg	53	530	1.0	9012B
	Anly Batch: 220-27135	Date Analyzed		05/13/2009 1552		DryWt Corrected: Y	
	Prep Batch: 220-27123	Date Prepared:		05/13/2009 1110			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.26		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26881	Date Analyzed		05/05/2009 1659			
Percent Solids	94.7		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26881	Date Analyzed		05/05/2009 1659			

Client Sample ID: **SB-72 (12.5-14.5)**

Lab Sample ID: 220-8994-2
Client Matrix: Solid
% Moisture: 5.3
Date Sampled: 05/04/2009 0920
Date Received: 05/04/2009 1610

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	530	U	ug/Kg	53	530	1.0	9012B
	Anly Batch: 220-27135	Date Analyzed		05/13/2009 1555		DryWt Corrected: Y	
	Prep Batch: 220-27123	Date Prepared:		05/13/2009 1110			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.25		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26881	Date Analyzed		05/05/2009 1659			
Percent Solids	94.7		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26881	Date Analyzed		05/05/2009 1659			

dm 5/20/09

WO 6/14/09

'J' values changed to U
No other changes
Jan 6/17/09 VW 6/25/09

Analytical Data

Client: GEI Consultants, Inc.

Job Number: 220-9004-1
Sdg Number: 220-9004

Client Sample ID: SB/MW-73 (1.5-2.5)

Lab Sample ID: 220-9004-1
Client Matrix: Solid
% Moisture: 5.0
Date Sampled: 05/05/2009 1000
Date Received: 05/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/14/2009 2005
Date Prepared: 05/06/2009 1657

Analysis Batch: 220-27195
Prep Batch: 220-26920

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0556.D
Initial Weight/Volume: 6.03 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	17	U *	2.0	17
Acrylonitrile	4.4	U	1.2	4.4
Benzene	4.4	U	0.50	4.4
Bromobenzene	4.4	U	0.46	4.4
n-Butylbenzene	4.4	U	0.99	4.4
sec-Butylbenzene	4.4	U	0.46	4.4
tert-Butylbenzene	4.4	U	0.25	4.4
Bromodichloromethane	4.4	U	0.26	4.4
Bromoform	4.4	U	0.53	4.4
Bromomethane	4.4	U	1.8	4.4
Methyl Ethyl Ketone	8.7	U	1.4	8.7
Chlorobenzene	4.4	U	0.51	4.4
Carbon disulfide	4.4	UJ	0.36	4.4
Carbon tetrachloride	4.4	U	0.83	4.4
Chloroethane	4.4	U	0.86	4.4
Chloroform	4.4	U	0.30	4.4
Chloromethane	4.4	U	0.68	4.4
2-Chlorotoluene	4.4	U	0.56	4.4
4-Chlorotoluene	4.4	U	0.55	4.4
Dibromochloromethane	4.4	U	0.31	4.4
1,2-Dibromo-3-Chloropropane	8.7	U	4.0	8.7
1,2-Dibromoethane	4.4	U	0.66	4.4
Dibromomethane	4.4	U	0.56	4.4
1,2-Dichlorobenzene	4.4	U	0.21	4.4
1,3-Dichlorobenzene	4.4	U	0.18	4.4
1,4-Dichlorobenzene	4.4	U	0.58	4.4
trans-1,4-Dichloro-2-butene	8.7	U *	0.98	8.7
Dichlorodifluoromethane	4.4	U	0.31	4.4
1,1-Dichloroethane	4.4	U	0.26	4.4
1,2-Dichloroethane	4.4	U	0.51	4.4
1,1-Dichloroethene	4.4	U	0.51	4.4
cis-1,2-Dichloroethene	4.4	U	0.32	4.4
trans-1,2-Dichloroethene	4.4	U	0.34	4.4
1,2-Dichloropropane	4.4	U	0.58	4.4
1,3-Dichloropropane	4.4	U	0.59	4.4
2,2-Dichloropropane	4.4	U	0.60	4.4
1,1-Dichloropropene	22	U	0.50	22
cis-1,3-Dichloropropene	4.4	U	0.49	4.4
trans-1,3-Dichloropropene	4.4	U	0.24	4.4
Ethylbenzene	4.4	U	0.61	4.4
Hexachlorobutadiene	4.4	U	0.54	4.4
2-Hexanone	8.7	U	1.0	8.7
Isopropylbenzene	4.4	U	0.17	4.4
4-Isopropyltoluene	4.4	U	0.46	4.4

JM 5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-9004-1
Sdg Number: 220-9004

Client Sample ID: **SB/MW-73 (1.5-2.5)**

Lab Sample ID: 220-9004-1
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 05/05/2009 1000
Date Received: 05/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/14/2009 2005
Date Prepared: 05/06/2009 1657

Analysis Batch: 220-27195
Prep Batch: 220-26920

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0556.D
Initial Weight/Volume: 6.03 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~17~~ 4.4U	~~J~~	0.95	17
methyl isobutyl ketone	4.4	U	0.48	4.4
Methyl tert-butyl ether	4.4	U	0.18	4.4
Naphthalene	4.4	U	0.25	4.4
N-Propylbenzene	4.4	U	0.53	4.4
Styrene	4.4	U	0.13	4.4
1,1,1,2-Tetrachloroethane	4.4	U	0.45	4.4
1,1,2,2-Tetrachloroethane	4.4	U	0.45	4.4
Toluene	4.4	U	0.065	4.4
Tetrachloroethene	~~1.9~~ 4.4U	~~J~~	0.71	4.4
Tetrahydrofuran	17	U	5.4	17
1,2,3-Trichlorobenzene	4.4	U	0.54	4.4
1,2,4-Trichlorobenzene	4.4	U	0.65	4.4
1,1,1-Trichloroethane	4.4	U	0.46	4.4
1,1,2-Trichloroethane	4.4	U	0.32	4.4
Trichloroethene	4.4	U	0.71	4.4
Trichlorofluoromethane	4.4	U	0.13	4.4
1,2,3-Trichloropropane	4.4	U	0.80	4.4
1,1,2-Trichloro-1,2,2-trifluoroethane	4.4	U	0.69	4.4
1,2,4-Trimethylbenzene	4.4	U	0.66	4.4
1,3,5-Trimethylbenzene	4.4	U	0.44	4.4
Vinyl chloride	4.4	U	0.20	4.4
m&p-Xylene	4.4	U	0.31	4.4
o-Xylene	4.4	U	0.17	4.4

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	74	59 - 132
4-Bromofluorobenzene	101	34 - 124
Dibromofluoromethane	76	59 - 123
Toluene-d8 (Surr)	84	50 - 118

JVM 5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-9004-1
Sdg Number: 220-9004

Client Sample ID: SB/MW-73 (1.5-2.5)

Lab Sample ID: 220-9004-1
Client Matrix: Solid
% Moisture: 5.0
Date Sampled: 05/05/2009 1000
Date Received: 05/05/2009 1700

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/15/2009 1541
Date Prepared: 05/13/2009 1043

Analysis Batch: 220-27207
Prep Batch: 220-27098

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.09 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.2	U	1.3	4.2
Arsenic		~~2.9~~ 5.3U	~~J~~	1.7	5.3
Barium		32.8 J		0.063	1.3
Beryllium		~~0.25~~ 1.3U	~~J~~	0.063	1.3
Cadmium		~~0.32~~ 1.3U	~~J~~	0.25	1.3
Chromium		132 J		0.13	1.3
Copper		133 J		0.48	1.5
Lead		30.4		0.78	3.8
Cobalt		4.0		0.13	1.3
Nickel		40.4		0.25	1.3
Selenium		9.4	U	3.1	9.4
Silver		~~0.064~~ 1.3U	~~J~~	0.063	1.3
Thallium		3.8	U	0.88	3.8
Vanadium		12.2		0.25	1.3
Zinc		47.0 J		1.3	6.3
Tin		9.4		1.0	3.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 5.0
Date Analyzed: 05/13/2009 1655
Date Prepared: 05/13/2009 1240

Analysis Batch: 220-27138
Prep Batch: 220-27105

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.63 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		1.7		0.020	0.25

6/17/09
6/25/09
6/1/09

Client: GEI Consultants, Inc.

Job Number: 220-9004-1
Sdg Number: 220-9004

Client Sample ID: **SB/MW-73 (1.5-2.5)**

Lab Sample ID:	220-9004-1			Date Sampled:	05/05/2009 1000
Client Matrix:	Solid	% Moisture:	5.0	Date Received:	05/05/2009 1700

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27287		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26887		Lab File ID:	DX1021137.D
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	05/19/2009 1501			Final Weight/Volume:	1 mL
Date Prepared:	05/06/2009 0949			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	190000		13000	13000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	88	50 - 150

JMM 5/28/09

Client: GEI Consultants, Inc.

Job Number: 220-9004-1
Sdg Number: 220-9004

Client Sample ID: **SB/MW-74 (1.5-3.5)**

Lab Sample ID: 220-9004-2
Client Matrix: Solid
% Moisture: 6.6

Date Sampled: 05/05/2009 1530
Date Received: 05/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/14/2009 2030
Date Prepared: 05/06/2009 1659

Analysis Batch: 220-27195
Prep Batch: 220-26920

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0557.D
Initial Weight/Volume: 6.29 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	17	U	1.9	17
Acrylonitrile	4.3	U	1.2	4.3
Benzene	4.3	U	0.49	4.3
Bromobenzene	4.3	U	0.45	4.3
n-Butylbenzene	4.3	U	0.96	4.3
sec-Butylbenzene	4.3	U	0.45	4.3
tert-Butylbenzene	4.3	U	0.25	4.3
Bromodichloromethane	4.3	U	0.26	4.3
Bromoform	4.3	U	0.52	4.3
Bromomethane	4.3	U	1.8	4.3
Methyl Ethyl Ketone	8.5	U	1.4	8.5
Chlorobenzene	4.3	U	0.50	4.3
Carbon disulfide	4.3	UJ	0.35	4.3
Carbon tetrachloride	4.3	U	0.81	4.3
Chloroethane	4.3	U	0.83	4.3
Chloroform	4.3	U	0.29	4.3
Chloromethane	4.3	U	0.66	4.3
2-Chlorotoluene	4.3	U	0.54	4.3
4-Chlorotoluene	4.3	U	0.54	4.3
Dibromochloromethane	4.3	U	0.30	4.3
1,2-Dibromo-3-Chloropropane	8.5	U	3.9	8.5
1,2-Dibromoethane	4.3	U	0.65	4.3
Dibromomethane	4.3	U	0.54	4.3
1,2-Dichlorobenzene	4.3	U	0.20	4.3
1,3-Dichlorobenzene	4.3	U	0.18	4.3
1,4-Dichlorobenzene	4.3	U	0.57	4.3
trans-1,4-Dichloro-2-butene	8.5	U	0.95	8.5
Dichlorodifluoromethane	4.3	U	0.30	4.3
1,1-Dichloroethane	4.3	U	0.26	4.3
1,2-Dichloroethane	4.3	U	0.49	4.3
1,1-Dichloroethene	4.3	U	0.49	4.3
cis-1,2-Dichloroethene	~~2.4~~ 4.3U	~~J~~	0.31	4.3
trans-1,2-Dichloroethene	4.3	U	0.33	4.3
1,2-Dichloropropane	4.3	U	0.57	4.3
1,3-Dichloropropane	4.3	U	0.58	4.3
2,2-Dichloropropane	4.3	U	0.59	4.3
1,1-Dichloropropene	21	U	0.49	21
cis-1,3-Dichloropropene	4.3	U	0.48	4.3
trans-1,3-Dichloropropene	4.3	U	0.23	4.3
Ethylbenzene	4.3	U	0.60	4.3
Hexachlorobutadiene	4.3	U	0.53	4.3
2-Hexanone	8.5	U	1.0	8.5
Isopropylbenzene	4.3	U	0.16	4.3
4-Isopropyltoluene	4.3	U	0.45	4.3

Client: GEI Consultants, Inc.

Job Number: 220-9004-1
Sdg Number: 220-9004

Client Sample ID: SB/MW-74 (1.5-3.5)

Lab Sample ID: 220-9004-2
Client Matrix: Solid
% Moisture: 6.6

Date Sampled: 05/05/2009 1530
Date Received: 05/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/14/2009 2030
Date Prepared: 05/06/2009 1659

Analysis Batch: 220-27195
Prep Batch: 220-26920

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0557.D
Initial Weight/Volume: 6.29 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	17	U	0.93	17
methyl isobutyl ketone	4.3	U	0.47	4.3
Methyl tert-butyl ether	4.3	U	0.18	4.3
Naphthalene	4.3	U	0.25	4.3
N-Propylbenzene	4.3	U	0.52	4.3
Styrene	4.3	U	0.13	4.3
1,1,1,2-Tetrachloroethane	4.3	U	0.44	4.3
1,1,2,2-Tetrachloroethane	4.3	U	0.44	4.3
Toluene	4.3	U	0.063	4.3
Tetrachloroethene	14 J.		0.69	4.3
Tetrahydrofuran	17	U	5.2	17
1,2,3-Trichlorobenzene	4.3	U	0.53	4.3
1,2,4-Trichlorobenzene	4.3	U	0.64	4.3
1,1,1-Trichloroethane	4.3	U	0.45	4.3
1,1,2-Trichloroethane	4.3	U	0.31	4.3
Trichloroethene	4.3	U	0.69	4.3
Trichlorofluoromethane	4.3	U	0.13	4.3
1,2,3-Trichloropropane	4.3	U	0.78	4.3
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	U	0.67	4.3
1,2,4-Trimethylbenzene	4.3	U	0.65	4.3
1,3,5-Trimethylbenzene	4.3	U	0.43	4.3
Vinyl chloride	4.3	U	0.20	4.3
m&p-Xylene	4.3	U	0.30	4.3
o-Xylene	4.3	U	0.16	4.3

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	70	59 - 132
4-Bromofluorobenzene	96	34 - 124
Dibromofluoromethane	70	59 - 123
Toluene-d8 (Surr)	79	50 - 118

Client: GEI Consultants, Inc.

Job Number: 220-9004-1
Sdg Number: 220-9004

Client Sample ID: **SB/MW-74 (1.5-3.5)**

Lab Sample ID:	220-9004-2			Date Sampled:	05/05/2009 1530
Client Matrix:	Solid	% Moisture:	6.6	Date Received:	05/05/2009 1700

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-27247		Instrument ID:	Perkin Elmer ICP
Preparation:	3050B	Prep Batch: 220-27098		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	2.01 g
Date Analyzed:	05/18/2009 1311			Final Weight/Volume:	250 mL
Date Prepared:	05/13/2009 1043				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		~~2.5~~ 4.4U	~~J~~	1.4	4.4
Arsenic		~~2.8~~ 5.6U	~~J~~	1.8	5.6
Barium		53.4 J		0.067	1.3
Beryllium		~~0.33~~ 1.3U	~~J~~	0.067	1.3
Cadmium		~~0.47~~ 1.3U	~~J~~	0.27	1.3
Chromium		149 J		0.13	1.3
Copper		178 J		0.51	1.6
Lead		152 J		0.83	4.0
Cobalt		5.0		0.13	1.3
Nickel		44.3		0.27	1.3
Selenium		10	U	3.3	10
Silver		~~0.16~~ 1.3U	~~J~~	0.067	1.3
Thallium		~~1.9~~ 4.0U	~~J~~	0.93	4.0
Vanadium		14.7		0.27	1.3
Zinc		67.7 J		1.3	6.7
Tin		15.7 J		1.1	4.0

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-27239		Instrument ID:	Perkin Elmer FIMS
Preparation:	7471A	Prep Batch: 220-27233		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Date Analyzed:	05/18/2009 1459			Final Weight/Volume:	50 mL
Date Prepared:	05/18/2009 1201				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.12		0.0043	0.054

Jam 6/17/09
6/25/09
Jam 6/11/09

Client: GEI Consultants, Inc.

Job Number: 220-9004-1
Sdg Number: 220-9004

Client Sample ID: **SB/MW-74 (1.5-3.5)**

Lab Sample ID:	220-9004-2			Date Sampled:	05/05/2009 1530
Client Matrix:	Solid	% Moisture:	6.6	Date Received:	05/05/2009 1700

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27287		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26887		Lab File ID:	DX1021140.D
Dilution:	10			Initial Weight/Volume:	15.05 g
Date Analyzed:	05/19/2009 1559			Final Weight/Volume:	1 mL
Date Prepared:	05/06/2009 0949			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	1600000	J	130000	130000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	160	*	50 - 150

Jm 5/28/09
6/4/09

Client: GEI Consultants, Inc.

Job Number: 220-9004-1
Sdg Number: 220-9004

General Chemistry

Client Sample ID: SB/MW-73 (1.5-2.5)

Lab Sample ID: 220-9004-1
Client Matrix: Solid
% Moisture: 5.0
Date Sampled: 05/05/2009 1000
Date Received: 05/05/2009 1700

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	~~250~~ 530	U	ug/Kg	53	530	1.0	9012B
	Anly Batch: 220-27218	Date Analyzed		05/16/2009 1241			DryWt Corrected: Y
	Prep Batch: 220-27215	Date Prepared:		05/15/2009 1445			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.99		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26916	Date Analyzed		05/06/2009 1623			
Percent Solids	95.0		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26916	Date Analyzed		05/06/2009 1623			

Client Sample ID: SB/MW-74 (1.5-3.5)

Lab Sample ID: 220-9004-2
Client Matrix: Solid
% Moisture: 6.6
Date Sampled: 05/05/2009 1530
Date Received: 05/05/2009 1700

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	~~80~~ 540	U	ug/Kg	54	540	1.0	9012B
	Anly Batch: 220-27218	Date Analyzed		05/16/2009 1244			DryWt Corrected: Y
	Prep Batch: 220-27215	Date Prepared:		05/15/2009 1445			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.58		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26916	Date Analyzed		05/06/2009 1623			
Percent Solids	93.4		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26916	Date Analyzed		05/06/2009 1623			

Client: GEI Consultants, Inc.

Job Number: 220-9004-1
Sdg Number: 220-9004

Client Sample ID: **SB/MW-174 (1.5-3.5)**

Lab Sample ID: 220-9004-3
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 05/05/2009 1600
Date Received: 05/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 05/14/2009 2055
Date Prepared: 05/06/2009 1703

Analysis Batch: 220-27195
Prep Batch: 220-26920

Instrument ID: HP 5890/5971A GC/MS
Lab File ID: 00558.D
Initial Weight/Volume: 5.31 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Acetone	21	U	2.3	21
Acrylonitrile	5.2	U	1.5	5.2
Benzene	5.2	U	0.59	5.2
Bromobenzene	5.2	U	0.55	5.2
n-Butylbenzene	5.2	U	1.2	5.2
sec-Butylbenzene	5.2	U	0.55	5.2
tert-Butylbenzene	5.2	U	0.30	5.2
Bromodichloromethane	5.2	U	0.31	5.2
Bromoform	5.2	U	0.64	5.2
Bromomethane	5.2	U	2.2	5.2
Methyl Ethyl Ketone	10	U	1.7	10
Chlorobenzene	5.2	U	0.61	5.2
Carbon disulfide	5.2	U	0.43	5.2
Carbon tetrachloride	5.2	U	0.99	5.2
Chloroethane	5.2	U	1.0	5.2
Chloroform	5.2	U	0.35	5.2
Chloromethane	5.2	U	0.81	5.2
2-Chlorotoluene	5.2	U	0.67	5.2
4-Chlorotoluene	5.2	U	0.66	5.2
Dibromochloromethane	5.2	U	0.36	5.2
1,2-Dibromo-3-Chloropropane	10	U	4.7	10
1,2-Dibromoethane	5.2	U	0.79	5.2
Dibromomethane	5.2	U	0.67	5.2
1,2-Dichlorobenzene	5.2	U	0.25	5.2
1,3-Dichlorobenzene	5.2	U	0.22	5.2
1,4-Dichlorobenzene	5.2	U	0.70	5.2
trans-1,4-Dichloro-2-butene	10	U	1.2	10
Dichlorodifluoromethane	5.2	U	0.36	5.2
1,1-Dichloroethane	5.2	U	0.31	5.2
1,2-Dichloroethane	5.2	U	0.60	5.2
1,1-Dichloroethene	5.2	U	0.60	5.2
cis-1,2-Dichloroethene	5.2	U	0.39	5.2
trans-1,2-Dichloroethene	5.2	U	0.41	5.2
1,2-Dichloropropane	5.2	U	0.70	5.2
1,3-Dichloropropane	5.2	U	0.71	5.2
2,2-Dichloropropane	5.2	U	0.72	5.2
1,1-Dichloropropene	26	U	0.59	26
cis-1,3-Dichloropropene	5.2	U	0.58	5.2
trans-1,3-Dichloropropene	5.2	U	0.28	5.2
Ethylbenzene	5.2	U	0.73	5.2
Hexachlorobutadiene	5.2	U	0.65	5.2
2-Hexanone	10	U	1.2	10
Isopropylbenzene	5.2	U	0.20	5.2
4-Isopropyltoluene	5.2	U	0.55	5.2

Client: GEI Consultants, Inc.

Job Number: 220-9004-1
Sdg Number: 220-9004

Client Sample ID: **SB/MW-174 (1.5-3.5)**

Lab Sample ID:	220-9004-3			Date Sampled:	05/05/2009 1600
Client Matrix:	Solid	% Moisture:	9.6	Date Received:	05/05/2009 1700

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-27195		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5035	Prep Batch: 220-26920		Lab File ID:	00558.D
Dilution:	1.0			Initial Weight/Volume:	5.31 g
Date Analyzed:	05/14/2009 2055			Final Weight/Volume:	5 mL
Date Prepared:	05/06/2009 1703				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Methylene Chloride	~~1.4~~ 2.1	~~J~~	1.1	21
methyl isobutyl ketone	5.2	U	0.57	5.2
Methyl tert-butyl ether	5.2	U	0.22	5.2
Naphthalene	5.2	U	0.30	5.2
N-Propylbenzene	5.2	U	0.64	5.2
Styrene	5.2	U	0.16	5.2
1,1,1,2-Tetrachloroethane	5.2	U	0.54	5.2
1,1,2,2-Tetrachloroethane	5.2	U	0.54	5.2
Toluene	5.2	U	0.077	5.2
Tetrachloroethene	24 J		0.84	5.2
Tetrahydrofuran	21	U	6.4	21
1,2,3-Trichlorobenzene	5.2	U	0.65	5.2
1,2,4-Trichlorobenzene	5.2	U	0.78	5.2
1,1,1-Trichloroethane	5.2	U	0.55	5.2
1,1,2-Trichloroethane	5.2	U	0.39	5.2
Trichloroethene	5.2	U	0.84	5.2
Trichlorofluoromethane	5.2	U	0.16	5.2
1,2,3-Trichloropropane	5.2	U	0.96	5.2
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U	0.82	5.2
1,2,4-Trimethylbenzene	5.2	U	0.79	5.2
1,3,5-Trimethylbenzene	5.2	U	0.52	5.2
Vinyl chloride	5.2	U	0.24	5.2
m&p-Xylene	5.2	U	0.36	5.2
o-Xylene	5.2	U	0.20	5.2

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	71	59 - 132
4-Bromofluorobenzene	101	34 - 124
Dibromofluoromethane	70	59 - 123
Toluene-d8 (Surr)	82	50 - 118

Client: GEI Consultants, Inc.

Job Number: 220-9004-1
Sdg Number: 220-9004

Client Sample ID: SB/MW-174 (1.5-3.5)

Lab Sample ID: 220-9004-3
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 05/05/2009 1600
Date Received: 05/05/2009 1700

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 05/18/2009 1314
Date Prepared: 05/13/2009 1043

Analysis Batch: 220-27247
Prep Batch: 220-27098

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.08 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		4.4	U	1.4	4.4
Arsenic		~~3.1~~ 5.6U	~~J~~	1.8	5.6
Barium		47.4 J		0.066	1.3
Beryllium		~~0.55~~ 1.3U	~~J~~	0.066	1.3
Cadmium		~~0.87~~ 1.3U	~~J~~	0.27	1.3
Chromium		177 J		0.13	1.3
Copper		374 J		0.51	1.6
Lead		42.2 J		0.82	4.0
Cobalt		7.3		0.13	1.3
Nickel		59.1		0.27	1.3
Selenium		10	U	3.3	10
Silver		~~0.29~~ 1.3U	~~J~~	0.066	1.3
Thallium		4.0	U	0.93	4.0
Vanadium		22.2		0.27	1.3
Zinc		102 J		1.3	6.6
Tin		27.0 J		1.1	4.0

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 05/18/2009 1503
Date Prepared: 05/18/2009 1201

Analysis Batch: 220-27239
Prep Batch: 220-27233

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.63 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.19		0.0042	0.053

JAM 6/11/09
DLW 6/25/09

JAM 6/11/09

Client: GEI Consultants, Inc.

Job Number: 220-9004-1
Sdg Number: 220-9004

Client Sample ID: **SB/MW-174 (1.5-3.5)**

Lab Sample ID:	220-9004-3			Date Sampled:	05/05/2009 1600
Client Matrix:	Solid	% Moisture:	9.6	Date Received:	05/05/2009 1700

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 220-27287		Instrument ID:	HP7890
Preparation:	3541	Prep Batch: 220-26887		Lab File ID:	DX1021140B.D
Dilution:	5.0			Initial Weight/Volume:	15.04 g
Date Analyzed:	05/19/2009 1638			Final Weight/Volume:	1 mL
Date Prepared:	05/06/2009 0949			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL	RL
CT ETPH	850000	J	66000	66000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	134	50 - 150

5/28/09
6/4/09

Client: GEI Consultants, Inc.

Job Number: 220-9004-1
Sdg Number: 220-9004

General Chemistry

Client Sample ID: **SB/MW-174 (1.5-3.5)**

Lab Sample ID: 220-9004-3
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 05/05/2009 1600
Date Received: 05/05/2009 1700

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	~~380.~~ 550	U J-	ug/Kg	55	550	1.0	9012B
	Anly Batch: 220-27218	Date Analyzed		05/16/2009 1245			DryWt Corrected: Y
	Prep Batch: 220-27215	Date Prepared:		05/15/2009 1445			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.60		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26916	Date Analyzed		05/06/2009 1623			
Percent Solids	90.4		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26916	Date Analyzed		05/06/2009 1623			

Jam 6/17/09
JW 6/25/09

Jam 6/11/09