Tighe&Bond

Meriden Brownfields
116 Cook Avenue
Meriden, Connecticut

Phase III Environmental Site Assessment

Prepared For:

City of Meriden, Connecticut

July 2012

Tighe&Bond
www.tighebond.com

22-0817
July 13, 2012

Peggy Brennan
Director-Economic Development
City of Meriden
142 East Main Street
Meriden, CT 06450

Re: **Phase III Environmental Site Assessment**
116 Cook Ave
Meriden, Connecticut

Dear Ms. Brennan:

Please find enclosed the Phase III Environmental Site Assessment (ESA) report for the property located at 116 Cook Avenue, Meriden, Connecticut.

We appreciate the opportunity to provide our services. If you have any questions or comments, please contact me at (860) 704-4761.

Very truly yours,

TIGHE & BOND, INC.

James T. Olsen, LEP
Senior Project Manager, Associate

Section 1 Introduction

Section 2 Objectives

Section 3 Previous Investigations

Section 4 Site Description

4.1 Location 4-1
4.2 Site Operations and History 4-1
4.3 Recognized Environmental Conditions 4-1

Section 5 Field Investigations

5.1 Soil Sampling and Soil Vapor Point Installation 5-1
5.2 Soil Vapor Sampling 5-1
5.3 Groundwater Sampling 5-2

Section 6 Hydrogeology

6.1 Geology 6-1
6.2 Hydrology 6-1

Section 7 Remediation Criteria

7.1 Soil Remediation Criteria 7-1
7.1.1 Direct Exposure Criteria 7-1
7.1.2 Pollutant Mobility Criteria 7-2
7.2 Soil Vapor Criteria 7-2
7.2.2 Soil Vapor Volatilization Criteria 7-3
7.3 Groundwater Remediation Criteria 7-3
7.3.1 Surface Water Protection Criteria 7-3
7.3.3 Groundwater Volatilization Criteria 7-4

Section 8 Results of Investigation

8. 1 Soil Analytical Results 8-1
8.1.1 VOCs 8-1
8.1.2 PAHs 8-1
8.1.3 Metals 8-2
8.1.4 ETPH 8-3
8. 2 Soil Vapor Analytical Results 8-3
8.2.1 VOCs 8-3
8. 3 Groundwater Analytical Results 8-4
8.3 Groundwater Analytical Results 8-4
8.3.1 VOCs 8-4
8.3.2 PAHs 8-4

8.3.3 Metals....8-4

Section 9 Quality Assurance / Quality Control

9.1 Duplicate Samples....9-1
9.1.1 Soil....9-1
9.1.2 Soil Vapor....9-1
9.1.3 Groundwater....9-1
9.2 Blank Samples....9-1
9.3 Laboratory Quality Control....9-2
9.4 Data Usability Assessment....9-2

Section 10 Conceptual Site Model

10.1 Description of Site, Environments, and AOCs....10-4
10.2 Nature and Extent of Contamination....10-4
10.2.1 VOCs....10-5
10.2.2 PAHs....10-5
10.2.3 Metals....10-6
10.2.4 ETPH....10-7
10.2.5 Cyanide....10-7
10.3 Potential Release Mechanisms....10-7
10.4 Migration Pathways....10-7
10.5 Recognized Environmental Concern....10-8

Section 11 Summary and Recommendations

11.1 Summary....11-1
11.2 Recommendations....11-1

Appendices

Appendix A	Figures Figure 1 - Site Location Map Figure 2 - Site Plan Figure 3 - Groundwater Contour Map Figure 4 - Soil Exceedances Map
Appendix B	Tables Table 1 - Well Construction and Groundwater Elevation Summary Table 2 - Summary of Soil Analytical Data Table 3 - Summary of Soil Vapor Data Table 4 - Summary of Groundwater Analytical Data Table 5 - Data Usability Analysis Table 6 - Conceptual Site Model
Appendix C	Soil Boring and Groundwater Monitoring Well Completion Logs
Appendix D	Low Flow Data Sheets
Appendix E	Laboratory Reports

Section 1
Introduction

Tighe & Bond has prepared this Phase III Environmental Site Assessment (ESA) report for the City of Meriden as part of an EPA Brownfields Assessment Grant. The site is located at 116 Cook Avenue in Meriden, Connecticut as shown in Figure 1 (Appendix A). The site is currently vacant. The site was formerly part a silver manufacturing operation (International Silver (INSILO)) that was present at the site starting in the late 1800's. From the 1970s to 1990s, the site was occupied by medical offices and most recently by Meriden Medical Center until the year 2000.

This Phase III ESA was conducted in general accordance with the CT Department of Energy and Environmental Protection (CTDEEP) Site Characterization Guidance Document (SCGD), dated September 2007, revised December 2010. The Phase III ESA Quality Assurance Project Plan (QAPP) was approved by the U.S. Environmental Protection Agency (EPA) in July 2011.

Section 2
Objectives

Tighe & Bond reviewed the Conceptual Re-Use Plan for the site and adjacent Factory H site that was prepared by Vita Nuova. The Plan evaluated four different Redevelopment Alternative Schemes (1A, 1B, 2, and 3) consisting of residential, commercial, and open space uses. In order to further evaluate the schemes, the environmental conditions at the site needed to be investigated so cleanup costs can be derived and redevelopment planning can proceed.

The objective of this Phase III ESA is to further delineate the extent of releases of Constituents of Concern (COCs) to the environment at the Recognized Environmental Conditions (RECs) or Areas of Concern (AOCs) identified in the previous Phase II ESA. The following RECs were investigated as part of this Phase III ESA:

- Further delineation of industrial-impacted fill and accompanying soil and groundwater impacts from ETPH, PAHs, and metals associated with **REC-4** – Urban Fill, **REC-6** – On-Site Soil, and **REC-7** – On-Site Groundwater.
- Further delineation of TCE impacted soil, groundwater, and soil vapor associated with **REC-7** – On-Site Groundwater and **REC-11** – Historical Use of Site
- Further delineation of ETPH, VOCs and PAH impacted soil and groundwater associated with **REC-10** – 10,000 gallon heating oil tank.

Additionally, the Phase III ESA data were evaluated to determine if further investigation and remediation is required, or if institutional controls can be used to mitigate risk.

Section 3
Previous Investigations

A number of environmental investigations as well as cleanup activities have been conducted at the site from the 1987 to 2011 including the following:

- ERL Environmental Investigations, February 1987, April 1989
- ERL Remedial Action, June 1989
- Rizzo Environmental Investigations, October 1999, December 1999, January 2000
- Geoquest Environmental Review, April 2003
- AECOM, Phase I ESA, November 2009
- Tighe & Bond, Phase II ESA, February 2011

From these investigations, it has been determined that the site has been impacted by former industrial activities. Notably, lead was detected in the soil above cleanup criteria during the ERL investigations. This prompted the CTDEEP to require the excavation and removal of lead-impacted materials to cleanup criteria existing at the time. The Meriden Medical Center removed the lead-impact materials in 1989. The impact was concentrated in an ash layer beneath the parking lots in two excavation areas (Areas 1 and 2) from a depth of 2 inches to 2 feet. The cleanup standard that existed at the time was leachable lead at a concentration of 0.5 ppm by EP Toxicity. Former excavation areas are depicted on Figure 2, 3 and 4. This is higher than the current standard of 0.15 ppm by SPLP extraction.

Approximately 1,200 cubic yards (CY) of material characterized as hazardous for lead was removed from Areas 1 and 2 on 116 Cook Avenue. Area 2 was also found to be impacted by gasoline constituents but that was attributed to an off-site, upgradient gasoline station. At the time, active remediation was being performed at the gas station. Approximately 10 CY of petroleum-impacted material was removed from Area 2. The CTDEEP inspected the site after the cleanup and issued a compliance letter indicating that no further action was required in a letter dated June 2, 1989. Generally CTDEEP's policy is that no further remediation is required once the CTDEEP approves the cleanup even if the cleanup standard becomes more stringent. However, if the land use changes or if the site will be redeveloped, as is this case, the CTDEEP policy may no longer apply. The Rizzo investigation evaluated the groundwater for metals and VOCs and soil vapor and indoor air (inside the building at 116 Cook Ave) for VOCs. Results of these investigations did not indicate any constituents above cleanup standards; however, the actual data was not available for review. The investigations were summarized in the Geoquest Environmental Review report. Geoquest did not conduct any investigations and only reviewed the existing data.

The AECOM Phase I ESA identified 14 Recognized Environmental Conditions (RECs) at 116 Cook Avenue. These RECs were investigated during the Phase II ESA conducted by Tighe & Bond. A description, current status, and findings during the Phase II ESA for each REC are provided below.

- **REC-4** – Urban Fill

  Extractable Total Petroleum Hydrocarbons (ETPH), Polycyclic Aromatic Hydrocarbons (PAHs), and metals were detected in the industrial-impacted fill

material that is prevalent throughout the site. ETPH, PAHs, and metals (antimony, arsenic, copper, and lead) were detected above the Residential Direct Exposure Criteria (RES DEC), Industrial/Commercial (I/C) DEC, and/or GB Pollutant Mobility Criteria (GB PMC). The remediation conducted in 1989 used cleanup standards that are less stringent than the current RSRs but it was approved by CTDEEP in 1989.

- **REC-5** Former Medical Office

  Further evaluation of the radiological REC is unnecessary based on a conversation with Jan Nguyen of the Nuclear Regulatory Commission (NRC) Region 1 regarding the status of the NRC license (#06-05686-02) that previously included operations at 116 Cook Avenue. Ms. Nguyen indicated the following:

- The NRC removed the facility located at 116 Cook Avenue from the license and released the site for unrestricted use in a NRC letter dated June 16, 1999.
- A radiological investigation of 116 Cook Avenue was conducted in November 1998 that included a Geiger counter survey and wipe samples and no contamination was found. NRC reviewed and approved the investigation.
- Only diagnostic nuclear medicine was conducted at 116 Cook Avenue which included x-rays and low level nuclear medicine such as Technesium99 which has a half-life of 6 hours and is gone in 60 days and, would have not resulted in residual radiological contamination years later.

- **REC-6** – On-Site Soil

  The on-site soil has been impacted by the fill that has been deposited at the site. ETPH, PAHs, and metals (antimony, arsenic, copper, and lead) were detected above the RES DEC, I/C DEC, and/or GB PMC.

- **REC-7** – On-Site Groundwater

  Metals, VOCs, and SVOCs were detected in the groundwater indicating impacts from the fill material. Vinyl chloride was detected above the RES GWVC and I/C GWVC in the northeastern and eastern areas of the site.

- **REC-8** Off-Site Groundwater

  Barium and nickel were detected in the upgradient well, MW-101, and are likely due to background conditions. At this time, it does not appear that an upgradient source is significantly impacting groundwater quality at the site.

- **REC-10 –** Underground Fuel Oil Tank

  Based on the review of CT DEEP records, the 10,000-gallon heating oil UST was installed in 1977. This UST has exceeded its life expectancy. ETPH was detected in the soil at this AOC above the RES DEC. Additionally, aromatic VOCs and PAHs were detected in the groundwater at MW-104 located downgradient of the UST suggesting a release has occurred. Phenanthrene was detected above the SWPC. It is recommended that the UST be removed in accordance with CTDEEP tank closure procedures.

- **REC-11** – Historic Site Use

  The TCE was detected in the boring associated with REC-10, the 10,000-gallon fuel oil UST. This boring was also in close proximity to Factory H near a side door. It is possible that spent solvents were historically discharged from this side door. The detected concentration of TCE, 49,000 ug/Kg, is significantly elevated, above the GB PMC, and could have resulted from a surface release since it was detected at a depth of 4 to 5 feet.

- **REC-12** – Staining of Concrete in Elevator Mechanical Room and 55-Gallon Drum

  Concrete around the elevator reservoir in Wing C was observed to be stained with hydraulic oil. A strong petroleum odor was also noted. No floor drains were observed in this room. PCBs and ETPH were not detected in the soil beneath the concrete slab suggesting a subsurface release has not occurred. It is recommended that the oil in the 55-gallon drum and elevator reservoirs and piping be removed and properly disposed of.

- **REC-13** - Transformer

  A transformer is present at the southern exterior side of Wing D. No visible evidence of staining was observed. One boring (B-110) was installed in this area and a soil collected for the analysis of PCBs. No evidence of release was found. The transformer is currently unmarked and is therefore assumed to be PCB containing under Federal Regulations (40 CFR 761). It is recommended that the transformer be further inspected to bring it into compliance with Federal Regulations.

- **REC-14** - Generator

  A natural gas generator is present on the southern exterior side of Wind D. The generator may have replaced a diesel generator at some point in the past. No visible evidence of staining was observed. One boring (B-111) was installed in this area and a soil collected for the analysis. Arsenic and lead were detected in the soil above the RES DEC. ETPH was also detected but below cleanup criteria. These COCs are attributed to the industrial-impacted fill material and not a release from the generator. This REC is considered closed.

Section 4
Site Description

4.1 Location

The site consists of 2.8 acres with a vacant 72,473 ft^2 4-story building located at 116 Cook Avenue in Meriden, Connecticut. The building is adjacent to the Factory H building, a former cutlery industrial complex, which is currently in the process of being demolished. The site location is depicted on Figure 1 (Appendix A).

4.2 Site Operations and History

Current Use: The site is vacant. The current aerial photograph and site plan is included as Figure 2.

Previous Uses: The building housed a silverware, cutlery and possible pewter manufacturing facility from the late 1800s as well as a gun manufacturing facility in the early 1900s. During the 1970s, the building was converted into medical offices and was most recently used by the Meriden Medical Center until approximately the year 2000.

4.3 Recognized Environmental Conditions

AECOM conducted a Phase I ESA in November 2009 and identified 14 RECs or AOCs. An REC or AOC is defined as locations or areas at a site where hazardous waste and/or hazardous substances (including petroleum products) have been or may have been used, stored, treated, handled, disposed, spilled, and/or released to the environment. RECs related to hazardous building materials were not investigated in this Phase III ESA. A description of the RECs or AOCs and findings from the Phase II ESA are provided in Section 3.

Section 5
Field Investigations

5.1 Soil Sampling and Soil Vapor Point Installation

On July 21, 2011, Logical Environmental Solutions, of Tolland, Connecticut advanced soil borings under the supervision of Tighe & Bond. Fourteen soil borings (B-115 through B-125, B-128 and B-129) were advanced by direct-push (GeoProbe) drilling equipment. One soil boring, HA-131 was hand augered by Tighe & Bond personnel due to inaccessibility to the courtyard area. Six soil vapor points (SV-1 through SV-6) were also installed. On August 24, 2011, two additional soil borings were hand augered (HA-127 and HA-130) due to dense vegetation that was inaccessible by the GeoProbe. Soil borings and vapor points installed during the Phase III ESA are depicted on Figure 2.

Soils from each boring were field-evaluated during this investigation through a three-step approach:

1) Physical characteristics of soils within each location were observed and documented
2) Soils from the macro-core sampler were field-evaluated using visual and olfactory methods for the presence or absence of contamination
3) Select soil samples were collected by Tighe & Bond for laboratory analysis by TestAmerica of Westfield, Massachusetts (a Connecticut-certified analytical laboratory).

Based upon the above three-step approach, samples were collected from soil borings with a bias towards the most impact.

Following completion of each soil boring, and related soil sample collection activities, the resulting boreholes were backfilled with the drill cuttings. Samples collected for laboratory analysis were transferred directly to the appropriate sample containers. Following collection, the samples were immediately stored in a cooler on ice and immediate delivered from the site to TestAmerica in Westfield, Massachusetts (a Connecticut-certified analytical laboratory) via courier.

Six soil vapor points (SV-1 through SV-6) were installed by Logical Environmental Solutions on July 21, 2011. Exterior soil vapor points, SV-1 through SV-4, were installed to a depth of three feet. Interior soil vapor points SV-5 and SV-6 were installed to a depth of one foot. Sand was filled to six inched above the screen followed by bentonite slurry to approximately three inches below the ground surface.

A summary of monitoring well construction details and water level elevations from the Phase II ESA is provided in Table 1 (Appendix B). Soil boring logs are provided in Appendix C.

5.2 Soil Vapor Sampling

The soil vapor points were sampled by Tighe & Bond between August 25 and 26, 2011. Soil vapor samples were collected utilizing SUMMA-type stainless steel canisters with a volume capacity of 6-liters, flow regulators and vacuum gauges. The canisters, flow

regulators and vacuum gauges were supplied by Tighe & Bond's subcontractor laboratory, TestAmerica of Burlington, Vermont.

Prior to sampling, the flooring around each soil vapor point was wiped clean of grit and dust. Each vapor point was then visually inspected for integrity. A stainless steel enclosure was then placed over the sampling point and the lip of the enclosure was sealed to the floor with clay. The enclosure contained three access points. The two access points along the bottom of the enclosure were used for tracer gas filling and monitoring, while the access point at the top of the enclosure was utilized for accessing the soil vapor point's sample collection tubing. The stainless steel sampling enclosure was then purged/filled with a helium tracer gas in order test the integrity of the soil vapor point's seal through the floor.

Prior to sample collection, each soil vapor point was purged with the tracer gas-filled enclosure still in place by removing approximately 140-200 milliliters of air utilizing a low flow vacuum pump. Upon completion of purging, helium concentrations were measured from the soil vapor point to assess for leaks though the soil vapor point's seal.

A SUMMA-canister was then connected to the soil vapor point to initiate soil vapor sampling. The initial vacuum of each canister and start time were then logged. Helium concentrations within the enclosure were attempted to be maintained at approximately 80-90% helium and were monitored during sample collection. Sampling was terminated when vacuum readings on the canister read approximately -4 to -6 inches of mercury. Total sampling time at each soil vapor sampling point was approximately 30 minutes in length.

The SUMMA canisters were submitted to TestAmerica for analysis of VOCs via EPA Method TO-15 and % helium. Soil vapor point locations are depicted on Figure 2.

5.3 Groundwater Sampling

Two groundwater samples were collected between August 23 and 24, 2011 from monitoring wells MW-200 (located on 85 Cooper Street) and SB/MW-1 (located on the adjacent, downgradient Factory H site).

Low flow purging and sampling procedures were performed in accordance with the USEPA Region 1 Low Stress (low flow) Sampling Procedures dated July 1996, revised January 2011. Purging and sampling were performed using a bladder pump with a disposable bladder and gaskets with dedicated tubing. The pump intake or tubing depth was selected to coincide with the center-of-saturated-screen elevations. A copy of the field data sheets for the groundwater sampling is provided in Appendix D.

The purged volumes were based on the stabilization of field-measured water quality parameters. The field-measured parameters include dissolved oxygen, specific conductance, temperature, pH, turbidity, and oxidation/reduction potential. The field-measured parameters were measured at five-minute intervals along with purging rate and depth-to-water. A groundwater sample was collected upon stabilization of the field parameters as indicated by three consecutive readings within acceptable limits of USEPA Low Flow Procedures. Turbidity was under 2.0 NTU when sampling for metals in the monitoring wells. The groundwater samples were analyzed for VOCs, PAHs, and metals; antimony, arsenic, copper, and lead.

Samples collected for laboratory analysis were transferred directly into the appropriate sample containers. Following collection, the samples were immediately stored in a cooler on ice and delivered to TestAmerica in Westfield, Massachusetts (a Connecticut-certified analytical laboratory) via courier.

Section 6
Hydrogeology

6.1 Geology

The New Haven County Soil Survey classifies the surficial on-site soil as Urban Land. Urban Land refers to land mostly covered by streets, parking lots, buildings, and other structures of urban areas. The slope ranges from 0 to 45 percent and the runoff class is very high. This description is generally consistent with the observations made during field activities.

Fill material, consisting of ash, coal slag, cinders, brick fragments, and wood, are found throughout the site from the ground surface or under the asphalt to a depth of approximately 3 to 5 feet. The fill materials are likely remnants of the former industrial activities.

Between 1988 and 1989, two soil excavations were performed to remediate the site. Excavation 1 is located east of the building and Excavation 2 is located in the northern parking lot area. These excavations removed lead-impacted fill to a depth at three feet below the ground surface. These areas were backfilled with clean fill consisting of red medium to coarse sand.

Bedrock was not encountered during this investigation. The bedrock in this area is classified as New Haven Arkose, based on the Connecticut Geological Survey Bedrock Map. New Haven Arkose is red, pink, and gray coarse-grained, locally conglomeratic arkose interbedded with brick-red shaley siltstone and fine-grained arkosic sandstone.

6.2 Hydrology

According to the 1984 USGS Meriden Quadrangle Topographic Map, the elevation of the site is approximately 110 to 120 feet above sea level. The contours found on the topographic map indicate the elevation slopes in an east-northeasterly direction.

Groundwater was encountered between 4.3 and 9 feet below ground surface. Based on field measurements at the Site groundwater flow is to the southeast toward Harbor Brook. A groundwater contour map from the Phase II ESA (groundwater measurements taken in September 2010) is provided as Figure 3. The groundwater elevation data are included in Table 1.

Groundwater at the site is classified as GB by the CTDEEP. GB classified groundwater designated uses include industrial process water and cooling waters and baseflow for hydraulically connected surface water bodies. GB classified groundwater is presumed not suitable for human consumption without treatment.

Harbor Brook is classified as a class B stream flowing south towards the Quinnipiac River. According to the CTDEEP, a class B stream is used for recreational use, fish and wildlife habitat, agricultural and industrial supply and other legitimate uses including navigation.

Section 7
Remediation Criteria

Analytical results reported in this Phase III ESA are compared to remediation criteria listed in the CTDEEP Remediation Standard Regulations (RSRs). CTDEEP's intent in developing the RSRs was to define the following:

- Minimum remediation performance standards
- Specific numeric clean-up criteria
- A process for establishing alternative site-specific standards, if warranted

In general, RSR criteria are used to remediate contaminated environmental media (i.e., soils and groundwater). RSR criteria are not specifically applicable to building interiors and sediment.

The RSRs apply to efforts to remediate contaminated soil, surface water, soil vapors, or a groundwater plume at or emanating from a release area or AOC, provided that the remedial action is required by the following:

- CGS Chapter 445 (Hazardous Waste) or Chapter 446K (Water Pollution Control); or
- Relevant subsections of CGS 22a-133 (Voluntary Clean-up) including but not limited, any such action required to be taken or verified by a Licensed Environmental Professional, except as otherwise provided in the regulations.

7.1 Soil Remediation Criteria

The CTDEEP soil remediation criteria integrate two risk-based goals:

- Direct Exposure Criteria (DEC) to protect human health and the environment from risks associated with direct exposure (ingestion) to contaminated soil
- Pollutant Mobility Criteria (PMC) to protect groundwater quality from contaminants that migrate or leach from the soil to groundwater. Soils to which both criteria apply must be remediated to a level, which is equal to the more stringent criteria.

7.1.1 Direct Exposure Criteria

Specific numeric exposure criteria for a broad range of contaminants in soil have been established by the CTDEEP, based on exposure assumptions relative to incidental ingestion of contaminants in soils. The DEC applies to accessible soil to a depth of 15'. The DEC for substances other than PCBs does not apply to inaccessible soil at a release area provided that, if such inaccessible soil is less than 15' below the ground surface, an environmental land-use restriction (ELUR) is in effect with respect to the subject release area. For PCBs, a maximum concentration of 10 milligrams per kilogram (mg/Kg) can remain in soils considered inaccessible. Inaccessible soil generally means polluted soil, which is the following:

- More than 4' below the ground surface
- More than 2' below a paved surface comprised of a minimum of three inches of bituminous pavement or concrete
- Beneath an existing building

- Beneath another permanent structure(s) approved by the CTDEEP Commissioner. Buildings can be constructed and/or clean fill can be placed over contaminated soils rendering them inaccessible

The CTDEEP has established two sets of DEC using exposure assumptions appropriate for residential land use (RES DEC) or for industrial and certain commercial land use (I/C DEC). In general, all sites are required to be remediated to the residential criteria. If the industrial/commercial land use criteria are applicable and used, an ELUR notification is required in accordance with the RSRs.

7.1.2 Pollutant Mobility Criteria

The PMC that will apply to remediation of a site depend on the groundwater classification of the site. The purpose of these criteria is to prevent any contamination to groundwater in GA classified areas, and to prevent unacceptable further degradation to groundwater in GB classified areas. The PMC generally apply to all soil in the unsaturated zone, from the ground surface to the seasonal low water table in GA classified areas. For GB classified areas, the PMC are applicable to all soils from ground surface to the seasonal high water table. The site is situated within a GB classified area. Therefore, the GB PMC was applied to the site. The criteria do not apply to environmentally isolated soils that are polluted with substances other than VOCs provided that an ELUR is recorded for the release area which ensures that such soils will not be exposed (unless approved in writing by the CTDEEP Commissioner). Environmentally isolated soils are defined as certain contaminated soils, which are above the seasonal high water table, beneath an existing building and not a source of ongoing contamination. An ELUR must be recorded for the site, which ensures that such soils will not be exposed as a result of building demolition or other activities. Buildings can be constructed over contaminated soils rendering them environmentally isolated.

Remediation based upon the listed PMC requires that a substance, other than an inorganic substance or PCB, in soil be remediated to at least that concentration at which the results of a mass analysis of soil for such substances does not exceed the PMC applicable to the groundwater classification (i.e., GA or GB) of the area in which the soil is located. An inorganic substance (metals) or PCBs in soil must be remediated to at least that concentration at which the analytical results of leachate produced from either the Toxicity Characteristic Leaching Procedure (TCLP) or the Synthetic Precipitation Leaching Procedure (SPLP) does not exceed the PMC applicable to the groundwater classification of the area in which the soil is located.

7.2 Soil Vapor Criteria

Soil Vapor requirements are dependent upon the intended use of the site, industrial/commercial or residential. The objectives of these standards are the following:

- Protect and preserve air quality in industrial/commercial and residential buildings
- Protect human health

The CTDEEP has established two sets of Soil Vapor Volatilization Criteria using exposure assumptions appropriate for residential land use (RES VC) and for industrial and certain commercial land use (I/C VC). In general, all sites are required to be remediated to the residential criteria. If the industrial/commercial land use criteria are applicable and used, an ELUR notification is required in accordance with the RSRs.

Therefore, the following criteria would apply to the site:

- Residential Volatilization Criteria (RES VC)
- Industrial/Commercial Volatilization Criteria (I/C VC)

7.2.2 Soil Vapor Volatilization Criteria

The RES VC and I/C VC apply to all soil vapor with a VOC within 15' of the ground surface or a building. According to the regulations, the VOC of concern will be remediated to a concentration that is equal to or less than the applicable residential volatilization criterion for soil vapor. If soil vapors with a VOC is below a building used solely for industrial or commercial activity, groundwater may be remediated such that the concentration of the substance is equal to or less than the applicable I/C VC in lieu of the RES VC for soil vapor, provided that an Environmental Land Use Restriction (ELUR) is in effect with respect to the parcel (or portion of the parcel covered by the building). The ELUR must also ensure that the parcel (or portion thereof beneath the building) will not be used for any residential purpose in the future and that future use is limited to industrial or commercial activity.

7.3 Groundwater Remediation Criteria

Groundwater remediation requirements are dependent upon the groundwater classification of the site. The objectives of these standards are the following:

- Protect and preserve groundwater in GA areas as a natural resource
- Protect existing use of groundwater regardless of the area's groundwater classification
- Prevent further degradation of groundwater quality
- Prevent degradation of surface water from discharges of contaminated groundwater
- Protect human health

Portions of the RSRs governing groundwater regulate remediation of groundwater based on each substance present in plume and by each distinct plume of contamination. Several factors influence the remediation goal at a given site, including: background water quality, the groundwater classification, the proximity of nearby surface water, existing groundwater uses, and existing buildings and their use. When assessing general groundwater remediation requirements, all of these factors must be considered in conjunction with the major numeric components of the RSRs.

The site is situated within a GB classified area by the CTDEEP. Therefore, the following criteria would apply to the site:

- Surface Water Protection Criteria (SWPC)
- Groundwater Volatilization Criteria (GWVC)

7.3.1 Surface Water Protection Criteria

The SWPC applies to all groundwater, which discharges to surface water. The SWPC ensure the groundwater contamination resulting from on-site sources, which exceed background, is remediated to levels that adequately protect surface water quality. In general, compliance with the SWPC is achieved when the average concentration of a compound in groundwater emanating from a site is equal to or less than the SWPC established by the CTDEEP. The SWPC, therefore, will apply to the site.

7.3.3 Groundwater Volatilization Criteria

The GWVC apply to all groundwater contaminated with a VOC within 15' of the ground surface or a building. According to the regulations, the VOC of concern will be remediated to a concentration that is equal to or less than the applicable residential volatilization criterion for groundwater. If groundwater contaminated with a VOC is below a building used solely for industrial or commercial activity, groundwater may be remediated such that the concentration of the substance is equal to or less than the applicable industrial/commercial (I/C) GWVC in lieu of the residential (RES) GWVC for groundwater, provided that an ELUR is in effect with respect to the parcel (or portion of the parcel covered by the building). The ELUR must also ensure that the parcel (or portion thereof beneath the building) will not be used for any residential purpose in the future and that future use is limited to industrial or commercial activity.

Section 8
Results of Investigation

8. 1 Soil Analytical Results

Soil analytical results are summarized in Table 2 and compared to:

- RES DEC
- I/C DEC
- GB PMC

Table 2 also includes a summary of soil data collected during the Phase II ESA. Soil boring and soil vapor sampling locations are shown on Figure 2. Exceedances of soil cleanup criteria of the RSRs are highlighted in Table 2 and shown on Figure 4. Laboratory reports are provided as Appendix E.

8.1.1 VOCs

VOCs were sampled in six soil samples from four soil borings. The following VOCs were detected in the soil samples:

- 4-Isopropyltoluene
- Methylene Chloride
- Trichloroethene

Trichloroethene was detected above the RES DEC and GB PMC in soil samples B-129 (3) HA-130 (2-3). All other samples were below the I/C DEC, RES DEC, and GB PMC for VOCs.

8.1.2 PAHs

Sixteen soil samples were collected for PAH analysis from 16 borings. The following PAHs were detected in the soil samples:

- Anthracene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(k)fluoranthene
- Chrysene, nine samples
- Dibenz(a,h)anthracene
- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Phenanthrene
- Pyrene

The following PAHs were detected above the GB PMC:

- Benzo(a)anthracene, B-117 (2.5-3.5), B-119 (3-4), B-129 (3.5-4.5), HA-130 (2-3), HA-131 (1-2)
- Benzo(a)pyrene, B-117 (2.5-3.5), B-119 (3-4), B-129 (3.5-4.5), HA-130 (2-3), HA-131 (1-2)
- Benzo(b)fluoranthene, B-116 (1.5-3), B-117 (2.5-3.5), B-119 (3-4), B-129 (3.5-4.5), HA-130 (2-3), HA-131 (1-2)
- Benzo(k)fluoranthene, B-119 (3-4), HA-130 (2-3), HA-131 (1-2)
- Chrysene, B-116 (1.5-3), B-117 (2.5-3.5), B-119 (3-4), B-129 (3.5-4.5), HA-130 (2-3), HA-131 (1-2)
- Dibenzo(a,h)anthracene, B-119 (3-4)
- Indeno(1,2,3-cd)pyrene, B-119 (3-4), HA-130 (2-3)

The following samples were detected above the RES DEC:

- Benzo(a)anthracene, B-117 (2.5-3.5), B-119 (3-4), B-129 (3.5-4.5), HA-130 (2-3), HA-131 (1-2)
- Benzo(a)pyrene, B-117 (2.5-3.5), B-119 (3-4), B-129 (3.5-4.5), HA-130 (2-3), HA-131 (1-2)
- Benzo(b)fluoranthene, B-116 (1.5-3), B-117 (2.5-3.5), B-119 (3-4), B-129 (3.5-4.5), HA-130 (2-3), HA-131 (1-2)
- Dibenzo(a,h)anthracene, B-119 (3-4)
- Indeno(1,2,3-cd)pyrene, B-119 (3-4), HA-130 (2-3)

The following samples were detected above the I/C DEC:

- Benzo(a)pyrene, B-117 (2.5-3.5), B-119 (3-4), B-129 (3.5-4.5), HA-130 (2-3), HA-131 (1-2)
- Dibenz(a,h)anthracene, B-119 (3-4)

8.1.3 Metals

Sixteen soil samples were collected for metal analysis from 16 borings. Samples were analyzed for total and SPLP metals; antimony, arsenic, copper, and lead. The following metals were detected in the soil samples:

- Antimony
- Arsenic
- Copper
- Lead
- SPLP Antimony
- SPLP Arsenic
- SPLP Copper
- SPLP Lead

The following samples were detected above the GB PMC:

- SPLP Antimony, B-117 (2.5-3.5), B-118 (1-2), B-119 (3-4)

- SPLP Lead, B-115 (2-3), B-116 (1.5-3), B-117 (2.5-3.5), B-118 (1-2), B-119 (3-4), B-120 (2.5-3.5), B-122 (2-3), B-124 (3-4), B-128 (1-2)

The following samples were detected above the RES DEC:

- Antimony, B-116 (1.5-3), B-118 (1-2)
- Arsenic, B-115 (2-3), B-116 (1.5-3), B-118 (1-2), B-120 (2.5-3.5), B-122 (2-3), B-125 (7-8), B-129 (3.5-4.5), HA-131 (1-2)
- Copper, B-118 (1-2), B122 (2-3)
- Lead, B-115 (2-3), B-116 (1.5-3), B-118 (1-2), B-119 (3-4), B-120 (2.5-3.5), B-122 (2-3)

The following samples were detected above the I/C DEC:

- Arsenic, B-115 (2-3), B-116 (1.5-3), B-118 (1-2), B-120 (2.5-3.5), B-122 (2-3), B-125 (7-8), B-129 (3.5-4.5), HA-131 (1-2)
- Lead, B-118 (1-2), B-122 (2-3)

8.1.4 ETPH

Sixteen soil samples were collected for ETPH analysis from 16 borings. All samples had a detection of ETPH.

Total Petroleum Hydrocarbons (TPH) by EPA Method 8100 is recognized by the CT RSRs as an acceptable method to analyze petroleum hydrocarbons. Results of ETPH will be compared to CT RSR criteria for TPH.

ETPH concentrations for soil samples B-116 (1.5-3), B-118 (1-2), B-125 (7-8), and HA-130 (2-3) were detected above the RES DEC. Soil sample B-125 (7-8) was detected above the I/C DEC. All other samples were below applicable criteria.

8. 2 Soil Vapor Analytical Results

Six soil vapor points were sampled for VOCs and % helium during this investigation. Soil vapor analytical results are summarized in Table 3 with comparison to the following cleanup criteria:

- RES VC
- I/C VC

8.2.1 VOCs

Soil vapor samples were collected from the six soil vapor points. The following VOCs were detected in the samples:

- 1,1,1-Trichloroethane
- 1,2,4-Trimethylbenzene
- 1,3,5-Trimethylbenzene
- 1,3-Dichlorobenzene
- Acetone
- Benzene
- Carbon tetrachloride

- Chloroform
- Dichlorodifluoromethane
- Ethylbenzene
- m,p-Xylene
- Methyl Ethyl Ketone
- Methylene Chloride
- Tetrachloroethene
- Toluene
- Trichloroethene
- Trichlorofluoromethane
- o-Xylene, two samples
- Xylene (total)

There were no detections above the RES VC or I/C VC for VOCs.

Helium was analyzed to assess for leaks though the soil vapor point's seal. The % volume of helium detected is provided in Table 3.

8. 3 Groundwater Analytical Results

8.3 Groundwater Analytical Results

Two groundwater samples, MW-200 and AOC-11 SB/MW-1, were collected during this investigation. Groundwater analytical results are summarized in Table 4 with comparison to the following cleanup criteria:

- SWPC
- RES GWVC
- I/C GWVC

8.3.1 VOCs

Monitoring well AOC-11 SB/MW-1 was sampled for VOCs. There were no detections above the laboratory reporting limits for VOCs.

8.3.2 PAHs

Monitoring well AOC-11 SB/MW-1 was sampled for PAHs. Dibenz(a,h)anthracene was detected at a concentration of 0.54 ug/L. The CT RSRs do not have an established criterion for this parameter. All other PAHs were not detected above the laboratory reporting limits for PAHs.

8.3.3 Metals

Both monitoring wells MW-200 and SB/MW-1 were sampled for metals antimony, arsenic, copper, and lead. The following metals were detected:

- Antimony - MW-200
- Arsenic - MW-200, SB/MW-1 (duplicate sample only)
- Copper, MW-200, SB/MW-1

Arsenic was detected above the SWPC in MW-200. All other metals were below applicable criteria.

Section 9
Quality Assurance / Quality Control

Field sampling quality assurance included the collection of duplicate, equipment and trip blank samples. Quality control checks on field activities were performed to assure collection of data that is representative and valid. Laboratory quality assurance measures are also provided.

9.1 Duplicate Samples

Field duplicate samples are collected to provide information on sample collection, handling, shipping, storage, preparation, and analyses. The duplicate samples were obtained by collecting two identical sets of samples from a single sample location. The respective duplicate sample was analyzed for several parameters analyzed in the original sample. The comparison is a measurement of analytical precision.

9.1.1 Soil

One duplicate sample was collected during the soil investigation. DUP-1 is the duplicate sample for HA-127 (2-3). DUP-1 was analyzed for VOCs, PAHs, ETPH, and metals.

Dup-1 was not within 50% of the original sample, HA-127 (2-3) for VOC methylene chloride. The reporting limit for the duplicate sample was higher than the result in the original sample. Also, all VOC parameters not detected had laboratory reporting limits greater than a 50% difference between the original sample and the duplicate sample.

PAHs detected in the original sample and not in the duplicate sample include phenanthrene and pyrene.

Copper was the only metal not within 50% of the original sample with only 61 mg/Kg detected in the duplicate and 98 mg/Kg detected in the original sample.

All other parameters were within 50% of the original sample.

9.1.2 Soil Vapor

One duplicate sample was taken during the soil vapor sampling. DUP-1 is the duplicate for original sample SV-2. DUP-1 was within 50% of original sample with the exception of 1,3-Dichlorobenzene which was detected in the original sample at 0.0027 ppm and in the duplicate sample at a concentration of 0.0016 ppm.

9.1.3 Groundwater

One duplicate sample was taken during the groundwater sampling. DUP-1 is the duplicate for original sample AOC-11 SB/MW-1. DUP-1 was not within 50% of original sample for PAH dibenz(a,h)anthracene and arsenic. Dibenz(a,h)anthracene was detected in the original sample, but not in the duplicate sample. Arsenic was detected in the duplicate sample, but not the original sample. All other parameters were within a 50% difference between the original and the duplicate samples.

9.2 Blank Samples

Trip blank samples were used for site activities during VOC sampling activities. The purpose of analyzing this control sample was to determine if potential cross-

contamination occurred as a result of improper sample container cleaning, contaminated blank source water, sample contamination during storage and transportation, and other environmental conditions during the sampling event. The trip blank samples consisted of a container of laboratory-supplied reagent-grade water that was kept with the field groundwater sample containers from the time they left the laboratory until the time they were returned to the laboratory. One trip blank sample was analyzed for VOCs for both soil and groundwater sampling.

Equipment blank samples were collected at the end of each day of soil sampling and at the end of groundwater sampling activities. The equipment blank samples were created by pouring laboratory grade deionized water through a disposable macrocore sampling tube for the soil sampling and over the decontaminated bladder pump for the groundwater sampling. The rinseate was collected into appropriate containers for analysis. The equipment blanks were analyzed for all parameters.

No VOCs were reported in the trip or equipment blanks for soil or groundwater. Accordingly, no VOC cross-contamination likely occurred during the soil or groundwater sampling events.

The soil and groundwater sampling equipment blank samples were below laboratory reporting limits for all parameters.

9.3 Laboratory Quality Control

An analysis of the laboratory results, detected compounds, and collected samples affected by these quality control deficiencies was performed for the soil, soil vapor, and groundwater samples. Based on this analysis, the deficiencies identified do not affect the usability of the laboratory data. In general, the deficiencies identified were not associated with the COCs. In those areas where COCs were involved, the data quality is only minimally affected by these deficiencies and is sufficient to satisfy the DQOs for the project. The non-conformances are summarized in Table 5. The case narratives are included in Appendix E.

9.4 Data Usability Assessment

The quality control data and the analytical data were reviewed to form a data usability assessment. This assessment takes into consideration the following parameters:

- Detection limits
- Regulatory criteria
- Matrix effects
- Importance of nonconforming data relative to DQOs

Multiple soil, soil vapor, and groundwater samples were collected throughout the site to provide characterization of the property. Laboratory analysis of soil vapor and groundwater samples had sufficiently low detection limits in order to identify constituent concentrations approaching the CT RSR limits. Several soil samples, however, had laboratory reporting limits above the CT RSR limits. These included the following parameters:

- Methylene Chloride had laboratory reporting limits above the GB PMC of 1,000 ug/Kg for soil samples B-129 (3) and HA-130 (2-3) at detection limits of 19,000 and 7,400 ug/Kg, respectively.
- Benzo[k]fluoranthene had a laboratory reporting limit of 1,100 ug/Kg for sample B-116 (1.5-3) which is above the GB PMC of 1,000 ug/Kg
- Indeno[1,2,3-cd]pyrene had a laboratory reporting limit above the GB PMC and RES DEC of 1,000 ug/Kg in soil samples B-116 (1.5-3), B-117 (2.5-3.5), B-120 (2.5-3.5), B-121 (2.5-3.5), HA-127 (2-3), B-129 (3.5-4.5), and HA-131 (1-2). Detection limits for these soil samples ranged from ND<1,800 to ND<2,000

It is possible that exceedances of the above listed parameters would have been discovered during this investigation if lower laboratory reporting limits were reported. The DQOs of identifying the COCs exceeding RSR criteria were met with the exception of the above listed parameters. The data derived from this Phase III ESA is usable and adequate for the project DQOs. The non-conformances are summarized in Table 5.

9.5 Deviations from the Quality Assurance Project Plan

The Quality Assuance Project Plan (QAPP) was approved in July 2011 by the EPA. The following are deviations from the QAPP:

- Soil boring HA-131 was added to the Phase III ESA as part of REC-4/REC-11 and REC-6. This boring is located in the courtyard between 116 Cook Avenue and the Factory H site. Since the courtyard was inaccessible for the drill rig, Tighe & Bond personnel hand augered the boring to 2 feet below ground surface.
- Soil borings B-127 and B-130 in REC-10 were hand augered by Tighe & Bond personnel since the area was not accessible by the drill rig due to heavy vegetation and renamed HA-127 and HA-130 accordingly.
- Soil boring B-126 was not sampled due to multiple refusals within the top foot of the ground surface.
- All soil vapor points were installed by GeoProbe. SV-4 was relocated to outside the building due to inaccessibility at the proposed interior location.
- Groundwater monitoring well ME-MW-02 is located within the interior of Factory H. Factory H is a condemned building and it was not safe to sample this well. Groundwater monitoring well SB/MW-1 is located on the exterior of the Factory H building and was used as the downgradient well.

Section 10
Conceptual Site Model

A conceptual site model (CSM) is a representation of an environmental system at a site that is used as a tool to identify releases, pathways of migrations, potential receptors, and ultimately risk. The CSM is used to develop work plans and provide a framework to address issues that arise during the investigation of a site. The CSM is refined throughout the site characterization process as new data are acquired. The final CSM will fully define the environmental system at a site and validate the hypotheses regarding the environmental fate of released contaminants. This CSM includes data obtained from the Phase II and Phase III ESAs.

The CSM includes the following:

- Description of the site, environments, and AOCs
- Nature and extent of contaminants
- Potential release mechanisms for such contaminants
- Evaluation of migration pathways and locations at which environmental media are most likely to have been impacted by a release
- Identification of AOCs at which releases have occurred as well as AOCs at which no releases have occurred
- Data and rationale to support the conclusion

The CSM is summarized in Table 5.

10.1 Description of Site, Environments, and AOCs

A description of the site, history, and operations as derived from previous reports is provided in Sections 3 and 4. A description of site hydrogeology is provided in Section 6.

10.2 Nature and Extent of Contamination

A discussion of the nature and extent of contamination in soil, soil vapor, and groundwater is provided below.

The COCs confirmed in the soil at the site include: metals (antimony, SPLP antimony, arsenic, SPLP arsenic, barium, beryllium, cadmium, chromium, copper, SPLP copper, lead, SPLP lead, nickel, silver, vanadium, zinc, mercury), cyanide, ETPH, SVOCs, and VOCs. Detections of these COCs were found in soils ranging in depth from 1 to 12 feet below grade.

The COCs confirmed in the groundwater at the site include VOCs, SVOCs, nickel, and barium. Groundwater at the site is within the overburden at approximately 4-10 feet below ground surface.

A summary of the analytical data from this investigation and the Phase II ESA are provided in Tables 2, 3, and 4. Locations of soil borings, soil vapor points and monitoring wells are depicted on Figure 2. The COCs, which were detected above

regulatory criteria in one or more boring locations on the site, are bolded and boxed in Tables 2, 3, and 4. Analytical data for this investigation as well as the Phase II ESA are provided in Appendix E.

10.2.1 VOCs

Soil

Trichloroethylene (TCE) was the only VOC detected in the soil borings above CT RSR criteria. This COC exceeded the GB PMC of 1,000 ug/Kg and the RES DEC of 56,000 ug/Kg at concentrations ranging from 49,000 to 190,000 µg/Kg. TCE is primarily used as a solvent and degreaser in manufacturing. Other uses for TCE include use as an extractor for vegetable oils, a dry cleaning solvent, and an anesthetic.

The TCE was detected in the borings associated with REC-11, Historical Use of Site. The borings with TCE detections are in the southern part of the site in close proximity to Factory H near a side door. It is possible that spent solvents were historically discharged outside this side door. The detected concentrations of TCE up to 190,000 ug/Kg are significantly elevated, above the GB PMC and RES DEC, and could have resulted from a surface release. TCE has been detected at depths of 2 to 5 feet.

Soil Vapor

Several VOCs were detected in at least one of the six soil vapor points analyzed, but all were well below CT RSR criteria.

Groundwater

Vinyl chloride was reported above criteria in the groundwater at MW-100 and MW-103 above the RES and I/C GWVC during the Phase II ESA. These wells are located in the previously excavated Areas 1 and 2. TCE and cis-1,2-Dichloroethene were also detected. Vinyl chloride and cis-1,2-Dichloroethene are breakdown products of TCE and possibly are due to degradation processes. Based on the soil vapor discussed previously, vinyl chloride is well below the Volatilization Criteria indicating that the groundwater plume would likely not impact overlying structures.

10.2.2 PAHs

Soil

The potential source of PAHs detected at the site is the deposition from the incomplete combustion of coal or fill material. PAHs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene) were reported in soil located at 1 to 4.5 feet below grade at concentration in excess of the I/C DEC, RES DEC or GB PMC across the site. Fill constituents were observed throughout the site and appear to be the source of the PAHs. Soil remediation activities have previously been performed in the northeastern area but apparently did not remove all of the impacted fill material and soil.

Groundwater

PAHs in groundwater were detected in two groundwater monitoring wells which are located in or downgradient of the site. Monitoring well MW-104 had detections of 2-Methylnaphthalene, Naphthalene, and Phenanthrene. 2-Methylnaphthalene and Naphthalene were detected below CT RSR criteria. Phenanthrene was detected above the SWPC suggesting a possible leak or overfill of the tank. Overall, the data suggests

that the groundwater has not been significantly impacted by the fill and soil sources at the site.

10.2.3 Metals

Metals in Soil

Antimony

Antimony is a metal not commonly found in soils. Antimony is used as an alloy with lead in bullet manufacturing and lead-acid batteries as well as with tin in pewter manufacturing. Antimony was used in the manufacturing of machinery bearings. Other uses for the metal include pigments (bright yellow color), fire retardant clothing, fireworks, and medicine.

Antimony was reported in 13 of the 23 boring locations analyzed ranging from 0.91 to 180 mg/Kg. Samples from five borings had detected concentrations above the RES DEC of 27 mg/Kg in the north and western areas of the site.

SPLP antimony was reported in nine of the 16 of the soil borings analyzed and ranged in concentration from 0.023 to 0.61 mg/L. Three borings were above the GB PMC of 0.06 mg/L in the northern area of the site.

The metal was detected in borings that also had detections of arsenic and lead. The detections of antimony suggest the source is related to the fill material that was historically deposited at the site.

Arsenic

Arsenic is a metal that is commonly found in soils at varying concentrations. Arsenic is used as an alloy with lead in manufacturing of semiconductors, bullets and automotive batteries. Arsenic has also been historically used as a pesticide/herbicide. Other uses for the metal include pigments (green color), lead-shot bullets, and medicine.

Samples from 12 borings had detected concentrations above the RES DEC and I/C DEC of 10 mg/Kg at multiple locations across the site. SPLP arsenic was below the GB PMC of 0.1 mg/L.

The metal was detected in borings that also had detections of antimony and lead. The detections of arsenic suggest the source is related to the fill material that was historically deposited at the site.

Copper

Copper is a metal that is naturally found in soils at varying concentrations. Copper is used primarily as a metal in electrical wires and pipes. The metal is also used as an alloy with zinc in brass.

Samples from four borings had detected concentrations above the RES DEC of 2,500 mg/kg in the northern area of the site. SPLP copper was below the GB PMC of 13 mg/L.

The highest detections of copper are reported in the borings that also have the highest concentrations of arsenic and lead, suggesting the copper is related to the fill material that was historically deposited at the site.

Lead

Lead is a metal that is naturally found in soils at varying concentrations. Lead is used in metal and wire manufacturing, a base for paint, a component of gasoline, and a constituent of coal.

Samples from 12 soil borings had detected concentrations above the RES DEC of 400 mg/kg. Seven soil borings had detections of lead above the I/C DEC of 1,000 mg/Kg. Ten of the soil borings were above the GB PMC of 0.15 mg/L.

The detections of lead suggest the source is related to the fill that was historically deposited at the site.

Metals in Groundwater

Barium was detected in all monitoring wells analyzed for barium, indicating a naturally occurring condition. Nickel was detected in the upgradient well, MW-101, indicating a background condition. Arsenic and copper were detected in the downgradient, off-site monitoring well (SB/MW-1) but well below CT RSR. The data suggests that the groundwater has not been significantly impacted by the fill and soil sources at the site.

10.2.4 ETPH

ETPH was detected in all soil boring samples analyzed for ETPH. The detections of ETPH suggest the majority of the site has been impacted by the historic placement of fill material. Samples from seven borings had detected concentrations above the RES DEC of 500 mg/Kg for TPH. Two soil borings were above the GB PMC and I/C DEC of 2,500 mg/Kg for TPH.

10.2.5 Cyanide

Cyanide was detected in three of the eight soil samples collected and were well below RSR criteria. Cyanide is used in industrial processes and is likely related to the industrial-impacted fill material that was historically deposited at the site.

10.3 Potential Release Mechanisms

The potential release mechanism at each REC is identified in Table 6. A summary of the potential release mechanisms for each COC at the site are as follows:

Metals - spills from former manufacturing activities, deposition of fill materials

PAHs - spills from former manufacturing activities, deposition of fill materials, release from UST

VOCs - spills from former manufacturing activities, release from leaking UST

ETPH - spills from former manufacturing activities, deposition of fill materials, release from UST

Cyanide - spills from former manufacturing activities, deposition of fill materials

10.4 Migration Pathways

Potential migration pathways for each REC are identified in Table 6. The migration pathway or transport mechanisms fall into three general types depending upon the sources. The first migration pathway consists of deposition at the ground surface with vertical migration to the water table, then horizontal transport with groundwater. The

second migration pathway is contaminant transport through overland flow at the ground surface. The third migration pathway consists of off gassing of VOCs from the groundwater plume and potential migration into overlying structures. A migration pathway to receptors has not been identified during this investigation; however, further evaluation of receptors and development plans needs to be completed to evaluate risks. Additionally, further groundwater monitoring will be required to evaluate potential migration pathways due to seasonal groundwater fluctuations.

10.5 Recognized Environmental Concern

A description and current status of each REC is provided below. The previous Phase I ESAs identified the following RECs:

- **REC-4** – Urban Fill

  ETPH, PAHs, and metals were detected in the industrial-impacted fill material that is prevalent throughout the site. ETPH, PAHs, and metals (antimony, arsenic, copper, and lead) were detected above the RES DEC, I/C DEC, and/or GB PMC. The remediation conducted in 1989 used cleanup standards that are less stringent than the current RSRs but it was approved by CTDEEP in 1989. The Phase II ESA found additional fill areas that were unknown in 1989. The Phase II and III ESAs delineated the fill and areas requiring remediation to achieve compliance with the CT RSRs.

- **REC-5** Former Medical Office

  Further evaluation of the radiological REC is unnecessary based on a conversation with Jan Nguyen of the Nuclear Regulatory Commission (NRC) Region 1 regarding the status of the NRC license (#06-05686-02) that previously included operations at 116 Cook Avenue. Ms. Nguyen indicated the following:

- The NRC removed the facility located at 116 Cook Avenue from the license and released the site for unrestricted use in a NRC letter dated June 16, 1999.
- A radiological investigation of 116 Cook Avenue was conducted in November 1998 that included a Geiger counter survey and wipe samples and no contamination was found. NRC reviewed and approved the investigation.
- Only diagnostic nuclear medicine was conducted at 116 Cook Avenue which included x-rays and low level nuclear medicine such as Technesium99 which has a half-life of 6 hours and is gone in 60 days and would have not resulted in residual radiological contamination.

- **REC-6** – On-Site Soil

  The on-site soil has been impacted by the fill that has been deposited at the site. ETPH, PAHs, and metals (antimony, arsenic, copper, and lead) were detected above the RES DEC, I/C DEC, and/or GB PMC. The Phase II and III ESAs delineated the fill and areas requiring remediation to achieve compliance with the CT RSRs.

- **REC-7** – On-Site Groundwater

Metals, VOCs, and SVOCs were detected in the groundwater indicating impacts from the fill material. Vinyl chloride was detected above the RES GWVC and I/C GWVC in the northeastern and eastern areas of the site. Two soil vapor points were installed in the vicinity of the two monitoring wells that exceeded the RES GWVC and I/C GWVC of vinyl chloride and were analyzed for VOCs. Both soil vapor points had concentrations well

below CT RSR criteria suggesting that the groundwater plume likely would not be a risk to future building inhabitants. Additional monitoring should be conducted in the future as part of redevelopment planning to re-evaluate risk.

- **REC-8** Off-Site Groundwater

  Barium and nickel were detected in the upgradient well, MW-101, and are likely due to background conditions. Based on the data collected during the Phase II and III ESAs, it does not appear that fill and soil materials at the site are significantly impacting groundwater quality.

- **REC-10 –** Underground Fuel Oil Tank

  Based on the review of CT DEEP records, the 10,000-gallon heating oil UST was installed in 1977. This UST has exceeded the regulatory life expectancy. ETPH was detected in the soil above the RES DEC. Additionally, aromatic VOCs and PAHs were detected in the soil and groundwater located downgradient of the UST suggesting a release has occurred. Phenanthrene was detected in groundwater above the SWPC. It is recommended that the UST and any impacted soil be removed in accordance with CTDEEP tank closure procedures.

- **REC-11** – Historic Site Use

  TCE was detected in the borings associated with REC-10, the 10,000-gallon fuel oil UST. These borings are also in close proximity to Factory H near a side door. It is possible that spent solvents were historically discharged from this side door. The concentrations detected in the soil ranged from 4.5 to 190,000 µg/Kg with two boring locations above the RES DEC of 56,000 µg/Kg. The TCE could have resulted from a surface release since it was detected at a depth of 2 to 3 feet. The Phase II and III ESAs delineated the TCE area requiring remediation to achieve compliance with the CT RSRs.

- **REC-12** – Staining of Concrete in Elevator Mechanical Room and 55-Gallon Drum

  Concrete around the elevator reservoir in Wing C was observed to be stained with hydraulic oil. A strong petroleum odor was also noted. No floor drains were observed in this room. PCBs and ETPH were not detected in the soil beneath the concrete slab suggesting a subsurface release has not occurred. It is recommended that the oil in the 55-gallon drum and elevator reservoirs and piping be removed and properly disposed of.

- **REC-13** - Transformer

  A transformer is present at the southern exterior side of Wing D. No visible evidence of staining was observed. One boring (B-110) was installed in this area and a soil collected for the analysis of PCBs. No evidence of release was found. The transformer is currently unmarked and is therefore assumed to be PCB containing under Federal Regulations (40 CFR 761). It is recommended that the transformer be further inspected to bring it into compliance with Federal Regulations.

- **REC-14** - Generator

  A natural gas generator is present on the southern exterior side of Wind D. The generator may have replaced a diesel generator at some point in the past. No visible evidence of staining was observed. One boring (B-111) was installed in this area and a soil collected for the analysis. Arsenic and lead were detected in the soil above the RES DEC. ETPH was also detected but below cleanup criteria. These COCs are attributed to the industrial-impacted fill material and not a release from the generator. This REC is considered closed.

Section 11
Summary and Recommendations

11.1 Summary

Tighe & Bond completed a Phase III ESA at 116 Cook Avenue, Meriden, Connecticut. The purpose of this investigation was to further delineate areas of impact discovered in the Phase II ESA and areas requiring remediation to achieve compliance with the CT RSRs. Results of the Phase III ESA indicate the following:

- Releases of COCs including ETPH, PAHs, and metals have occurred at **REC-7** – On-Site Groundwater.
- Releases of VOCs including TCE have occurred at **REC-7** – On-site Groundwater and **REC-11** – Historical Use of Site.
- Releases of ETPH and PAHs have occurred at **REC-10** – 10,000 gallon heating oil tank.
- Releases of COCs to the environment were not found at **REC-12** - Staining on Concrete in Elevator Room, **REC-13** – Transformer Pad, and **REC-14** - Generator. These RECs have been adequately investigated and are considered closed.
- An investigation for radiological COCs was previously performed at **REC-5** - Former Medical Office by the Meriden Medical Center and no issues were found and the REC was closed. The closure was approved by the NRC.
- Soil vapor points had concentrations well below CT RSR criteria suggesting that the groundwater plume likely would not be a risk to future building inhabitants. Additional monitoring should be conducted in the future as part of redevelopment planning to re-evaluate risk.
- Remediation or a variance to the RSRs such as an Engineered Control is required to bring **REC-4** – Urban Fill, **REC-6** – On-Site Soil, and **REC-11** – Historical Use of Site into compliance with the RSRs.

11.2 Recommendations

If the City intends on redeveloping the site, Tighe & Bond recommends the preparation of a Remedial Action Plan (RAP) to assist with redevelopment planning and ultimate cleanup of the site. Tighe & Bond recently prepared a draft Analysis of Brownfield Cleanup Alternatives (ABCA), dated November 8, 2011, which can be used as resource when preparing the RAP. The following approaches are recommended for consideration as part of the RAP preparation:

- The fill and soil associated with RECs 4, 6, and 11 have PAHs and metals in exceedance of the RES DEC and in some locations exceedances over the I/C DEC. The fill associated with these exceedances is approximately 4 feet thick throughout the majority of the site. An “Engineered Control” variance under the CT RSRs in lieu of excavating and transporting the impacted soil off site should be pursued as part of redevelopment planning. An engineered control would keep the impacted fill and soil in place and cap with paved parking lots,

geotextiles, and/or geomembranes. The engineered variance can be designed to allow residential use of the property.

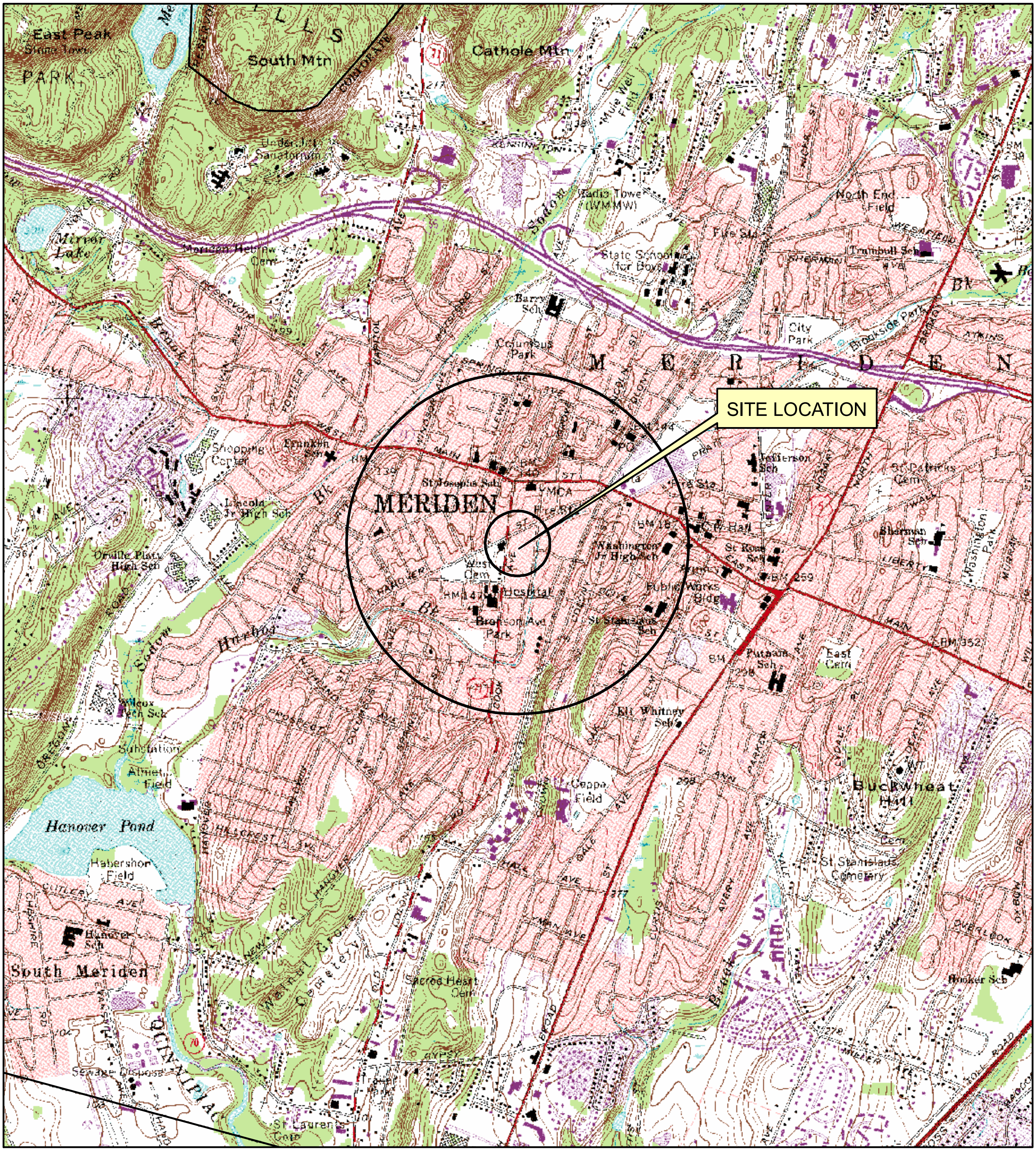
- Excavation of soil exceeding the GB PMC and RES DEC of TCE in REC-11, Historical Use of Site. This area is located in close proximity to REC-10, the 10,000 fuel oil UST and Factory H. TCE was detected above CT RSR criteria from 2 to 5 feet below ground surface (bgs). Soil should be excavated to 6.5 feet bgs and soil samples collected to confirm TCE has been fully removed from the area to below CT RSR criteria.
- Further evaluate soil vapor concentrations through an additional round of soil vapor sampling in the future as part of redevelopment planning. This round should be timed to coincide with seasonal worst case predicted concentrations. If necessary, soil vapor barriers can be installed for new buildings as part of remedial planning.
- Include any cleanup requirements for PCB-impacted soil that may be determined by the Hazardous Building Material Investigation (HBMI). If building materials are impacted with PCBs, such as window caulk, releases to shallow soils may have occurred. Once the HBMI is completed, additional soil investigations may be required to determine if the soil has been impacted.

Tighe & Bond also recommends that the following actions be taken in the near term before RAP preparation and redevelopment planning:

- The 10,000 gallon fuel oil tank, REC-10, be removed and closed in accordance with CTDEEP guidelines. Investigation results suggest that a release tank of petroleum constituents may have occurred from the tank. Additionally, the tank is also past its life expectancy and contains approximately 2,000 gallons of a water and oil mixture. The tank contents should be removed and disposed of property immediately to prevent releases to the environment.
- A transformer is present at the southern exterior side of Wing D. The transformer is currently unmarked and is therefore assumed to be PCB containing under Federal Regulations (40 CFR 761). It is recommended that the transformer be further inspected to bring it into compliance with Federal Regulations.
- It is recommended that the oil in the 55-gallon drum in the elevator room and within the elevator reservoirs and piping be removed and properly disposed of. If leaks occur from the elevators, impact to the environment may occur requiring costly remediation.

Tighe&Bond

APPENDIX A



1:25,000

0 2,000

Feet

Based on USGS Topographic Map for Meriden, Ct Quadrangle.
Revised 1992. 10-Foot Contour Interval.

Circles indicate 500-foot and half-mile radii

FIGURE 1
SITE LOCUS MAP

116 Cook Avenue
Meriden, Connecticut

Tighe&Bond

Nov 15, 2011-11:52am Plotted By: dfv
Tighe & Bond, Inc. \\SRV\Projects\M\M0817 - Meriden Brownfields\116 Cook Ave & 85 Cooper St\Phase III ESA\85 Cooper Phase III\Phase III 116 Cook.dwg

Tighe&Bond www.tighebond.com	Scale: 1" = 100'	Date:	Revision:	116 Cook Avenue / 85 Cooper Street Meriden, Connecticut	NORTH
	Job No. M08171			Site Plan	Sheet No: Figure 2
	Date: 01/26/2011	Drawn By: MMS			

Jan 26, 2011-10:24am Plotted By: dfv
Tighe & Bond, Inc. J:\M\M0817 - Meriden Brownfields\116 Cook Ave & 85 Cooper St\Drawings\116 Cook Ave.dwg

Tighe&Bond
www.tighebond.com

Scale: 1" = 100'	Date:	Revision:	116 Cook Avenue / 85 Cooper Street Meriden, Connecticut	NORTH
Job No. M08171			Groundwater Contour Map	Sheet No: Figure 3
Date: 01/26/2010	Drawn By: MMS			

Nov 14, 2011-1:37pm Plotted By: mms
Tighe & Bond, Inc. J:\M\M0817 - Meriden Brownfields\116 Cook Ave & 85 Cooper St\Phase III ESA\116 Cook Phase III\Phase III 116 Cook.dwg

B-100	Depth (1-2')	Exceedance
Benzo[a]anthracene (ug/Kg)	5,900	RES DEC, GB PMC
Benzo[a]pyrene (ug/Kg)	7,100	RES DEC, I/C DEC, GB PMC
Benzo[b]fluoranthene (ug/Kg)	8,900	RES DEC, I/C DEC, GB PMC
Benzo[k]fluoranthene (ug/Kg)	2,500	GB PMC
Chrysene (ug/Kg)	5,700	GB PMC
Dibenz(a,h)anthracene (ug/Kg)	1,100	RES DEC, I/C DEC, GB PMC
Indeno[1,2,3-cd]pyrene (ug/Kg)	3,000	RES DEC, GB PMC
Lead (mg/Kg)	740	RES DEC
SPLP Lead (mg/L)	0.32	GB PMC

B-117	Depth (2.5-3.5')	Exceedance
Benzo[a]anthracene (ug/Kg)	1,400	RES DEC, GB PMC
Benzo[a]pyrene (ug/Kg)	1,700	RES DEC, I/ DEC, GB PMC
Benzo[b]fluoranthene (ug/Kg)	2,100	RES DEC, GB PMC
Chrysene (ug/Kg)	1,400	GB PMC
SPLP Antimony (mg/L)	0.33	GB PMC
SPLP Lead (mg/L)	1.6	GB PMC

B-116	Depth (1.5-3')	Exceedance
Benzo[b]fluoranthene (ug/Kg)	1,600	RES DEC, GB PMC
Chrysene (ug/Kg)	1,500	GB PMC
ETPH (mg/Kg)	520	RES DEC
Antimony (mg/Kg)	35	RES DEC
Arsenic (mg/Kg)	22	RES DEC, I/C DEC
Lead (mg/Kg)	1,000	RES DEC
SPLP Lead (mg/L)	0.30	GB PMC

B-115	Depth (2-3')	Exceedance
Arsenic (mg/Kg)	11	RES DEC, I/C DEC
Lead (mg/Kg)	550	RES DEC
SPLP Lead (mg/L)	0.62	GB PMC

B-122	Depth (2-3')	Exceedance
Arsenic (mg/Kg)	14	RES DEC, I/C DEC
Copper (mg/Kg)	4,400	RES DEC
Lead (mg/Kg)	1,400	RES DEC, I/C DEC
SPLP Lead (mg/L)	0.75	GB PMC

B-111	Depth (1-2')	Exceedance
Arsenic (mg/Kg)	12	RES DEC, I/C DEC
Lead (mg/Kg)	930	RES DEC

B-124	Depth (3-4')	Exceedance
SPLP Lead (mg/L)	0.17	GB PMC

B-125	Depth (7-8')	Exceedance
EPTH (mg/Kg)	3,500	RES DEC, I/C DEC, GB PMC
Arsenic (mg/Kg)	11	RES DEC, I/C DEC

B-104	Depth (4-5')	Depth (11-12')	Exceedance
Trichloroethene (ug/Kg)	49,000	ND<140	GB PMC (4-5')
ETPH (mg/Kg)	730	1,700	RES DEC

B-118	Depth (1-2')	Exceedance
ETPH (mg/Kg)	540	RES DEC
Antimony (mg/Kg)	63	RES DEC
Arsenic (mg/Kg)	17	RES DEC, I/C DEC
Copper (mg/Kg)	8,500	RES DEC
Lead (mg/Kg)	1,700	RES DEC, I/C DEC
SPLP Antimony (mg/L) (mg/L)	0.61	GB PMC
SPLP Lead (mg/L)	4.4	GB PMC

B-102	Depth (1-2')	Exceedance
Antimony (mg/Kg)	55	RES DEC
Arsenic (mg/Kg)	14	RES DEC, I/C DEC
Lead (mg/Kg)	1,700	RES DEC, I/C DEC

B-105	Depth (2-3')	Exceedance
Antimony (mg/Kg)	150	RES DEC
Arsenic (mg/Kg)	33	RES DEC, I/C DEC
Copper (mg/Kg)	6,000	RES DEC
Lead (mg/Kg)	3,200	RES DEC, I/C DEC

B-119	Depth (3-4')	Exceedance
Benzo[a]anthracene (ug/Kg)	4,900	RES DEC, GB PMC
Benzo[a]pyrene (ug/Kg)	4,900	RES DEC, I/ DEC, GB PMC
Benzo[b]fluoranthene (ug/Kg)	6,300	RES DEC, GB PMC
Benzo[k]fluoranthene (ug/Kg)	2,000	GB PMC
Chrysene (ug/Kg)	5,000	GB PMC
Dibenz(a,h)anthracene (ug/Kg)	1,100	RES DEC, I/ DEC, GB PMC
Indeno[1,2,3-cd]pyrene (ug/Kg)	3,400	RES DEC, GB PMC
Lead (mg/Kg)	630	RES DEC
SPLP Antimony (mg/L) (mg/L)	0.1	GB PMC
SPLP Lead (mg/L)	1.7	GB PMC

B-107	Depth (1-2')	Exceedance
Benzo[b]fluoranthene (ug/Kg)	1,300	RES DEC, GB PMC
Chrysene (ug/Kg)	1,100	GB PMC

B-108	Depth (1-2')	Exceedance
ETPH (mg/Kg)	15,000	RES DEC, I/C DEC, GB PMC
Antimony (mg/Kg)	180	RES DEC
Arsenic (mg/Kg)	31	RES DEC, I/C DEC
Copper (mg/Kg)	5,200	RES DEC
Lead (mg/Kg)	4,200	RES DEC, I/C DEC

B-103	Depth (1-2')	Exceedance
Lead (mg/Kg)	1,100	RES DEC, I/C DEC

B-120	Depth (2.5-3.5')	Exceedance
Arsenic (mg/Kg)	15	RES DEC, I/C DEC
Lead (mg/Kg)	660	RES DEC
SPLP Lead (mg/L)	0.42	GB PMC

HA-131	Depth (1-2')	Exceedance
Benzo[a]anthracene (ug/Kg)	2,400	RES DEC, GB PMC
Benzo[a]pyrene (ug/Kg)	2,200	RES DEC, I/ DEC, GB PMC
Benzo[b]fluoranthene (ug/Kg)	2,900	RES DEC, GB PMC
Benzo[k]fluoranthene (ug/Kg)	1,500	GB PMC
Chrysene (ug/Kg)	2,100	GB PMC
Arsenic (mg/Kg)	62	RES DEC, I/ DEC

B-129	Depth (3')	Depth (3.5-4.5')	Exceedance
Benzo[a]anthracene (ug/Kg)	-	1,100	RES DEC, GB PMC
Benzo[a]pyrene (ug/Kg)	-	1,100	RES DEC, I/ DEC, GB PMC
Benzo[b]fluoranthene (ug/Kg)	-	1,500	RES DEC, GB PMC
Chrysene (ug/Kg)	-	1,100	GB PMC
Arsenic (mg/Kg)	-	80	RES DEC, I/C DEC
Trichloroethene (ug/Kg)	190,000	-	RES DEC, GB PMC

HA-130	Depth (2-3)	Exceedance
Trichloroethene (ug/Kg)	85,000	RES DEC, GB PMC
Benzo[a]anthracene (ug/Kg)	5,200	RES DEC, GB PMC
Benzo[a]pyrene (ug/Kg)	4,800	RES DEC, I/ DEC, GB PMC
Benzo[b]fluoranthene (ug/Kg)	6,600	RES DEC, GB PMC
Benzo[k]fluoranthene (ug/Kg)	3,400	GB PMC
Chrysene (ug/Kg)	5,700	GB PMC
Indeno [1,2,3-cd] pyrene (ug/Kg)	2,700	RES DEC, GB PMC
ETPH (mg/Kg)	620	RES DEC

B-128	Depth (1-2')	Exceedance
SPLP Lead (mg/L)	0.17	GB PMC

Tighe&Bond
www.tighebond.com

Scale:	Date:	Revision:
1" = 100'	9/23/11	Phase III ESA Exceedances
Job No. M0817		
Date: 11/1/2011	Drawn By: MMS	

116 Cook Avenue
Meriden, Connecticut

Soil Exceedances

NORTH

Sheet No:
Figure 4

Tighe&Bond

APPENDIX B

Table 1
Summary of Well Construction and Groundwater Elevation
Phase III ESA
116 Cook Avenue
Meriden, Connecticut

Well ID	Elevation	Construction		Well Installation Date	Well Screen or Open Borehole Interval			Groundwater Elevation 9/29/10	
	Top of Casing	Total Well Depth (ft)	Casing Material		Depth (ft)	Screen / Borehole Length (ft)	Media Screened	Depth to GW (feet)	GW Elevation (feet NGVD)
MW-100	100.88	14	2-inch PVC	9/16/10	4-14	10	Overburden	7.05	93.83
MW-101	99.51	13	2-inch PVC	9/16/10	3-13	10	Overburden	4.31	95.20
MW-102	100.58	14	2-inch PVC	9/16/10	4-14	10	Overburden	5.60	94.98
MW-103	99.73	14	4-inch Steel	9/16/10	4-14	10	Overburden	6.60	93.13
MW-104	100.21	15	2-inch PVC	9/16/10	5-15	10	Overburden	6.46	93.75
MW-Unknown	100.49	Unknown	2-inch PVC	Unknown	Unknown	Unknown	Unknown	5.25	95.24

Elevations based upon an assumed datum

Elevation data based on survey conducted by Bolduc Land Consultants LLC on 10-19-10

Table 2
Soil Analytical Summary
Phase III ESA
116 Cook Avenue
Meriden, CT

Parameter	CT RSR Criteria			B-100 (1-2')	B-101 (1-2')	B-102 (1-2')	B-103 (1-2')	B-104 (4-5')	B-104 (11-12')	B-105 (2-3)	B-106 (3-4)	B-107 (1-2)	DUP-1 (B-107 (1-2))	B-108 (1-2)	B-109 (9-10)
	RES DEC	I/C DEC	GB PMC	9/16/10	9/16/10	9/16/10	9/16/10	9/16/10	9/16/10	9/17/10	9/17/10	9/17/10	9/17/10	9/17/10	9/17/10
VOCs (µg/Kg)															
1,2,4-Trimethylbenzene	500,000	1,000,000	70,000	ND<0.65	ND<0.51	ND<0.58	ND<0.60	ND<230	1,700	ND<0.66	ND<0.53	ND<0.54	ND<0.48	ND<0.59	ND<0.49
1,3,5-Trimethylbenzene	500,000	1,000,000	70,000	ND<0.65	ND<0.51	ND<0.58	ND<0.60	ND<230	320	ND<0.66	ND<0.53	ND<0.54	ND<0.48	ND<0.59	ND<0.49
4-Isopropyltoluene	500,000	1,000,000	41,800	ND<0.65	ND<0.51	ND<0.58	ND<0.60	ND<230	35,000	ND<0.66	ND<0.53	ND<0.54	ND<0.48	ND<0.59	ND<0.49
cis-1,2-Dichloroethene	500,000	1,000,000	14,000	ND<0.65	ND<0.51	ND<0.58	ND<0.60	650	ND<140	ND<0.66	ND<0.53	ND<0.54	ND<0.48	ND<0.59	ND<0.49
Methylene Chloride	82,000	760,000	1,000	ND<2.6	ND<2.0	ND<2.3	ND<2.4	ND<920	ND<1,400	ND<2.6	ND<2.1	ND<2.2	ND<1.9	ND<2.4	ND<2.0
o-Xylene	500,000	1,000,000	19,500	ND<0.65	ND<0.51	ND<0.58	ND<0.60	ND<230	590	ND<0.66	ND<0.53	ND<0.54	ND<0.48	ND<0.59	ND<0.49
m-Xylene & p-Xylene				ND<1.3	ND<1.0	ND<1.2	ND<1.2	ND<460	1,500	ND<1.3	ND<1.1	ND<1.1	ND<0.97	ND<1.2	ND<0.99
n-Butylbenzene	500,000	1,000,000	14,000	ND<0.65	ND<0.51	ND<0.58	ND<0.60	ND<230	ND<140	ND<0.66	ND<0.53	ND<0.54	ND<0.48	ND<0.59	1.6
Trichloroethene	56,000	520,000	1,000	ND<0.65	ND<0.51	ND<0.58	ND<0.60	**49,000**	ND<140	ND<0.66	ND<0.53	ND<0.54	ND<0.48	ND<0.59	ND<0.49
SVOCs (µg/Kg)															
2-Methylnaphthalene	474,000	2,500,000	9,800	ND<170	ND<190	ND<180	190	ND<210	1,700	ND<200	ND<190	ND<180	ND<180	ND<190	ND<190
Acenaphthylene	1,000,000	2,500,000	84,000	830	ND<190	ND<180	ND<190	ND<210	ND<210	ND<200	ND<190	ND<180	ND<180	ND<190	ND<190
Anthracene	1,000,000	2,500,000	400,000	500	ND<190	ND<180	280	ND<210	ND<210	ND<200	ND<190	230	230	ND<190	ND<190
Benzo[a]anthracene	1,000	7,800	1,000	**5,900**	350	290	520	ND<210	ND<210	ND<200	ND<190	1,000	580	ND<190	ND<190
Benzo[a]pyrene	1,000	1,000	1,000	**7,100**	300	200	380	ND<210	ND<210	ND<200	ND<190	1,000	560	ND<190	ND<190
Benzo[b]fluoranthene	1,000	7,800	1,000	**8,900**	350	230	530	ND<210	260	ND<200	ND<190	**1,300**	680	ND<190	ND<190
Benzo[g,h,i]perylene	1,000,000	2,500,000	42,000	3,200	ND<190	ND<180	ND<190	ND<210	ND<210	ND<200	ND<190	550	210	ND<190	ND<190
Benzo[k]fluoranthene	8,400	78,000	1,000	**2,500**	210	ND<190	230	ND<220	ND<220	ND<220	ND<200	640	430	ND<200	ND<200
Chrysene	84,000	780,000	1,000	**5,700**	360	280	560	230	330	ND<200	ND<190	**1,100**	620	ND<190	ND<190
Dibenz(a,h)anthracene	1,000	1,000	1,000	**1,100**	ND<190	ND<180	ND<190	ND<210	ND<210	ND<200	ND<190	ND<180	ND<180	ND<190	ND<190
Fluoranthene	1,000,000	2,500,000	56,000	7,700	760	550	1,000	ND<210	600	ND<200	ND<190	1,800	1,300	ND<190	ND<190
Indeno[1,2,3-cd]pyrene	1,000	7,800	1,000	**3,000**	ND<380	ND<350	ND<380	ND<420	ND<410	ND<410	ND<380	520	ND<360	ND<380	ND<380
Naphthalene	1,000,000	2,500,000	56,000	370	ND<190	ND<180	270	ND<210	340	ND<200	ND<190	ND<180	ND<180	ND<190	ND<190
Phenanthrene	1,000,000	2,500,000	40,000	1,000	400	410	1,400	ND<210	730	ND<200	ND<190	1,000	1,000	ND<190	ND<190
Pyrene	1,000,000	2,500,000	40,000	6,900	580	360	1,000	ND<210	290	ND<200	ND<190	1,800	1,200	ND<190	ND<190
ETPH (mg/Kg)	500	2,500	2,500	460	19	27	150	**730**	**1,900**	16	20	150	44	**15,000**	41
Metals (mg/Kg)															
Antimony	27	8,200	-	-	ND<1.2	**55**	-	-	-	**150**	-	-	-	**180**	ND<0.66
Arsenic	10	10	-	-	3.2	**14**	-	-	-	**33**	-	-	-	**31**	5.1
Copper	2,500	76,000	-	-	77	1,100	-	-	-	**6,000**	-	-	-	**5,200**	29
Lead	400	1,000	-	**740**	84	**1,700**	**1,100**	79	-	**3,200**	240	99	59	**4,200**	8.9
SPLP Lead (mg/L)	-	-	0.15	**0.32**	-	-	ND<0.15	ND<0.15	-	-	0.037	ND<0.15	ND<0.15	-	-
SPLP Copper (mg/L)	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-
SPLP Antimony (mg/L)	-	-	0.06	-	-	-	-	-	-	-	-	-	-	-	-
SPLP Arsenic (mg/L)	-	-	0.1*	-	-	-	-	-	-	-	-	-	-	-	-

VOCs - Volatile Organic Compounds
SVOCs - Semi-Volatile Organic Compounds
ETPH - Extracable Total Petroleum Hydrocarbons
PCBs - Polychlorinated Biphenyls
SPLP - Synthetic Precipitation Leaching Procedure
µg/Kg - micrograms per Kilogram
mg/Kg - milligrams per Kilogram
CT RSRs - Connecticut Remediation Standard Regulations
RES DEC - Residential Direct Exposure Criteria
I/C DEC - Industrial / Commercial Direct Exposure Criteria
GB PMC - Pollutant Mobility Criteria

(*) Codified criterion for arsenic GWPC is 50 ug/l, but the revised Drinking Water Action Level is 10 ug/l, which also revises the GA PMC from 0.05 mg/kg to 0.01 mg/kg and the GB PMC from 0.5 mg/kg to 0.1 mg/kg, to be protective of human health.

Table 2
Soil Analytical Summary
Phase III ESA
116 Cook Avenue
Meriden, CT

Parameter	CT RSR Criteria			B-110	B-111 (1-2)	B-112 (2-3)	DUP-2 (B-112 (2-3))	B-113 (.5-1.5')	B-114 (2-3)	EB-1	EB-2	TB-1	TB-2	B-115 (2-3)	B-116 (1.5-3)
	RES DEC	I/C DEC	GB PMC		9/17/10	9/17/10	9/17/10	9/17/10	9/17/10	9/16/10	9/17/10	9/16/10	9/17/10	7/21/11	7/21/11
VOCs (µg/Kg)															
1,2,4-Trimethylbenzene	500,000	1,000,000	70,000	-	ND<0.59	ND<0.60	-	-	-	ND<1 ug/L	ND<1 ug/L	ND<1 ug/L	ND<1 ug/L	-	-
1,3,5-Trimethylbenzene	500,000	1,000,000	70,000	-	ND<0.59	ND<0.60	-	-	-	ND<1 ug/L	ND<1 ug/L	ND<1 ug/L	ND<1 ug/L	-	-
4-Isopropyltoluene	500,000	1,000,000	41,800	-	ND<0.59	ND<0.60	-	-	-	ND<1 ug/L	ND<1 ug/L	ND<1 ug/L	ND<1 ug/L	-	-
cis-1,2-Dichloroethene	500,000	1,000,000	14,000	-	ND<0.59	ND<0.60				ND<1 ug/L	ND<1 ug/L	ND<1 ug/L	ND<1 ug/L	-	-
Methylene Chloride	82,000	760,000	1,000	-	ND<2.4	ND<2.4	-	-	-	ND<2 ug/L	ND<2 ug/L	ND<2 ug/L	ND<2 ug/L	-	-
o-Xylene	500,000	1,000,000	19,500	-	ND<0.59	ND<0.60	-	-	-	ND<1 ug/L	ND<1 ug/L	ND<1 ug/L	ND<1 ug/L	-	-
m-Xylene & p-Xylene				-	ND<1.2	ND<1.2	-	-	-	ND<2 ug/L	ND<2 ug/L	ND<2 ug/L	ND<2 ug/L	-	-
n-Butylbenzene	500,000	1,000,000	14,000	-	ND<0.59	ND<0.60	-	-	-	ND<1 ug/L	ND<1 ug/L	ND<1 ug/L	ND<1 ug/L	-	-
Trichloroethene	56,000	520,000	1,000	-	ND<0.59	ND<0.60	-	-	-	ND<1 ug/L	ND<1 ug/L	ND<1 ug/L	ND<1 ug/L	-	-
SVOCs (µg/Kg)															
2-Methylnaphthalene	474,000	2,500,000	9,800	-	ND<200	ND<200	-	-	-	<4.5 ug/L	<4.5 ug/L	-	-	ND<190	ND<1,000
Acenaphthylene	1,000,000	2,500,000	84,000	-	ND<200	ND<200	-	-	-	<4.5 ug/L	<4.5 ug/L	-	-	ND<190	ND<1,000
Anthracene	1,000,000	2,500,000	400,000	-	ND<200	ND<200	-	-	-	<4.5 ug/L	<4.5 ug/L	-	-	ND<190	ND<1,000
Benzo[a]anthracene	1,000	7,800	1,000	-	ND<200	ND<200	-	-	-	<4.5 ug/L	<4.5 ug/L	-	-	240	1,000
Benzo[a]pyrene	1,000	1,000	1,000	-	ND<200	ND<200	-	-	-	<4.5 ug/L	<4.5 ug/L	-	-	260	ND<1,000
Benzo[b]fluoranthene	1,000	7,800	1,000	-	ND<200	ND<200	-	-	-	<4.5 ug/L	<4.5 ug/L	-	-	360	**1,600**
Benzo[g,h,i]perylene	1,000,000	2,500,000	42,000	-	ND<200	ND<200	-	-	-	<4.5 ug/L	<4.5 ug/L	-	-	190	ND<1,000
Benzo[k]fluoranthene	8,400	78,000	1,000	-	ND<210	ND<210	-	-	-	<4.5 ug/L	<4.5 ug/L	-	-	ND<210	ND<1,100
Chrysene	84,000	780,000	1,000	-	ND<200	ND<200	-	-	-	<4.5 ug/L	<4.5 ug/L	-	-	310	**1,500**
Dibenz(a,h)anthracene	1,000	1,000	1,000	-	ND<200	ND<200	-	-	-	<4.5 ug/L	<4.5 ug/L	-	-	ND<190	ND<1,000
Fluoranthene	1,000,000	2,500,000	56,000	-	ND<200	ND<200	-	-	-	<4.5 ug/L	<4.5 ug/L	-	-	530	2,100
Indeno[1,2,3-cd]pyrene	1,000	7,800	1,000	-	ND<390	ND<390	-	-	-	<4.5 ug/L	<4.5 ug/L	-	-	ND<390	ND<2,000
Naphthalene	1,000,000	2,500,000	56,000	-	ND<200	ND<200	-	-	-	<4.5 ug/L	<4.5 ug/L	-	-	ND<190	ND<1,000
Phenanthrene	1,000,000	2,500,000	40,000	-	ND<200	ND<200	-	-	-	<4.5 ug/L	<4.5 ug/L	-	-	340	1,600
Pyrene	1,000,000	2,500,000	40,000	-	ND<200	ND<200	-	-	-	<4.5 ug/L	<4.5 ug/L	-	-	510	2,000
ETPH (mg/Kg)	500	2,500	2,500		260	51	-	72	93	0.13 mg/L	0.1 mg/L	-	-	150	**520**
Metals (mg/Kg)															
Antimony	27	8,200	-	-	ND<0.61	ND<0.61	0.91	-	-	ND<6.0 ug/L	ND<6.0 ug/L	-	-	14	**35**
Arsenic	10	10	-	-	**12**	6.6	9.6	-	-	ND<10 ug/L	ND<10 ug/L	-	-	**11**	**22**
Copper	2,500	76,000	-	-	95	50	59	-	-	11 ug/L	91 ug/L	-	-	1,200	1,400
Lead	400	1,000	-	-	**930**	170	230	-	-	ND<6.0 ug/L	<5.0 ug/L	-	-	**550**	**1,000**
SPLP Lead (mg/L)	-	-	0.15	-	-	-	-	-	-	-	-	-	-	**0.62**	**0.3**
SPLP Copper (mg/L)	-	-	13	-	-	-	-	-	-	-	-	-	-	3.4	0.37
SPLP Antimony (mg/L)	-	-	0.06	-	-	-	-	-	-	-	-	-	-	0.023	0.032
SPLP Arsenic (mg/L)	-	-	0.1*	-	-	-	-	-	-	-	-	-	-	0.015	ND<0.015

VOCs - Volatile Organic Compounds
SVOCs - Semi-Volatile Organic Compounds
ETPH - Extracable Total Petroleum Hydrocarbons
PCBs - Polychlorinated Biphenyls
SPLP - Synthetic Precipitation Leaching Procedure
µg/Kg - micrograms per Kilogram
mg/Kg - milligrams per Kilogram
CT RSRs - Connecticut Remediation Standard Regulations
RES DEC - Residential Direct Exposure Criteria
I/C DEC - Industrial / Commercial Direct Exposure Criteria
GB PMC - Pollutant Mobility Criteria

(*) Codified criterion for arsenic GWPC is 50 ug/l, but the revised Drinking Water Action Level is 10 ug/l, which also revises the GA PMC from 0.05 mg/kg to 0.01 mg/kg and the GB PMC from 0.5 mg/kg to 0.1 mg/kg, to be protective of human health.

Table 2
Soil Analytical Summary
Phase III ESA
116 Cook Avenue
Meriden, CT

Parameter	CT RSR Criteria			B-117 (2.5-3.5)	B-118 (1-2)	B-119 (3-4)	B-120 (2.5-3.5)	B-121 (2.5-3.5)	B-122 (2-3)	B-123 (3-4)	B-124 (3-4)	B-125 (7-8)	B-126	HA-127 (0-1)	DUP-1 (HA-127)
	RES DEC	I/C DEC	GB PMC	7/21/11	7/21/11	7/21/11	7/21/11	7/21/11	7/21/11	7/21/11	7/21/11	7/21/11	8/25/11	8/25/11	8/25/11
VOCs (µg/Kg)															
1,2,4-Trimethylbenzene	500,000	1,000,000	70,000	-	-	-	-	-	-	-	-	-	-	ND<2.6	ND<4.1
1,3,5-Trimethylbenzene	500,000	1,000,000	70,000	-	-	-	-	-	-	-	-	-	-	ND<2.6	ND<4.1
4-Isopropyltoluene	500,000	1,000,000	41,800	-	-	-	-	-	-	-	-	-	-	3.5	4.4
cis-1,2-Dichloroethene	500,000	1,000,000	14,000	-	-	-	-	-	-	-	-	-	-	ND<2.6	ND<4.1
Methylene Chloride	82,000	760,000	1,000	-	-	-	-	-	-	-	-	-	-	11	ND<17
o-Xylene	500,000	1,000,000	19,500	-	-	-	-	-	-	-	-	-	-	ND<2.6	ND<4.1
m-Xylene & p-Xylene				-	-	-	-	-	-	-	-	-	-	ND<5.1	ND<8.3
n-Butylbenzene	500,000	1,000,000	14,000	-	-	-	-	-	-	-	-	-	-	ND<2.6	ND<4.1
Trichloroethene	56,000	520,000	1,000	-	-	-	-	-	-	-	-	-	-	ND<2.6	ND<4.1
SVOCs (µg/Kg)															
2-Methylnaphthalene	474,000	2,500,000	9,800	ND<940	ND<190	ND<930	ND<940	ND<920	ND<200	ND<190	ND<180	ND<200	-	ND<900	ND<890
Acenaphthylene	1,000,000	2,500,000	84,000	ND<940	ND<190	ND<930	ND<940	ND<920	ND<200	ND<190	ND<180	ND<200	-	ND<900	ND<890
Anthracene	1,000,000	2,500,000	400,000	ND<940	ND<190	970	ND<940	ND<920	ND<200	ND<190	ND<180	ND<200	-	ND<900	ND<890
Benzo[a]anthracene	1,000	7,800	1,000	**1,400**	370	**4,900**	ND<940	ND<920	ND<200	ND<190	230	ND<200	-	ND<900	ND<890
Benzo[a]pyrene	1,000	1,000	1,000	**1,700**	290	**4,900**	ND<940	ND<920	ND<200	ND<190	290	ND<200	-	ND<900	ND<890
Benzo[b]fluoranthene	1,000	7,800	1,000	**2,100**	470	**6,300**	ND<940	ND<920	ND<200	ND<190	400	ND<200	-	ND<900	ND<890
Benzo[g,h,i]perylene	1,000,000	2,500,000	42,000	1,300	210	3,500	ND<940	ND<920	ND<200	ND<190	ND<180	ND<200	-	ND<900	ND<890
Benzo[k]fluoranthene	8,400	78,000	1,000	ND<990	ND<200	**2,000**	ND<1,000	ND<980	ND<210	ND<200	ND<190	ND<220	-	ND<900	ND<950
Chrysene	84,000	780,000	1,000	**1,400**	450	**5,000**	ND<940	ND<920	ND<200	ND<190	220	ND<200	-	ND<900	ND<890
Dibenz(a,h)anthracene	1,000	1,000	1,000	ND<940	ND<190	**1,100**	ND<940	ND<920	ND<200	ND<190	ND<180	ND<200	-	ND<900	ND<890
Fluoranthene	1,000,000	2,500,000	56,000	2,300	590	8,400	ND<940	ND<920	230	ND<190	260	ND<200	-	1,500	1,100
Indeno[1,2,3-cd]pyrene	1,000	7,800	1,000	ND<1,900	ND<380	**3,400**	ND<1,900	ND<1,800	ND<400	ND<380	ND<350	ND<410	-	ND<1,800	ND<1,800
Naphthalene	1,000,000	2,500,000	56,000	ND<940	ND<190	ND<930	ND<940	ND<920	ND<200	ND<190	ND<180	ND<200	-	ND<900	ND<890
Phenanthrene	1,000,000	2,500,000	40,000	1,100	540	4,700	ND<940	ND<920	310	ND<190	ND<180	260	-	900	ND<890
Pyrene	1,000,000	2,500,000	40,000	2,400	480	7,700	1,200	ND<920	260	ND<190	350	ND<200	-	1,000	ND<890
ETPH (mg/Kg)	500	2,500	2,500	370	**540**	430	470	140	82	9.6	110	**3,500**	-	190	230
Metals (mg/Kg)															
Antimony	27	8,200	-	12	**63**	16	9.5	2.6	ND<1.4	ND<0.74	ND<0.69	ND<0.69	-	ND<0.64	ND<0.64
Arsenic	10	10	-	4.9	**17**	9.6	**15**	6.5	**14**	4.6	2.1	**11**	-	3.6	4.5
Copper	2,500	76,000	-	540	**8,500**	480	1,400	330	**4,400**	36	25	19	-	98	61
Lead	400	1,000	-	260	**1,700**	**630**	**660**	210	**1,400**	79	16	7.3	-	71	79
SPLP Lead (mg/L)	-	-	0.15	**1.6**	**4.4**	**1.7**	**0.42**	ND<0.015	**0.75**	0.024	**0.17**	ND<0.015	-	0.043	0.041
SPLP Copper (mg/L)	-	-	13	1.9	1.6	1.3	1.4	0.011	1.5	ND<0.01	0.073	0.057	-	0.068	0.063
SPLP Antimony (mg/L)	-	-	0.06	**0.33**	**0.61**	**0.1**	0.06	ND<0.015	0.043	ND<0.015	0.024	ND<0.015	-	ND<0.015	ND<0.015
SPLP Arsenic (mg/L)	-	-	0.1*	ND<0.015	0.034	0.02	ND<0.015	ND<0.015	ND<0.015	ND<0.015	ND<0.015	ND<0.015	-	ND<0.015	ND<0.015

VOCs - Volatile Organic Compounds
SVOCs - Semi-Volatile Organic Compounds
ETPH - Extracable Total Petroleum Hydrocarbons
PCBs - Polychlorinated Biphenyls
SPLP - Synthetic Precipitation Leaching Procedure
µg/Kg - micrograms per Kilogram
mg/Kg - milligrams per Kilogram
CT RSRs - Connecticut Remediation Standard Regulations
RES DEC - Residential Direct Exposure Criteria
I/C DEC - Industrial / Commercial Direct Exposure Criteria
GB PMC - Pollutant Mobility Criteria

(*) Codified criterion for arsenic GWPC is 50 ug/l, but the revised Drinking Water Action Level is 10 ug/l, which also revises the GA PMC from 0.05 mg/kg to 0.01 mg/kg and the GB PMC from 0.5 mg/kg to 0.1 mg/kg, to be protective of human health.

Table 2
Soil Analytical Summary
Phase III ESA
116 Cook Avenue
Meriden, CT

Parameter	CT RSR Criteria			B-128 (1-2)	B-128 (3)	B-128 (8)	B-129 (3.5-4.5)	B-129 (3)	B-129 (8)	HA-130 (2-3)	HA-131 (1-2)	TB-1	EB-1	EB-2
	RES DEC	I/C DEC	GB PMC	7/21/11	7/21/11	7/21/11	7/21/11	7/21/11	7/21/11	8/25/11	7/21/11	7/21/11	7/21/11	8/25/11
VOCs (µg/Kg)														
1,2,4-Trimethylbenzene	500,000	1,000,000	70,000	-	ND<2.6	ND<2.8	-	ND<4,900	ND<3.0	ND<1,900	-	ND<1.0	ND<1.0 ug/L	ND<1.0 ug/L
1,3,5-Trimethylbenzene	500,000	1,000,000	70,000	-	ND<2.6	ND<2.8	-	ND<4,900	ND<3.0	ND<1,900	-	ND<1.0	ND<1.0 ug/L	ND<1.0 ug/L
4-Isopropyltoluene	500,000	1,000,000	41,800	-	ND<2.6	ND<2.8	-	ND<4,900	ND<3.0	ND<1,900	-	ND<1.0	ND<1.0 ug/L	ND<1.0 ug/L
cis-1,2-Dichloroethene	500,000	1,000,000	14,000	-	ND<2.6	ND<2.8	-	ND<4,900	ND<3.0	ND<1,900	-	ND<1.0	ND<1.0 ug/L	ND<1.0 ug/L
Methylene Chloride	82,000	760,000	1,000	-	ND<10	ND<11	-	ND<19,000	ND<12	ND<7,400	-	ND<2.0	ND<2.0 ug/L	ND<2.0 ug/L
o-Xylene	500,000	1,000,000	19,500	-	ND<2.6	ND<2.8	-	ND<4,900	ND<3.0	ND<1,900	-	ND<1.0	ND<1.0 ug/L	ND<1.0 ug/L
m-Xylene & p-Xylene				-	ND<5.2	ND<5.6	-	ND<9,700	ND<6.0	ND<3,700	-	ND<2.0	ND<2.0 ug/L	ND<2.0 ug/L
n-Butylbenzene	500,000	1,000,000	14,000	-	ND<2.6	ND<2.8	-	ND<4,900	ND<3.0	ND<1,900	-	ND<1.0	ND<1.0 ug/L	ND<1.0 ug/L
Trichloroethene	56,000	520,000	1,000	-	4.5	7.6	-	**190,000**	42	**85,000**	-	ND<1.0	ND<1.0 ug/L	ND<1.0 ug/L
SVOCs (µg/Kg)														
2-Methylnaphthalene	474,000	2,500,000	9,800	ND<180	-	-	ND<1,000	-	-	ND<1,000	ND<950	-	ND<5.9 ug/L	ND<1.1 ug/L
Acenaphthylene	1,000,000	2,500,000	84,000	ND<180	-	-	ND<1,000	-	-	ND<1,000	ND<950	-	ND<5.9 ug/L	ND<0.33 ug/L
Anthracene	1,000,000	2,500,000	400,000	ND<180	-	-	ND<1,000	-	-	1,100	ND<950	-	ND<5.9 ug/L	ND<1.1 ug/L
Benzo[a]anthracene	1,000	7,800	1,000	ND<180	-	-	**1,100**	-	-	**5,200**	**2,400**	-	ND<5.9 ug/L	ND<0.33 ug/L
Benzo[a]pyrene	1,000	1,000	1,000	ND<180	-	-	**1,100**	-	-	**4,800**	**2,200**	-	ND<5.9 ug/L	ND<0.22 ug/L
Benzo[b]fluoranthene	1,000	7,800	1,000	ND<180	-	-	**1,500**	-	-	**6,600**	**2,900**	-	ND<5.9 ug/L	ND<0.33 ug/L
Benzo[g,h,i]perylene	1,000,000	2,500,000	42,000	ND<180	-	-	ND<1,000	-	-	2,700	ND<950	-	ND<5.9 ug/L	ND<0.56 ug/L
Benzo[k]fluoranthene	8,400	78,000	1,000	ND<190	-	-	ND<1,100	-	-	**3,400**	**1,500**	-	ND<5.9 ug/L	ND<0.33 ug/L
Chrysene	84,000	780,000	1,000	ND<180	-	-	**1,100**	-	-	**5,700**	**2,100**	-	ND<5.9 ug/L	ND<1.1 ug/L
Dibenz(a,h)anthracene	1,000	1,000	1,000	ND<180	-	-	ND<1,000	-	-	ND<1,000	ND<950	-	ND<5.9 ug/L	ND<0.56 ug/L
Fluoranthene	1,000,000	2,500,000	56,000	ND<180	-	-	2,000	-	-	9,900	4,400	-	ND<5.9 ug/L	ND<1.1 ug/L
Indeno[1,2,3-cd]pyrene	1,000	7,800	1,000	ND<360	-	-	ND<2,000	-	-	**2,700**	ND<1,900	-	ND<5.9 ug/L	ND<0.56 ug/L
Naphthalene	1,000,000	2,500,000	56,000	ND<180	-	-	ND<1,000	-	-	ND<1,000	ND<950	-	ND<5.9 ug/L	ND<1.1 ug/L
Phenanthrene	1,000,000	2,500,000	40,000	ND<180	-	-	1,500	-	-	5,100	2,700	-	ND<5.9 ug/L	ND<0.22 ug/L
Pyrene	1,000,000	2,500,000	40,000	ND<180	-	-	2,200	-	-	8,600	4,600	-	ND<5.9 ug/L	ND<5.6 ug/L
ETPH (mg/Kg)	500	2,500	2,500	34	-	-	330	-	-	**620**	260	-	ND<0.1 mg/L	ND<0.11 mg/L
Metals (mg/Kg)														
Antimony	27	8,200	-	4.8	-	-	ND<0.77	-	-	6.2	ND<0.71	-	ND<6.0 ug/L	ND<1.0 ug/L
Arsenic	10	10	-	3.7	-	-	**80**	-	-	7.7	**62**	-	ND<10 ug/L	ND<1.0 ug/L
Copper	2,500	76,000	-	240	-	-	120	-	-	1,700	280	-	ND<10 ug/L	ND<1.0 ug/L
Lead	400	1,000	-	120	-	-	130	-	-	180	140	-	ND<5.0 ug/L	ND<1.0 ug/L
SPLP Lead (mg/L)	-	-	0.15	**0.17**	-	-	0.061	-	-	0.025	0.13	-	-	-
SPLP Copper (mg/L)	-	-	13	0.25	-	-	0.11	-	-	0.45	0.66	-	-	-
SPLP Antimony (mg/L)	-	-	0.06	0.044	-	-	ND<0.015	-	-	ND<0.015	ND<0.015	-	-	-
SPLP Arsenic (mg/L)	-	-	0.1*	ND<0.015	-	-	0.024	-	-	ND<0.015	ND<0.015	-	-	-

VOCs - Volatile Organic Compounds
SVOCs - Semi-Volatile Organic Compounds
ETPH - Extracable Total Petroleum Hydrocarbons
PCBs - Polychlorinated Biphenyls
SPLP - Synthetic Precipitation Leaching Procedure
µg/Kg - micrograms per Kilogram
mg/Kg - milligrams per Kilogram
CT RSRs - Connecticut Remediation Standard Regulations
RES DEC - Residential Direct Exposure Criteria
I/C DEC - Industrial / Commercial Direct Exposure Criteria
GB PMC - Pollutant Mobility Criteria

(*) Codified criterion for arsenic GWPC is 50 ug/l, but the revised Drinking Water Action Level is 10 ug/l, which also revises the GA PMC from 0.05 mg/kg to 0.01 mg/kg and the GB PMC from 0.5 mg/kg to 0.1 mg/kg, to be protective of human health.

Table 3
Soil Vapor Analytical Summary
Phase III ESA
116 Cook Avenue
Meriden, CT

Parameter	CT RSR Criteria		SV-1	SV-2	DUP-1 (SV-2)	SV-3	SV-4	SV-5	SV-6
	RES SVVC	I/C SVVC	8/26/11	8/26/11	8/26/11	8/26/11	8/25/11	8/25/11	8/25/11
Helium (% Volume)	NA	NA	46	22	22	3.7	0.26	7.7	3.3
VOCs (ppm)									
1,1,1-Trichloroethane	1,310	4,520	ND<0.0002	ND<0.00068	ND<0.00057	0.0025	0.00066	ND<0.00065	ND<0.0004
1,2,4-Trimethylbenzene	NE	NE	0.0003	0.0011	0.00096	ND<0.00071	0.0013	0.0011	0.00075
1,3,5-Trimethylbenzene	NE	NE	ND<0.0002	ND<0.00068	ND<0.00057	ND<0.00071	0.00039	ND<0.00065	ND<0.0004
1,3-Dichlorobenzene	240	818	0.00047	0.0027	0.0016	0.0036	0.00041	ND<0.00065	ND<0.0004
Acetone	2,400	8,250	0.005	0.061	0.049	0.037	0.022	ND<0.016	0.011
Benzene	1	113	ND<0.0002	0.0092	0.0082	ND<0.00071	ND<0.0002	ND<0.00065	ND<0.0004
Carbon tetrachloride	1	2.7	ND<0.0002	ND<0.00068	ND<0.00057	0.011	0.00043	ND<0.00065	ND<0.0004
Chloroform	4.5	10.4	0.00059	ND<0.00068	ND<0.00057	0.062	0.0097	0.0023	0.00058
Dichlorodifluoromethane	NE	NE	ND<0.0005	ND<0.0017	ND<0.0014	ND<0.0018	0.0006	ND<0.0016	ND<0.001
Ethylbenzene	1,650	5,672	ND<0.0002	ND<0.00068	ND<0.00057	ND<0.00071	0.00033	ND<0.00065	ND<0.0004
m,p-Xylene	NE	NE	ND<0.0005	ND<0.0017	0.0014	ND<0.0018	0.0013	ND<0.0016	ND<0.001
Methyl Ethyl Ketone	2,400	8,285	0.0022	0.012	0.011	0.004	0.0059	ND<0.0016	ND<0.001
Methylene Chloride	1,200	2,907	ND<0.0005	ND<0.0017	ND<0.0014	ND<0.0018	0.00053	ND<0.0016	ND<0.001
Tetrachloroethene	11	27	ND<0.0002	ND<0.00068	ND<0.00057	ND<0.00071	0.0017	0.00099	ND<0.0004
Toluene	760	2,615	0.0016	0.0017	0.0016	0.001	0.0015	0.0077	ND<0.0004
Trichloroethene	7	16	ND<0.0002	ND<0.00068	ND<0.00057	0.03	0.019	0.068	0.041
Trichlorofluoromethane	NE	NE	0.00024	ND<0.00068	ND<0.00057	ND<0.00071	0.00053	ND<0.00065	ND<0.0004
Xylene, o-	NE	NE	ND<0.0002	0.00068	0.00063	ND<0.00071	0.0007	ND<0.00065	ND<0.0004
Xylene (total)	500	1,702	0.00032	0.0022	0.002	0.0012	0.002	0.0014	0.00083

VOCs - Volatile Organic Compounds
CT RSRs - Connecticut Remediation Standard Regulations
RES SVVC - Residential Soil Vapor Volatilization Criteria
I/C SVVC - Industrial Commercial Soil Vapor Volatilization Criteria
ppm - parts per million by volume
NA - Not Applicable
NE - Not Established

Table 4
Summary of Groundwater Analytical Data
Phase III ESA
116 Cook Avenue
Meriden, CT

Parameter	CT RSR Criteria			MW-100	MW-101	MW-102	MW-103	DUP-1 (MW-103)	MW-104	EB-1	EB-2	TB-1	TB-2	Off-Site Monitoring Wells: 85 Cooper St MW-200	Factory H AOC-11 SB/MW-1	Factory H DUP-1 (AOC-11 SB/MW-1)	TB-1
	RES GWVC	I/C GWVC	SWPC	9/29/10	9/29/10	9/30/10	9/29/10	9/29/10	9/29/10	9/29/10	9/30/10	9/29/10	9/30/10	8/23/11	8/24/11	8/24/11	8/24/11
Depth to Groundwater				7.0	4.3	5.6	6.6	6.6	6.5	-	-	-	-	6.7	9.2	9.2	-
VOCs (µg/L)																	
1,2,4-Trimethylbenzene	-	-	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	12	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	ND<1.0	ND<1.0
1,3,5-Trimethylbenzene	-	-	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	5.1	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	ND<1.0	ND<1.0
4-Isopropyltoluene	-	-	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	120	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	ND<1.0	ND<1.0
cis-1,2-Dichloroethene	-	-	-	28	ND<1.0	ND<1.0	35	33	3.6	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	ND<1.0	ND<1.0
Ethylbenzene	50,000	50,000	580,000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	5.1	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	ND<1.0	ND<1.0
Isopropylbenzene	-	-	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	ND<1.0	ND<1.0
Methyl tert-butyl ether	50,000	50,000	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.1	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	ND<1.0	ND<1.0
n-Butylbenzene	-	-	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.6	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	ND<1.0	ND<1.0
N-Propylbenzene	-	-	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.7	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	ND<1.0	ND<1.0
m-Xylene & p-Xylene	21,300	50,000	-	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	25	ND<2.0	ND<2.0	ND<2.0	ND<2.0	-	ND<2.0	ND<2.0	ND<2.0
o-Xylene				ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	7.6	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	ND<1.0	ND<1.0
sec-Butylbenzene	-	-	-	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.6	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	ND<1.0	ND<1.0
Tetrachloroethene	-	-	88	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.3	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	ND<1.0	ND<1.0
trans-1,2-Dichloroethene	-	-	-	1.9	ND<1.0	ND<1.0	12	11	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	ND<1.0	ND<1.0
Trichloroethene	219	540	2,340	ND<1.0	ND<1.0	ND<1.0	2.6	2.6	2.1	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	ND<1.0	ND<1.0	ND<1.0
Vinyl chloride	2	2	15,750	**3.6**	ND<0.50	ND<0.50	**3.9**	**3.7**	1.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	-	ND<0.5	ND<0.5	ND<0.5
SVOCs (µg/L)																	
2-Methylnaphthalene	-	-	-	ND<0.91	ND<0.91	ND<0.91	ND<0.91	ND<0.91	3.4	ND<0.91	ND<0.91	-	-	-	ND<0.98	ND<1.0	-
Dibenz(a,h)anthracene	-	-	-	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45	ND<0.45	-	-	-	0.54	ND<0.52	-
Naphthalene	-	-	-	ND<0.91	ND<0.91	ND<0.91	ND<0.91	ND<0.91	3.0	ND<0.91	ND<0.91	-	-	-	ND<0.98	ND<1.0	-
Phenanthrene	-	-	0.077	ND<0.18	ND<0.18	ND<0.18	ND<0.18	ND<0.18	**1.4**	ND<0.18	ND<0.18	-	-	-	ND<0.2	ND<0.21	-
Metals (µg/L)																	
Antimony	-	-	86,000	ND<6.0	ND<6.0	ND<6.0	ND<6.0	ND<6.0	ND<6.0	ND<6.0	ND<6.0	-	-	92	ND<1.0	ND<1.0	-
Arsenic	-	-	4.0	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	-	-	**40**	ND<1.0	1.0	-
Barium	-	-	-	170	210	260	180	180	200	ND<10	ND<10	-	-	-	-	-	-
Beryllium	-	-	4.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	-	-	-	-	-
Cadmium	-	-	6.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	-	-	-	-	-
Chromium	-	-	-	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	-	-	-	-	-
Copper	-	-	48	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	-	-	7.4	16	15	-
Lead	-	-	13	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	-	ND<1.0	ND<1.0	ND<1.0	-
Nickel	-	-	880	ND<10	20	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	-	-	-	-	-	-
Selenium	-	-	50	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	-	-	-	-	-	-
Silver	-	-	12	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	-	-	-	-	-	-
Vanadium	-	-	-	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	-	-	-	-	-	-
Zinc	-	-	123	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	-	-	-	-	-	-
Thallium	-	-	63	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	-	-	-	-	-	-
Mercury	-	-	0.4	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	ND<0.20	-	-	-	-	-	-

In accordance with the CTDEP Notice dated April 9, 2010 regarding the 2003 draft revisions to the Connecticut Remediation Standard Regulations (RSRs) Volatilization Criteria, the numeric criteria promulgated in the January, 1996 RSRs have been utilized for comparison purposes.
ND - Not Detected to the indicated limit.
"-" - Criteria not established or parameter not analyzed
Bold and Boxed Text - Concentration exceeds at least one indicated RSR criteria.
VOCs - Volatile Organic Compounds via EPA Method 8260.
SVOCs - Semi-Volatile Organic Compounds via EPA Method 8270.
µg/L - Micrograms per liter

Table 5
Data Usability Analysis
Phase III ESA
116 Cook Avenue, Meriden, CT
Meriden, CT

Lab ID	Sample ID	Compound	QC Outlier	Issue	Bias	Result	DUE Considerations
Soil							
360-35298-14	B-129 (3)	VOCs	10x Dilution	Dilution to bring high concentration compounds within calibration range	RLs	Varies	Possible Exceedances of VOCs due to elevated RLs
360-35974-2	HA-130 (2-3)		5x Dilution				
360-35974-1	HA-127 (2-3)	Methylene Chloride	Laboratory Contamination	Laboratory Contamination	High	11 ug/Kg	Result believed to be due to laboratory contamination
360-30180-7	B-116 (1.5-3)	PAHs	5x Dilution	Dark, Black Color	RLs	Varies	Possible Exceedances of PAHs due to elevated RLs
360-30180-8	B-117 (2.5-3.5)						
360-30180-4	B-119 (3-4)						
360-30180-6	B-120 (2.5-3.5)						
360-30197-1	B-121 (2.5-3.5)						
360-30197-4	HA-131 (1-2)						
360-30197-7	HA-127 (2-3)						
360-30180-1	HA-130 (2-3)						
360-30180-7	B-116 (1.5-3)	ETPH	10x Dilution	Dark, Black Color	RLs	Varies	Possible exceedances of ETPH due to reduced sensitivity of results
360-30180-8	B-117 (2.5-3.5)						
360-30180-4	B-119 (3-4)						
360-30180-6	B-120 (2.5-3.5)						
360-30197-1	B-121 (2.5-3.5)						
360-35298-10	B-124 (3-4)						
360-35298-11	B-125 (7-8)						
360-30197-4	HA-131 (1-2)						
360-35298-13	B-129 (3.5-4.5)						
360-30197-7	HA-127 (2-3)		5x Dilution	Dilution to bring high concentration compounds within calibration range			
360-30180-1	HA-130 (2-3)						
360-35974-3	DUP-1						
360-35298-1	B-115 (2-3)	Antimony	MS Criteria Low	Lab Problem	Low	14 mg/Kg	Possible exceedance of Antimony due to low bias
		Copper	Relative Percent Difference Exceedance for Duplicate	Lab or Matrix Problem	Varies	Sample: 1,200 mg/Kg Duplicate 3,670 mg/Kg	Possible reduced accuracy, LCS within control limits
Soil Vapor							
200-6751-1	SV-2	Acetone	3x Dilution	Dilution to bring high concentration compounds within calibration range	RLs	Varies	Possible reduced accuracy
200-6751-1	SV-3	Chloroform	4x Dilution				
200-6751-1	SV-5	Trichloroethylene	3x Dilution				
200-6751-1	SV-6	Trichloroethylene	2x Dilution				
200-6751-1	DUP-1	Acetone	3x Dilution				
Groundwater							
		Dichlorodifluoromethane	LCS recovery low	Poorly Performing Compound	non-directional	ND in samples, RSR criteria not established for parameter	Possible reduced accuracy
		Carbon disulfide	LCS recovery high	Lab Issue	non-directional	ND in samples, RSR criteria not established for parameter	

TABLE 6
Conceptual Site Model
Phase III ESA
116 Cook Avenue
Meriden, CT

REC ID	REC Description	Potential COCs	Confirmed COCs	Potential Release Mechanisms and Pathways	Potential Receptors	Staus	Sampling Locations		
							Soil Borings	Soil Vapor Points	Monitoring Wells
4	Urban Fill	VOCs. PAHs, ETPH, metals, cyanide, PCBs	PAHs, ETPH, metals, cyanide	Deposition of industrial-impacted fill materials. Overland flow and migration to groundwater.	Direct Human Contact Ecological Resources	Remediation or Engineered Control Needed	B-101, B-102, B-105, B-108, B-111, B-112, B-115-B-125, HA-131	-	-
6	On- Site Soil	VOCs. PAHs, ETPH, metals, cyanide, PCBs	PAHs, ETPH, metals, cyanide	Deposition of industrial-impacted fill materials. Overland flow and migration to groundwater.	Direct Human Contact Ecological Resources	Remediation or Engineered Control Needed	B-100, B-103, B-106, B-107, B-115-B-125, HA-131	-	-
5	Former medical office	Radiological	None	None	None	Closed	N/A	NA	N/A
7	On-Site groundwater	VOCs. PAHs, metals	VOCs, PAHs, metals	Leaking from fill materials and impacted soil. Vapor migration	Direct Human Contact through Inhalation Ecological Resources	Additional investigation needed	-	SV-1, SV-2, SV-3, SV-4, SV-5	MW-100, MW-101, MW-102, MW-103, MW-104
8	Off-Site Groundwater	VOCs. PAHs, metals	Metals	None Identified	Ecological Resources	Additional investigation needed	-	SV-1, SV-2, SV-3, SV-4, SV-5	MW-100, MW-101, MW-102, MW-103, MW-104
10	10,000 Gallon heating Oil South of Wing C	VOCs, PAHs, ETPH	VOCs, PAHs, ETPH	Over filling or tank leak. Migration to groundwater	Direct Human Contact Ecological Resources	Additional investigation needed	B-104, HA-127, B-128, B-129, HA-130	-	MW-104, AOC-11 SB/MW-1, MW-200
11	Historical Use of Site	VOCs. PAHs, ETPH, metals, cyanide, PCBs	VOCs, PAHs, ETPH, metals, cyanide	Spilliage on ground surface. Leaking from impacted soil to groundwater. Vapor migration	Direct Human Contact Ecological Resources	Remediation or Engineered Control Needed	B-101, B-102, B-105, B-108, B-111, B-112, B-115-B-125, HA-131	-	-
12	Staining on concrete floor in elevator Mechanical Room(Wing C)	ETPH, PCBs	None	None	None	Closed	B-113	SV-6	-
13	Transformer Pad	PCBs	None	None	None	Closed	B-110	-	-
14	Generator	ETPH	None	None	None	Closed	B-114	-	-

Modified from AECOM Phase I ESA, November 2009
Same wells/samples will be used for RECs 7 & 8
Same boring/samples will be used for RECs 4 & 11
N/A - Not Applicable

Tighe&Bond

APPENDIX C

Tighe&Bond
Consulting Engineers
Middletown, Connecticut

Boring No. **B-100 / MW-100**
Page 1 of 1
File No. 22-08171
Checked by: JTO

Project: 116 Cook Avenue
Location: 116 Cook Avenue, Meriden, CT
Client: City of Meriden, CT

Drilling Co Glacier Drilling
Foreman: Terry and Mike
T&B Rep.: MMS
Date Start 09/16/10 End: 09/16/10
Location See Site Location Plan
GS. Elev. Datum:

	Casing	Sampler
Type	HSA	Macrocore
I.D./O.D.	4.25" / 8"	1.5"
Hammer Wt.		
Hammer Fall		
Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/16/10	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	31.6	S1 / 32	0-5	5	S1: Top 12" - Brown, SILT, some fine Sand, moist Bottom 20" - Black-red, SILTY CLAY, little Cobbles, moist	**Silt**		Concrete Flush Road Box
				15		**Silty Clay**		2" PVC Riser from 0-4'
				21				
				14				
				7				2" PVC Screen from 4-14'
5	32	S2 / 44	5-10	7	S2: Top 17" - Brown-orange, CLAYEY SILT, moist Middle 20" - Brown, SILT and medium to coarse SAND, little Gravel, wet Bottom 7" - Black GRAVEL and COBBLES, wet	**Clayey Silt**		
				4		**Silt and Sand**		
				10				
				14		**Gravel and Cobbles**		
				32				
10	27.5	S3 / 39	10-15	12	S3: Top 12" - Black GRAVEL and COBBLES, wet Bottom 27" - Red-brown SILT and CLAY, wet			Sand Pack from 3-14'
				10		**Silt and Clay**		
				9				Bottom of Well at 14'
				18				
				18				
15					Bottom of Exploration at 15'			
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 8 ft. below ground surface.

Tighe&Bond
Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue
Location: 116 Cook Avenue, Meriden, CT
Client: City of Meriden, CT

Boring No. **B-101 / MW-101**
Page 1 of 1
File No. 22-08171
Checked by: JTO

Drilling Co Glacier Drilling
Foreman: Terry and Mike
T&B Rep.: MMS
Date Start 09/16/10 End: 09/16/10
Location See Site Location Plan
GS. Elev. Datum:

	Casing	Sampler
Type	HSA	Macrocore
I.D./O.D.	4.25" / 8"	1.5"
Hammer Wt.		
Hammer Fall		
Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/16/10	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	S1 / 36	0-5	8	S1: Top 8" - Black, Asphalt pieces and coarse Sand, little Gravel, moist	**Asphalt**		Concrete Flush Road Box
				9	Middle 16" - Red-brown, fine to medium SAND, some Silt, little Gravel, moist	**Sand**		2" PVC Riser from 0-3'
				9	Bottom 12" - Light brown, SILT, little fine Sand, moist			
				6				
				5		**Silt**		
5	0.0	S2 / 32	5-10	3	S2: Top 9" - Brown, CLAYEY SILT, little Gravel, very moist	**Clayey Silt**		2" PVC Screen from 3-13'
				3	Bottom 23" - Brown, SILT and GRAVEL, wet			
				6		**Silt and Gravel**		
				9				
	15.2			14				
10					Bottom of Exploration at 10' Set monitoring well at 13'			Sand Pack from 2-13'
								Bottom of Well at 13'
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 7 ft. below ground surface.

Tighe&Bond
Consulting Engineers
Middletown, Connecticut

Boring No. **B-102 / MW-102**
Page 1 of 1
File No. 22-08171
Checked by: JTO

Project: 116 Cook Avenue
Location: 116 Cook Avenue, Meriden, CT
Client: City of Meriden, CT

Drilling Co Glacier Drilling
Foreman: Terry and Mike
T&B Rep.: MMS
Date Start 09/16/10 End: 09/16/10
Location See Site Location Plan
GS. Elev. Datum:

	Casing	Sampler
Type	HSA	Macrocore
I.D./O.D.	4.25" / 8"	1.5"
Hammer Wt.		
Hammer Fall		
Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/16/10	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	S1 / 36	0-5	7	S1: Top 6" - Brown fine to medium SAND, little Silt, trace Gravel, moist Middle 21" - Black-red-brown-white, FILL MATERIAL (ash layer is 4" thick 22" from surface), moist Bottom 9" - Brown-red medium to coarse SAND, little Silt, little Gravel, moist	**Sand**		Concrete Flush Road Box
	32			20		**Fill Material**		2" PVC Riser from 0-4'
	15.2			24				
	0.0			16				
	0.0			10		**Sand**		2" PVC Screen from 4-14'
5	0.0	S2 / 40	5-10	21	S2: Top 2" - Brown-red, medium to coarse SAND, little Silt, little Gravel, moist Middle 19" - Brown-gray, CLAY, little Silt, moist Bottom 19" - Brown-red-gray, SILTY CLAY, 2" thick layers of coarse Sand and Gravel every 6", wet			
				5		**Clay**		
				8				
				9				
	15.2			17		**Silty Clay**		
10					Bottom of Exploration at 10' Set monitoring well at 14'			Sand Pack from 3-14'
								Bottom of Well at 14'
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 8 ft. below ground surface.

Tighe&Bond
Consulting Engineers
Middletown, Connecticut

Boring No. **B-103 / MW-103**
Page 1 of 1
File No. 22-08171
Checked by: JTO

Project: 116 Cook Avenue
Location: 116 Cook Avenue, Meriden, CT
Client: City of Meriden, CT

Drilling Co Glacier Drilling
Foreman: Terry and Mike
T&B Rep.: MMS
Date Start 09/16/10 End: 09/16/10
Location See Site Location Plan
GS. Elev. Datum:

	Casing	Sampler
Type	HSA	Macrocore
I.D./O.D.	4.25" / 8"	1.5"
Hammer Wt.		
Hammer Fall		
Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/16/10	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	41.7	S1 / 41	0-5	12	S1: Top 9" - Brown-red, medium to coarse SAND and SILT, moist	**Sand and Silt**		Concrete Flush Road Box
				23	Middle 12" - Black-brown, medium to coarse SAND, some Gravel, moist	**Sand**		
				15	Bottom 22" - Brown-gray SILTY CLAY, moist			2" PVC Riser from 0-4'
				5		**Silty Clay**		
				13				
5	42.2	S2 / 38	5-10	7	S2: Top 21" - Brown-gray CLAY, moist			2" PVC Screen from 4-14'
				5	Bottom 17" - Gray-brown, fine to coarse SAND and SILT and GRAVEL, wet	**Clay**		
				9				
				13		**Sand and Silt**		
	41.5			12				
10					Bottom of Exploration at 10' Set monitoring well at 14'			Sand Pack from 3-14'
								Bottom of Well at 14'
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 8.5 ft. below ground surface.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Boring No. **B-104 / MW-104**
Page 1 of 1
File No. 22-08171
Checked by: JTO

Project: 116 Cook Avenue
Location: 116 Cook Avenue, Meriden, CT
Client: City of Meriden, CT

Drilling Co.: Glacier Drilling
Foreman: Terry and Mike
T&B Rep.: MMS
Date Start: 09/16/10 End: 09/16/10
Location See Site Location Plan
GS. Elev. Datum:

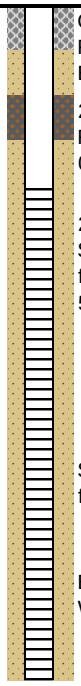
	Casing	Sampler
Type	HSA	Macrocore
I.D./O.D.	4.25" / 8"	1.5"
Hammer Wt.		
Hammer Fall		
Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/16/10	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes
	0.0	S1 / 36	0-5	12	S1: Top 2" - Brown, medium SAND and SILT, moist Middle 30" - FILL MATERIAL - ASH, some Silt, moist Bottom 4" - Red-brown SILTY CLAY, moist	**Sand and Silt**	
				10		**Ash Layer**	
				4			
				4			
				3		**Silty Clay**	
5	0.0	S2 / 38	5-10	8	S2: Top 7" - Brown SILT, some Clay, trace Gravel, moist Middle 8" - Red BRICK and CLAY, wet Bottom 12" - Black CLAYEY SILT, wet	**Silt**	
				7			
				5		**Brick and Clay**	
				4			
				4		**Clayey Silt**	
10					Bottom of Exploration at 10' Set monitoring well at 15'		
15							
20							
25							
30							

Well Construction



Notes:
1. Groundwater encountered during drilling at approximately 8.5 -9 ft. below ground surface.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue
Location: 116 Cook Avenue, Meriden, CT
Client: City of Meriden, CT

Boring No. **B-105**
Page 1 of 1
File No. 22-08171
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Glacier Drilling			
Foreman:	Terry and Mike	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	09/17/10 End: 09/17/10	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/17/10	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	1.6	S1 / 52	0-5		S1: Top 16" - Black, medium to coarse SAND, some Silt, trace Rock Fragments, moist Middle 20" - White-black, ASH, moist Bottom 16" - Brown, CLAYEY SILT, little medium to coarse Sand, wet	**Sand**		Monitoring Well not Constructed
	4.7					**Ash**		
						Clayey Silt		
5	0.0	S2 / 42	5-10		S2: Top 11" - Brown, CLAYEY SILT, little medium to coarse Sand, wet Middle 3" - Brown, WOOD CHIPS, wet Middle 10" - Gray-brown, CLAYEY SILT, wet Bottom 18" - Dark brown, coarse SAND and GRAVEL, some Silt, wet			
						Wood Chips		
	1.6					**Clayey Silt**		
						Sand and Gravel		
10					Bottom of Exploration at 10'			
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 4 ft. below ground surface.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue
Location: 116 Cook Avenue, Meriden, CT
Client: City of Meriden, CT

Boring No. **B-106**
Page 1 of 1
File No. 22-08171
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Glacier Drilling	Type	GeoProbe	Macrocore
Foreman:	Terry and Mike	I.D./O.D.		1.5"
T&B Rep.:	MMS	Hammer Wt.		
Date Start:	09/17/10 End: 09/17/10	Hammer Fall		
Location	See Site Location Plan	Other		
GS. Elev.	Datum:			

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/17/10	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
		S1 / 40	0-5		S1: Top 6" - Asphalt Middle 20" - Red, medium to coarse SAND, moist Middle 9" - Brown-white, SILT and FILL MATERIAL (ash and wood chips), moist Bottom 9" - Red-brown, fine SAND and SILT, little Clay, moist	**Sand**		Monitoring Well not Constructed
	0.2							
	7.2					**Silty Clay**		
5	0.0	S2 / 47	5-10		S2: Top 12" - Dark brown, fine SAND and SILT, little Clay, race Fill Material (glass and ash) moist Bottom 24" - Brown, coarse SAND and GRAVEL, some Silt, wet			
						Silt		
						Sand and Gravel		
10					Bottom of Exploration at 10'			
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 6 ft. below ground surface.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue
Location: 116 Cook Avenue, Meriden, CT
Client: City of Meriden, CT

Boring No. **B-107**
Page 1 of 1
File No. 22-08171
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Glacier Drilling			
Foreman:	Terry and Mike	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	09/17/10 End: 09/17/10	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/17/10	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
		S1 / 40	0-5		S1: Top 5" - Asphalt Middle 25" - Red, medium to coarse SAND, some Silt, trace Gravel, moist Bottom 10" - Red-brown, SILTY CLAY, very moist	**Sand**		Monitoring Well not Constructed
	4.2							
						Silty Clay		
	0.3							
5	0.0	S2 / 47	5-10		S2: Top 6" - Red-brown, SILTY CLAY, very moist Middle 13" - Brown, SILTY CLAY, wet Middle 4" - Brown, SILT, wet Bottom 24" - Dark brown, medium to coarse SAND and GRAVEL, some Silt, wet			
						Silt		
						Sand and Gravel		
10					Bottom of Exploration at 10'			
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 6 ft. below ground surface.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue
Location: 116 Cook Avenue, Meriden, CT
Client: City of Meriden, CT

Boring No. **B-108**
Page 1 of 1
File No. 22-08171
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Glacier Drilling			
Foreman:	Terry and Mike	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	09/17/10 End: 09/17/10	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/17/10	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	9.0	S1 / 50	0-5		S1: Top 17" - Black-brown, coarse SAND, some fine to medium Sand, little Silt, little Rock Fragments, moist Middle 12" - Red, fine to medium SAND, little Silt, moist Bottom 22" - Brown, CLAYEY SILT, trace medium to coarse Sand, moist	**Sand**		Monitoring Well not Constructed
	8.5					**Clayey Silt**		
	5.4							
5	2.6	S2 / 46	5-10		S2: Top 6" - Gray, SILT, wet Middle 24" - Brown, coarse SAND and GRAVEL, some fine to medium Sand, some Silt, wet Bottom 16" - Red-brown SILT, wet Bottom 12" - Black CLAYEY SILT, wet	**Silt**		
						Sand and Gravel		
						Silt		
						Clayey Silt		
10					Bottom of Exploration at 10'			
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 6 ft. below ground surface.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue
Location: 116 Cook Avenue, Meriden, CT
Client: City of Meriden, CT

Boring No. **B-109**
Page 1 of 1
File No. 22-08171
Checked by: JTO

Drilling Co.: Glacier Drilling
Foreman: Terry and Mike
T&B Rep.: MMS
Date Start: 09/17/10 End: 09/17/10
Location See Site Location Plan
GS. Elev. Datum:

	Casing	Sampler
Type	GeoProbe	Macrocore
I.D./O.D.		1.5"
Hammer Wt.		
Hammer Fall		
Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/17/10	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	S1 / 46	0-5		S1: Top 2" - Asphalt Middle 9" - Black, coarse SAND, little Silt, little Ash, moist Middle 7" - Tan-brown CLAY, moist Middle 7" - Red-brown, coarse SAND and GRAVEL, trace Silt, moist Bottom 21" - Brown-tan, CLAY, moist	**Sand**		Monitoring Well not Constructed
						Clay		
						Sand and Gravel		
						Clay		
5								
		S2 / 42	5-10		S2: Top 4" - Brown-tan CLAY, moist Middle 2" - Black, coarse SAND, moist Middle 26" - Gray, CLAY, moist to wet Bottom 18" - Dark red-brown, coarse SAND and GRAVEL	**Sand**		
	14					**Clay**		
						Sand and Gravel		
	140							
10								
	5.3	S3 / 46	10-15		S3: Red-brown, CLAYEY SILT, wet	**Clayey Silt**		
15					Bottom of Exploration at 15'			
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 6 ft. below ground surface.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Boring No. **B-110**
Page 1 of 1
File No. 22-08171
Checked by: JTO

Project: 116 Cook Avenue
Location: 116 Cook Avenue, Meriden, CT
Client: City of Meriden, CT

Drilling Co.: Tighe & Bond
Foreman: MMS
T&B Rep.: MMS
Date Start: 09/17/10 End: 09/17/10
Location See Site Location Plan
GS. Elev. Datum:

	Casing	Sampler
Type		Soil Scoop
I.D./O.D.		
Hammer Wt.		
Hammer Fall		
Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/17/10	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	HA-1	0-0.5		S1: Brown, fine SAND and SILT, moist	**Sand and Silt**		Monitoring Well not Constructed
					Bottom of Exploration at 0.5'			
5								
10								
15								
20								
25								
30								

Notes:
1. Groundwaterwas not encountered during drilling.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue
Location: 116 Cook Avenue, Meriden, CT
Client: City of Meriden, CT

Boring No. **B-111**
Page 1 of 1
File No. 22-08171
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Glacier Drilling			
Foreman:	Terry and Mike	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	09/17/10 End: 09/17/10	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/17/10	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
		S1 / 40	0-5		S1: Top 4" - Asphalt Middle 20" - Brown, SILT and FILL MATERIAL (Glass, Wood Chips, Ash), moist Bottom 16" - Red-brown, SILT, some fine Sand, moist	**Asphalt**		Monitoring Well not Constructed
	23.2					**Silt and Fill Material**		
						Silt		
5		S2 / 49	5-10		S2: Top 4" - Brown, coarse SAND, some Silt, moist Middle 23" - Gray, CLAY, wet Bottom 22" - Brown, coarse SAND and GRAVEL, wet	**Sand**		
	0.0					**Clay**		
						Sand and Gravel		
	15							
10					Bottom of Exploration at 10'			
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling between 5.5 and 9.5 ft. below ground surface.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue
Location: 116 Cook Avenue, Meriden, CT
Client: City of Meriden, CT

Boring No. **B-112**
Page 1 of 1
File No. 22-08171
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Glacier Drilling	Type	GeoProbe	Macrocore
Foreman:	Terry and Mike	I.D./O.D.		1.5"
T&B Rep.:	MMS	Hammer Wt.		
Date Start:	09/17/10 End: 09/17/10	Hammer Fall		
Location	See Site Location Plan	Other		
GS. Elev.	Datum:			

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/17/10	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
		S1 / 29	0-5		S1: Top 4" - Asphalt Middle 2" - Concrete Middle 20" - Red-brown, medium to coarse SAND, some Fill Material (Wood Chips), moist Bottom 3" - Dark brown, fine SAND and SILT, moist	**Asphalt**		Monitoring Well not Constructed
						Sand		
	8.4							
5	0.0	S2 / 9	5-10		S2: Top 4" - Dark brown, fine SAND and SILT, moist Bottom 5" - Brown, SILT and fine SAND, wet			
						Silt and Sand		
10					Bottom of Exploration at 10'			
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling between 5.5 and 9.5 ft. below ground surface.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Boring No. **B-113**
Page 1 of 1
File No. 22-08171
Checked by: JTO

Project: 116 Cook Avenue
Location: 116 Cook Avenue, Meriden, CT
Client: City of Meriden, CT

Drilling Co.: Glacier Drilling
Foreman: Mike
T&B Rep.: MMS
Date Start: 09/17/10 End: 09/17/10
Location See Site Location Plan
GS. Elev. Datum:

	Casing	Sampler
Type		Hand Auger
I.D./O.D.		3"
Hammer Wt.		
Hammer Fall		
Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/17/10	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	HA-1	0-1.5		S1: Top 6" - CONCRETE Bottom 12" - Dark brown, medium to coarse SAND, little Silt, moist	**Concrete**		Monitoring Well not Constructed
	0.0	HA-2	1.5-2.5		S2: - Dark brown, medium to coarse SAND, some Silt, little Clay, moist	**Sand**		
	0.0	HA-3	2-3		Bottom of Exploration at 2.5'			
5								
10								
15								
20								
25								
30								

Notes:
1. Groundwaterwas not encountered during drilling.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Boring No. **B-114**
Page 1 of 1
File No. 22-08171
Checked by: JTO

Project: 116 Cook Avenue
Location: 116 Cook Avenue, Meriden, CT
Client: City of Meriden, CT

Drilling Co.: Glacier Drilling
Foreman: Mike
T&B Rep.: MMS
Date Start: 09/17/10 End: 09/17/10
Location See Site Location Plan
GS. Elev. Datum:

	Casing	Sampler
Type		Hand Auger
I.D./O.D.		3"
Hammer Wt.		
Hammer Fall		
Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/17/10	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	HA-1	0-1		S1: Red-brown, fine to medium SAND, some Silt, moist	**Sand**		Monitoring Well not Constructed
	0.0	HA-2	1-2		S2: Red, medium to coarse SAND, moist			
	0.0	HA-3	2-3		S3: Red-brown, fine to coarse SAND and BRCIK FRAGMENTS, litle Silt, moist			
					Hand auger refusal at 3' - brick and concrete			
5								
10								
15								
20								
25								
30								

Notes:
1. Groundwaterwas not encountered during drilling.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Boring No. **B-115**
Page 1 of 1
File No. 22-08173
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Logical Environmental Solutions			
Foreman:	Cindy and Wayne	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	07/21/11 End: 07/21/11	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
7/21/11	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.3	S1 / 39	0-4		S1: Top 33" - Brown SILT and SAND, some Coal, some Brick, moist Bottom 6" - Light brown fine SAND, little Silt, moist	**Sand and Silt**		Monitoring Well not Constructed
5					Bottom of Exploration at 4'			
10								
15								
20								
25								
30								

Notes:
1. Groundwater not encountered during drilling.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Boring No. **B-116**
Page 1 of 1
File No. 22-08173
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Logical Environmental Solutions			
Foreman:	Cindy and Wayne	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	07/21/11 End: 07/21/11	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
7/21/11	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	S1 / 40	0-4		S1: Top 3" - Asphalt Middle 17" - Black COAL and ASH, moist Bottom 20" Brown-gray CLAY, moist	**Coal, Ash**		Monitoring Well not Constructed
						Clay		
5					Bottom of Exploration at 4'			
10								
15								
20								
25								
30								

Notes:
1. Groundwater not encountered during drilling.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Boring No. **B-117**
Page 1 of 1
File No. 22-08173
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Logical Environmental Solutions			
Foreman:	Cindy and Wayne	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	07/21/11 End: 07/21/11	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
7/21/11	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	S1 / 41	0-4		S1: Top 6" - Asphalt and Process Middle 11" - Red-brown SAND, little Silt, moist Middle 12" - Black FILL MATERIAL (ash and ceramic tile) Bottom 9" - Brown-gray CLAY, moist	**Asphalt** **Sand** **Ash, Fill Material** **Clay**		Monitoring Well not Constructed
5					Bottom of Exploration at 4'			
10								
15								
20								
25								
30								

Notes:
1. Groundwater not encountered during drilling.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Boring No. **B-118**
Page 1 of 1
File No. 22-08173
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Logical Environmental Solutions			
Foreman:	Cindy and Wayne	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	07/21/11 End: 07/21/11	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
7/21/11	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.3	S1 / 41	0-4		S1: Top 4" - Asphalt and Process	**Asphalt**		Monitoring Well not Constructed
					Middle 14" - Brown-black-gray-white FILL MATERIAL and ASH, moist	**Sand and Ash**		
					Middle 15" - Brown SILTY SAND, trace Organics (wood chip), moist	**Sand**		
					Bottom 7" - Brown-gray CLAYEY SILT, moist	**Silt**		
					Bottom of Exploration at 4'			
5								
10								
15								
20								
25								
30								

Notes:
1. Groundwater not encountered during drilling.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Boring No. **B-119**
Page 1 of 1
File No. 22-08173
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Logical Environmental Solutions			
Foreman:	Cindy and Wayne	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	07/21/11 End: 07/21/11	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
7/21/11	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	S1 / 33	0-4		S1: Top 11" - Light brown fine SAND and SILT, dry	**Sand and Silt**		Monitoring Well not Constructed
					Middle 11" - Red-brown SAND, some Silt, trace Gravel, moist	**Sand**		
					Bottom 11" - Brown-red-black-white SAND and SILT, some Glass, Brick, Ash, and Coal, moist	**Sand and Silt**		
	0.0	S2 / 34	4-8		S2: Light brown SILT, little Sand, moist	**Silt**		
5								
					Bottom of Exploration at 8'			
10								
15								
20								
25								
30								

Notes:
1. Groundwater encountered at 8 feet during drilling.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Boring No. **B-120**
Page 1 of 1
File No. 22-08173
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Logical Environmental Solutions			
Foreman:	Cindy and Wayne	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	07/21/11 End: 07/21/11	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
7/21/11	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	S1 / 33	0-4		S1: Top 10" - Asphalt and Process Middle 19" - Black-brown-yellow SAND with Coal and Brick, moist Bottom 4" - Dark brown CLAYEY SILT, trace Organics (wood chips), moist	**Asphalt**		Monitoring Well not Constructed
						Sand		
						Ash, Fill Material		
						Clayey Silt		
	0.0	S2 / 48	4-8		S2: Light brown SILT, some Clay, moist	**Silt**		
5								
					Bottom of Exploration at 8'			
10								
15								
20								
25								
30								

Notes:
1. Groundwater not encountered during drilling.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Boring No. **B-121**
Page 1 of 1
File No. 22-08173
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Logical Environmental Solutions			
Foreman:	Cindy and Wayne	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	07/21/11 End: 07/21/11	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
7/21/11	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	1.7	S1 / 38	0-4		S1: Top 13" - Light brown SILTY SAND, dry Bottom 22" - Brown-red-black-white SAND, some Ash, some Coal, trace Rock Fragments, moist Bottom 3" - Brown SILT, moist	**Sand**		Monitoring Well not Constructed
						Silt		
5					Bottom of Exploration at 4'			
10								
15								
20								
25								
30								

Notes:
1. Groundwater not encountered during drilling.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Boring No. **B-122**
Page 1 of 1
File No. 22-08173
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Logical Environmental Solutions			
Foreman:	Cindy and Wayne	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	07/21/11 End: 07/21/11	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
7/21/11	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	S1 / 38	0-4		S1: Top 12" - Asphalt and Process Middle 21" - Brown, black, white ASH and COAL , moist Bottom 5" - Gray CLAY, moist	**Asphalt** **Ash and Coal**		Monitoring Well not Constructed
5	0.0	S2 / 30	4-8		S2: Top 12" - Gray CLAY, moist Bottom 18" - Brown SILTY SAND, wet	**Clay** **Sand**		
10					Bottom of Exploration at 8'			
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 5 ft. below ground surface.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Boring No. **B-123**
Page 1 of 1
File No. 22-08173
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Logical Environmental Solutions			
Foreman:	Cindy and Wayne	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	07/21/11 End: 07/21/11	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
7/21/11	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	S1 / 35	0-4		S1: Top 12" - Asphalt and Process Middle 22" - Red-brown, fine SAND, little Silt, moist Bottom 1" - Red-brown, fine SAND, some white-ten Concrete and Ash, moist	**Asphalt** **Sand**		Monitoring Well not Constructed
5					Bottom of Exploration at 4'			
10								
15								
20								
25								
30								

Notes:
1. Groundwater not encountered during drilling.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Boring No. **B-124**
Page 1 of 1
File No. 22-08173
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Logical Environmental Solutions			
Foreman:	Cindy and Wayne	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	07/21/11 End: 07/21/11	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
7/21/11	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	S1 / 41	0-4		S1: Top 9" - Asphalt and Process Middle 22" - Brown, SILTY SAND, little Gravel, moist Bottom 10" - Red-brown, SILT, some Sand, little Coal, little Gravel, moist	**Asphalt**		Monitoring Well not Constructed
						Sand		
						Silt		
5	0.0	S2 / 39	4-8		S2: Top 16" Red-brown, SILT, some Sand, little Coal, little Gravel, moist Middle 19" - Dark brown SILT, wet Bottom 3" - Brown GRAVEL, wet			
						Gravel		
					Bottom of Exploration at 8'			
10								
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 6.5 ft. below ground surface.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Boring No. **B-125**
Page 1 of 1
File No. 22-08173
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Logical Environmental Solutions			
Foreman:	Cindy and Wayne	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	07/21/11 End: 07/21/11	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
7/21/11	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	59.6	S1 / 15	0-4		S1: Top 3" - Asphalt and Process Bottom 12" - Red-brown SAND and SILT, little Rock Fragments, trace Asphalt, moist	**Asphalt**		Monitoring Well not Constructed
						Sand and Silt		
	209.4	S2 / 34	4-8		S2: Top 25" - Black-gray CLAY, some green layers within clay, moist Bottom 9" - Black-brown GRAVEL, wet	**Clay**		
5						**Gravel**		
					Bottom of Exploration at 8'			
10								
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 6.5 ft. below ground surface.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Boring No. **HA-126**
Page 1 of 1
File No. 22-08173
Checked by: JTO

				Casing	Sampler
Drilling Co.:	Tighe & Bond		Type	Hand Auger	
Foreman:	HAL		I.D./O.D.		
T&B Rep.:	MMS		Hammer Wt.		
Date Start:	08/24/11	End: 08/24/11	Hammer Fall		
Location	See Site Location Plan		Other		
GS. Elev.		Datum:			

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	S1 / 0	0-4		Refusal in 10 attempts.	**Sand and Silt**		Monitoring Well not Constructed
					Bottom of Exploration at 0.5 - 1'			
5								
10								
15								
20								
25								
30								

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Boring No. **HA-127**
Page 1 of 1
File No. 22-08173
Checked by: JTO

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Drilling Co.: Tighe & Bond
Foreman: HAL
T&B Rep.: MMS
Date Start: 07/21/11 End: 07/21/11
Location See Site Location Plan
GS. Elev. Datum:

	Casing	Sampler
Type	GeoProbe	Macrocore
I.D./O.D.		1.5"
Hammer Wt.		
Hammer Fall		
Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
7/21/11	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	38.0	HA-1	0-1		HA-1: Brown SILT and fine SAND, trace Organics, trace Ash, moist,	**Sand and Silt**		Monitoring Well not Constructed
	37.8	HA-2	1-2		HA-2: Brown SILT and fine SAND, moist			
	4.4	HA-3	2-3		HA-3: Brown SILT, little Gravel, trace Clay, trace Organics, moist	**Silt**		
					Bottom of Exploration at 3'			
5								
10								
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 7 ft. below ground surface.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Boring No. **B-128**
Page 1 of 1
File No. 22-08173
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Logical Environmental Solutions			
Foreman:	Cindy and Wayne	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	07/21/11 End: 07/21/11	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
7/21/11	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	S1 / 38	0-4		S1: Top 10" - Red-brown SAND, some Coal and Ash, moist Bottom 28" - Red-brown fine to medium SAND, trace Silt	**Sand**		Monitoring Well not Constructed
5	0.0	S2 / 40	4-8		S2: Red-brown fine to medium SAND, trace Silt			
10	NA	NA	8-12		Void Space	**Void**		
15					Bottom of Exploration at 12'			
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 7 ft. below ground surface.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Boring No. **B-129**
Page 1 of 1
File No. 22-08173
Checked by: JTO

			Casing	Sampler
Drilling Co.:	Logical Environmental Solutions			
Foreman:	Cindy and Wayne	Type	GeoProbe	Macrocore
T&B Rep.:	MMS	I.D./O.D.		1.5"
Date Start:	07/21/11 End: 07/21/11	Hammer Wt.		
Location	See Site Location Plan	Hammer Fall		
GS. Elev.	Datum:	Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
7/21/11	see notes			

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	3.3	S1 / 41	0-4		S1: Top 7" - Light brown SANDY SILT, dry Middle 6" - Black-brown FILL MATERIAL of Sand with Asphalt and Rock Fragments, moist Middle 8" - Red-brown SILTY CLAY, moist Bottom 17" - Black FILL MATERIAL of Ash, Coal, Asphalt, and Rock Fragments, moist	**Silt** **Sand and Asphalt** **Clay** **Sand, Ash, Coal**		Monitoring Well not Constructed
5	0.6	S2 / 38	4-8		S2: Top 4" - Black FILL MATERIAL of Ash, Coal, Asphalt, and Rock Fragments, moist Bottom 34" - Brown SILTY CLAY	**Silty Clay**		
	0.3	S3 / 20	8-12		S3: Dark brown GRAVEL, trace Organics (wood chips), wet	**Gravel**		
10					Bottom of Exploration at 12'			
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 10 ft. below ground surface.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Boring No. **HA-130**
Page 1 of 1
File No. 22-08173
Checked by: JTO

Drilling Co.: Tighe & Bond
Foreman: JTO
T&B Rep.: MMS
Date Start: 08/25/11 End: 08/25/11
Location See Site Location Plan
GS. Elev. Datum:

	Casing	Sampler
Type	Hand Auger	
I.D./O.D.		
Hammer Wt.		
Hammer Fall		
Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	HA-1	0-1		HA-1: Top 4" - Brown SILT and fine SAND, moist Bottom 8" - Black COAL ASH	**Sand**		Monitoring Well not Constructed
	0.0	HA-2	1-2		HA-2: Black COAL ASH			
	0.0	HA-3	2-3		HA-3: Brown-white-green FILL MATERIAL with Ash and Coal, moist * At 2.5' - 1" thick green layer	**Sand, Ash, Coal**		
					Bottom of Exploration at 3'			
5								
10								
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 10 ft. below ground surface.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: 116 Cook Avenue Phase III ESA
Location: 116 Cook Avenue
Client: City of Meriden, CT

Boring No. **HA-131**
Page 1 of 1
File No. 22-08173
Checked by: JTO

Drilling Co.: Tighe & Bond
Foreman: JTO
T&B Rep.: MMS
Date Start: 07/21/11 End: 07/21/11
Location See Site Location Plan
GS. Elev. Datum:

	Casing	Sampler
Type	Hand Auger	
I.D./O.D.		
Hammer Wt.		
Hammer Fall		
Other		

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time

Depth (ft.)	PID (ppm)	Sample No. / Rec. (in.)	Sample Depth (ft.)	Blows Per 1'	Sample Description	General Stratigraphy	Notes	Well Construction
	0.0	HA-1	0-1		HA-1: Brown, fine to medium SAND, some Silt, trace Organics, moist	**Sand**		Monitoring Well not Constructed
	0.0		1-2		HA-2: Brown fine SAND and SILT, trace Gravel, moist	**Sand and Silt**		
					Bottom of Exploration at 2'			
5								
10								
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 10 ft. below ground surface.

Tighe&Bond

APPENDIX D

Low-Flow Data Sheet

Project Name: Merden Brownfields
Project Number: 22-0817
Static Depth to Water (ft): 6.65
Depth to Bottom (ft): 13.64
Screen interval:
Point of intake: 11'

Well: MW-200
Date: 8-23-11
Sample time: 1103
Sampler: MMS
Purged (gal):

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	pH (+/- 0.1)	Temp. (°C) (<3%)	Turbidity (NTU) (< 5 NTU or <10%)	DO (mg/L) (<10%) or below 0.5	ORP (mV) (+/- 10 mV)	Specific Cond. (mS/cm) (<3%)
0952	Start Purge							
1002	100	6.81	5.57	17.6	153	4.84	-40.0	451.0
1007	100	6.82	5.55	17.5	106.6	4.72	-32.5	458.6
1012	100	6.81	5.53	17.5	70.9	4.55	-26.9	447.3
1017	100	6.81	5.52	17.5	42.7	4.32	-25.2	446.2
1022	100	6.81	5.57	17.5	23.6	4.21	-26.4	433.6
1027	100	6.81	5.58	17.6	11.5	3.99	-25.2	427.3
1032	100	6.81	5.58	17.5	8.21	3.85	-27.7	432.7
1037	100	6.81	5.59	17.5	6.35	3.50	-29.4	420.5
1042	100	6.81	5.65	17.7	4.82	3.47	-25.8	436.7
1047	100	6.81	5.65	18.0	3.34	3.32	-27.7	459.3
1052	100	6.81	5.72	17.6	3.11	0.12	-22.6	416.3
1057	100	6.81	5.69	17.5	1.92	0.16	-22.6	413.4
1102	100	6.81	5.68	17.6	1.66	0.40	-21.2	412.2
✓	✓	✓	✓	✓	✓	✓	✓	✓
	Stabilized. Collect sample at 1103							
	Turbidity at end of collecting: 1.77 NTU							

Analysis: VOCs / SVOCs / (Metals) / ETPH / Other- Arsenic, Antimony, Copper, Lead
Sample Containers: HCl voas ____ 1L unpres Ambers____ HNO3 Plastic 2 Other____
Pump: (Bladder) / Peristalic / Grunfos / Other-

Color: clear
Odor: none
Sheen: none

Turbidity: high → low
Well Condition: good - water above gripper - bailed out before opening
Repairs: none

Low-Flow Data Sheet

Project Name: Meriden Brownfields
Project Number: 22-0817
Static Depth to Water (ft): 9.20
Depth to Bottom (ft): 16.85
Screen interval:
Point of intake:

Also Dup-1

Well: AOC-11 SB/MW-1
Date: 8.24.11
Sample time: 1004
Sampler: MMS
Purged (gal): 1.25

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	pH (+/- 0.1)	Temp. (°C) (<3%)	Turbidity (NTU) (< 5 NTU or <10%)	DO (mg/L) (<10%) or below 0.5	ORP (mV) (+/- 10 mV)	Specific Cond. (mS/cm) (<3%)
0847		9.40						
0857	50	9.28	5.70	17.5	>1000	1.30	175.7	154.6
0903	80	9.28	5.42	16.8	>1000	0.33	176.8	150.4
0907	100	9.28	5.36	16.9	333	0.21	166.7	154.7
0913	110	9.28	5.43	16.7	134	0.17	148.7	160.8
0917	110	9.28	5.39	16.6	111	0.20	140.3	159.5
0923	110	9.28	5.40	16.7	81.7	0.18	127.5	165.4
0927	110	9.28	5.40	16.8	73.2	0.17	122.1	166.6
0933	110	9.28	5.47	16.6	80.8	0.90	115.0	109.0
0937	110	9.28	5.44	16.6	17.3	0.77	113.6	170.0
0943	110	9.28	5.43	16.8	4.88	0.37	110.2	167.0
0947	110	9.28	5.44	16.6	5.91	0.24	107.3	157.7
0953	110	9.28	5.44	16.6	1.07	0.23	105.8	155.9
0957	110	9.28	5.44	16.7	0.00	0.18	103.7	155.8
1003	110	9.28	5.44	16.6	0.00	0.15	103.3	156.1
	✓	✓	✓	✓	✓	✓	✓	✓
	Stabilized. Collect Sample at				1004			

Analysis: VOCs / SVOCs (PAHs) / Metals / ETPH / Other-
Sample Containers: HCl voas 8 1L unpres Ambers 4 HNO3 Plastic 2 Other
Pump: Bladder / Peristalic / Grunfos / Other-

Color: Start - Orange-brown →
Odor:
Sheen:

Turbidity: very high →
Well Condition: ok
Repairs: none

* Slow discharge in beginning due to thick turbid GW.

Tighe&Bond

APPENDIX E

ANALYTICAL REPORT

Job Number: 360-30180-1

Job Description: 22-0817 Meriden Brownfields

For:
Tighe & Bond
213 Court Street
Middletown, CT 06457

Attention: Jim Olsen

Approved for release.
Joe Chimi
Report Production Representative
9/28/10 2:47 PM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
09/28/2010

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. TestAmerica Westfield Certifications and Approvals: MADEP MA014, RIDOH57, CTDPH 0494, VT DECWSD, NH DES 2539, NELAP FL E87912 TOX, NELAP NJ MA008 TOX, NELAP NY 10843, NY ELAP 10843, North Carolina 647, NELAP PA 68-04386. Field sampling is performed under SOPs WE-FLD-001 and WE-FLD-002.

TestAmerica Laboratories, Inc.
TestAmerica Westfield Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085
Tel (413) 572-4000 Fax (413) 572-3707 www.testamericainc.com

Table of Contents

Cover Title Page 1
Report Narrative 3
Executive Summary 22
Method Summary 25
Method / Analyst Summary 27
Sample Summary 28
Sample Results 29
Sample Datasheets 30
Data Qualifiers 89
QC Results 90
Qc Association Summary 91
Surrogate Recovery Report 98
Qc Reports 106
Shipping and Receiving Documents 145
Sample Receipt Checklist 149
Interlab Coc (where applicable) 151
Client Chain of Custody 152

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook Ave, CT**	***Project Number:***	**360-30180-1**
Laboratory Sample ID (s):	**360-30180-(1-6)**	***Sampling Date (s):***	**9/16/10**
Method:	**SW846 8260B (Soil)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/28/10 13:06

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook Ave, CT**	***Project Number:***	**360-30180-1**
Laboratory Sample ID (s):	**360-30180-(7-8)**	***Sampling Date (s):***	**9/16/10**
Method:	**SW846 8260B (Water)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/28/10 13:06

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook Ave, CT**	***Project Number:***	**360-30180-1**
Laboratory Sample ID (s):	**360-30180-(1-6)**	***Sampling Date (s):***	**9/16/10**
Method:	**SW846 8270C (Soil)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No √
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes √		No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/28/10 13:06

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook Ave, CT**	***Project Number:***	**360-30180-1**
Laboratory Sample ID (s):	**360-30180-8**	***Sampling Date (s):***	**9/16/10**
Method:	**SW846 8270C (Water)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No √
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/28/10 13:06

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA014
NY DOH 10843
RI DOH 57
CT DPH 0494
VT DECWSD

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NH DES 253901-A

TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook Ave, CT**	***Project Number:***	**360-30180-1**
Laboratory Sample ID (s):	**360-30180-(1-5)**	***Sampling Date (s):***	**9/16/10**
Method:	**SW846 8082 (Soil)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/28/10 13:06

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook Ave, CT**	***Project Number:***	**360-30180-1**
Laboratory Sample ID (s):	**360-30180-8**	***Sampling Date (s):***	**9/16/10**
Method:	**SW846 8082 (Water)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/28/10 13:06

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook Ave, CT**	***Project Number:***	**360-30180-1**
Laboratory Sample ID (s):	**360-30180-(1-6)**	***Sampling Date (s):***	**9/16/10**
Method:	**STATE CT ETPH (Soil)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes √		No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/28/10 13:06

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook Ave, CT**	***Project Number:***	**360-30180-1**
Laboratory Sample ID (s):	**360-30180-8**	***Sampling Date (s):***	**9/16/10**
Method:	**STATE CT ETPH (Water)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/28/10 13:06

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook Ave, CT**	***Project Number:***	**360-30180-1**
Laboratory Sample ID (s):	**360-30180-(1-5)**	***Sampling Date (s):***	**9/16/10**
Method:	**SW846 6010B (Soil)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No √
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/28/10 13:06

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA014
NY DOH 10843
RI DOH 57
CT DPH 0494
VT DECWSD

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NH DES 253901-A

TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook Ave, CT**	***Project Number:***	**360-30180-1**
Laboratory Sample ID (s):	**360-30180-8**	***Sampling Date (s):***	**9/16/10**
Method:	**SW846 6010B (Water)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/28/10 13:06

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook Ave, CT**	***Project Number:***	**360-30180-1**
Laboratory Sample ID (s):	**360-30180-8**	***Sampling Date (s):***	**9/16/10**
Method:	**SW846 7470A**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes √		No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/28/10 13:06

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook Ave, CT**	***Project Number:***	**360-30180-1**
Laboratory Sample ID (s):	**360-30180-(1-5)**	***Sampling Date (s):***	**9/16/10**
Method:	**SW846 7471A**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/28/10 13:06

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook Ave, CT**	***Project Number:***	**360-30180-1**
Laboratory Sample ID (s):	**360-30180-(1-5)**	***Sampling Date (s):***	**9/16/10**
Method:	**SW846 9012A**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes √		No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/28/10 13:06

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA014
NY DOH 10843
RI DOH 57
CT DPH 0494
VT DECWSD

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NH DES 253901-A

TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook Ave, CT**	***Project Number:***	**360-30180-1**
Laboratory Sample ID (s):	**360-30180-8**	***Sampling Date (s):***	**9/16/10**
Method:	**SW846 9012A (Water)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/28/10 13:06

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA014
NY DOH 10843
RI DOH 57
CT DPH 0494
VT DECWSD

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NH DES 253901-A

TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	**TestAmerica Connecticut**	***Client:***	**Tighe & Bond**
Project Location:	**Meriden Brownfields**	***Project Number:***	**360-30180**
Laboratory Sample ID (s):	**360-30180 1,4,5**	***Sampling Date (s):***	**9/16/10**
RCP Method:	**6010, 1312**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes X		No
1A	Were the method specified preservation and holding time requirements met?	Yes X		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A X	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes X		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes X		No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes X		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes X		No
	b) Were these reporting limits met? (Refer to Report Narrative)	Yes X		No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No X
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No X

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Doreen Nemeth Position: Quality Assurance Manager

Printed Name: **Doreen Nemeth** Date: September 28, 2010

The certification form has been electronically signed and approved.

Updated November 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CTDEP PH-0497

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Fax:(203)929-8142 Tel:(203)929-8140

CASE NARRATIVE

Client: Tighe & Bond

Project: 22-0817 Meriden Brownfields

Report Number: 360-30180-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 09/17/2010; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.0 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2 C of the required temperature or method specified range. For samples with a specified temperature of 4 C, samples with a temperature ranging from just above freezing temperature of water to 6 C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Regarding questions 5a and 5b on the CT RCP certification form, the laboratory has evaluated reporting limits against the most stringent class criteria in the absence of a specified class on the chain-of-custody.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples B-100 (1-2') (360-30180-1), B-101 (1-2') (360-30180-2), B-102 (1-2') (360-30180-3), B-103 (1-2') (360-30180-4), B104 (4-5') (360-30180-5) and B-104 (11-12') (360-30180-6) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 09/17/2010 and analyzed on 09/21/2010.

Acetone failed the recovery criteria low for LCS 360-63450/1-A. Refer to the QC report for details.

For batch 360-63457, Dichlorodifluoromethane failed the CCV criteria low.

The desired soil to Methanol ratio was outside of the method guidance limits of 1:1 ± 25% for sample B104 (4-5') (360-30180-5).

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

Samples B104 (4-5') (360-30180-5)[5X] and B-104 (11-12') (360-30180-6)[5X] required dilution prior to analysis due to high target concentration. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples TB-1 (360-30180-7) and EB-1 (360-30180-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/20/2010.

Trans-1,4-Dichloro-2-butene failed the recovery criteria low for LCS 360-63403/3. Refer to the QC report for details.

Trans-1,4-Dichloro-2-butene failed the CCV criteria low.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC

Certification form.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples B-100 (1-2') (360-30180-1), B-101 (1-2') (360-30180-2), B-102 (1-2') (360-30180-3), B-103 (1-2') (360-30180-4), B104 (4-5') (360-30180-5) and B-104 (11-12') (360-30180-6) were analyzed for semivolatile organic compounds (GC-MS) in accordance with SW846 8270C. The samples were prepared on 09/21/2010 and analyzed on 09/23/2010 and 09/25/2010.

Several analytes failed the recovery criteria low for the MSD of sample B-103 (1-2') (360-30180-4) in batch 360-63508. The associated LCS recovered within control limits. Refer to the QC report for details.

Chrysene-d12 and Perylene-d12 failed the internal standard criteria high for sample B-104 (11-12') (360-30180-6). The sample was re-analyzed with similar results. Both sets of results are reported herein.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

Sample B-100 (1-2') (360-30180-1)[5X] required dilution prior to analysis due to high target concentration. The reporting limits have been adjusted accordingly.

At the request of the client, an abbreviated RCP compound list (PAH's only) was reported for this job.

No other difficulties were encountered during the semivolatile organic compounds (GC-MS) analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample EB-1 (360-30180-8) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The sample was prepared on 09/20/2010 and analyzed on 09/23/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

At the request of the client, an abbreviated RCP compound list (PAH's only) was reported for this job.

No difficulties were encountered during the SVOC analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)
Samples B-100 (1-2') (360-30180-1), B-101 (1-2') (360-30180-2), B-102 (1-2') (360-30180-3), B-103 (1-2') (360-30180-4) and B104 (4-5') (360-30180-5) were analyzed for polychlorinated biphenyls (PCBs) in accordance with SW846 8082. The samples were prepared on 09/20/2010 and analyzed on 09/22/2010.

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for B-101 (1-2') (360-30180-2) (1st column only). No target analytes were detected in this sample. Results would be biased high. Refer to the QC report for details.

For analytical batch 360-63445, PCB-1016 and PCB-1260 failed the criteria high for the closing CCV (1st column only). No target analytes were detected in the associated samples. Results would be biased high.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)
Sample EB-1 (360-30180-8) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The sample was prepared on 09/21/2010 and analyzed on 09/22/2010.

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for MB 360-63408/1-A. No target analytes were detected in this

sample. Results would be biased high. Refer to the QC report for details.

For analytical batch 360-63469, PCB-1016 and PCB-1260 failed the criteria high for the opening CCV (1st column only). PCB-1016 failed the criteria high for the closing CCV (1st column only). PCB-1260 failed the criteria high for the closing CCV (1st and 2nd columns).No target analytes were detected in the associated samples. Results would be biased high.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS
Samples B-100 (1-2') (360-30180-1), B-101 (1-2') (360-30180-2), B-102 (1-2') (360-30180-3), B-103 (1-2') (360-30180-4), B104 (4-5') (360-30180-5) and B-104 (11-12') (360-30180-6) were analyzed for extractable total petroleum hydrocarbons in accordance with CT ETPH. The samples were prepared on 09/20/2010 and analyzed on 09/23/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

Samples B-100 (1-2') (360-30180-1)[10X], B104 (4-5') (360-30180-5)[10X] and B-104 (11-12') (360-30180-6)[10X] required dilution prior to analysis due to high concentration. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the ETPH analyses.

All quality control parameters were within the acceptance limits.

EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS
Sample EB-1 (360-30180-8) was analyzed for extractable total petroleum hydrocarbons in accordance with State CT ETPH. The sample was prepared on 09/20/2010 and analyzed on 09/23/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No difficulties were encountered during the ETPH analysis.

All quality control parameters were within the acceptance limits.

SPLP METALS
Samples B-100 (1-2') (360-30180-1), B-103 (1-2') (360-30180-4) and B104 (4-5') (360-30180-5) were analyzed for SPLP Metals in accordance with EPA SW-846 Methods 1312/6010B (RCP). The samples were leached on 09/23/2010, and prepared and analyzed on 09/27/2010.

This analysis was performed at TestAmerica Connecticut, 128 Long Hill Cross Road, Shelton, CT 06484.

At the request of the client, an abbreviated RCP analyte list was reported for this job. Only Lead was requested.

No difficulties were encountered during the SPLP metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)
Samples B-100 (1-2') (360-30180-1), B-101 (1-2') (360-30180-2), B-102 (1-2') (360-30180-3), B-103 (1-2') (360-30180-4) and B104 (4-5') (360-30180-5) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 09/20/2010 and analyzed on 09/21/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

Sample B-101 (1-2') (360-30180-2)[2X] required dilution prior to analysis due to the nature of the sample matrix. The reporting limits have been adjusted accordingly.

At the request of the client, an abbreviated RCP analyte list was reported for samples B-100 (1-2') (360-30180-1), B-103 (1-2')

(360-30180-4) and B104 (4-5') (360-30180-5). Only Lead was requested.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)
Sample EB-1 (360-30180-8) was analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The sample was prepared and analyzed on 09/20/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY
Sample EB-1 (360-30180-8) was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The sample was prepared and analyzed on 09/21/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples B-101 (1-2') (360-30180-2) and B-102 (1-2') (360-30180-3) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 09/20/2010 and analyzed on 09/21/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Samples B-100 (1-2') (360-30180-1), B-101 (1-2') (360-30180-2), B-102 (1-2') (360-30180-3), B-103 (1-2') (360-30180-4) and B104 (4-5') (360-30180-5) were analyzed for total and amenable cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared on 09/23/2010 and analyzed on 09/24/2010.

No difficulties were encountered during the cyanide analyses.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Sample EB-1 (360-30180-8) was analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The sample was prepared on 09/23/2010 and analyzed on 09/24/2010.

No difficulties were encountered during the cyanide analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS
Samples B-100 (1-2') (360-30180-1), B-101 (1-2') (360-30180-2), B-102 (1-2') (360-30180-3), B-103 (1-2') (360-30180-4), B104 (4-5') (360-30180-5) and B-104 (11-12') (360-30180-6) were analyzed for percent solids in accordance with EPA Moisture. The samples were analyzed on 09/20/2010.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
360-30180-1	**B-100 (1-2')**				
Acenaphthylene		830	170	ug/Kg	8270C
Anthracene		500	170	ug/Kg	8270C
Benzo[a]anthracene		5900	870	ug/Kg	8270C
Benzo[g,h,i]perylene		3200	170	ug/Kg	8270C
Benzo[a]pyrene		7100	870	ug/Kg	8270C
Benzo[k]fluoranthene		2500	190	ug/Kg	8270C
Benzo[b]fluoranthene		8900	870	ug/Kg	8270C
Chrysene		5700	870	ug/Kg	8270C
Dibenz(a,h)anthracene		1100	170	ug/Kg	8270C
Fluoranthene		7700	870	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		3000	350	ug/Kg	8270C
Naphthalene		370	170	ug/Kg	8270C
Phenanthrene		1000	170	ug/Kg	8270C
Pyrene		6900	870	ug/Kg	8270C
C9-C36		460	34	mg/Kg	CT ETPH
Lead		740	0.62	mg/Kg	6010B
Percent Moisture		5.6	1.0	%	Moisture
Percent Solids		94	1.0	%	Moisture
SPLP East					
Lead		320	15	ug/L	6010B
360-30180-2	**B-101 (1-2')**				
Benzo[a]anthracene		350	190	ug/Kg	8270C
Benzo[a]pyrene		300	190	ug/Kg	8270C
Benzo[k]fluoranthene		210	200	ug/Kg	8270C
Benzo[b]fluoranthene		350	190	ug/Kg	8270C
Chrysene		360	190	ug/Kg	8270C
Fluoranthene		760	190	ug/Kg	8270C
Phenanthrene		400	190	ug/Kg	8270C
Pyrene		580	190	ug/Kg	8270C
C9-C36		19	3.7	mg/Kg	CT ETPH
Arsenic		3.2	2.4	mg/Kg	6010B
Barium		53	1.2	mg/Kg	6010B
Chromium		11	1.2	mg/Kg	6010B
Copper		77	2.4	mg/Kg	6010B
Lead		84	1.2	mg/Kg	6010B
Nickel		14	2.4	mg/Kg	6010B
Vanadium		60	2.4	mg/Kg	6010B
Zinc		110	6.1	mg/Kg	6010B
Mercury		0.19	0.082	mg/Kg	7471A
Percent Moisture		13	1.0	%	Moisture
Percent Solids		87	1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
360-30180-3	**B-102 (1-2')**				
Benzo[a]anthracene		290	180	ug/Kg	8270C
Benzo[a]pyrene		200	180	ug/Kg	8270C
Benzo[b]fluoranthene		230	180	ug/Kg	8270C
Chrysene		280	180	ug/Kg	8270C
Fluoranthene		550	180	ug/Kg	8270C
Phenanthrene		410	180	ug/Kg	8270C
Pyrene		360	180	ug/Kg	8270C
C9-C36		27	3.5	mg/Kg	CT ETPH
Antimony		55	0.58	mg/Kg	6010B
Arsenic		14	1.2	mg/Kg	6010B
Barium		130	0.58	mg/Kg	6010B
Beryllium		0.50	0.23	mg/Kg	6010B
Cadmium		0.48	0.23	mg/Kg	6010B
Chromium		14	0.58	mg/Kg	6010B
Copper		1100	1.2	mg/Kg	6010B
Lead		1700	0.58	mg/Kg	6010B
Nickel		55	1.2	mg/Kg	6010B
Vanadium		37	1.2	mg/Kg	6010B
Zinc		350	2.9	mg/Kg	6010B
Silver		69	0.58	mg/Kg	6010B
Mercury		0.43	0.076	mg/Kg	7471A
Percent Moisture		6.3	1.0	%	Moisture
Percent Solids		94	1.0	%	Moisture
360-30180-4	**B-103 (1-2')**				
2-Methylnaphthalene		190	190	ug/Kg	8270C
Anthracene		280	190	ug/Kg	8270C
Benzo[a]anthracene		520	190	ug/Kg	8270C
Benzo[a]pyrene		380	190	ug/Kg	8270C
Benzo[k]fluoranthene		230	200	ug/Kg	8270C
Benzo[b]fluoranthene		530	190	ug/Kg	8270C
Chrysene		560	190	ug/Kg	8270C
Fluoranthene		1000	190	ug/Kg	8270C
Naphthalene		270	190	ug/Kg	8270C
Phenanthrene		1400	190	ug/Kg	8270C
Pyrene		1000	190	ug/Kg	8270C
C9-C36		150	3.8	mg/Kg	CT ETPH
Lead		1100	0.62	mg/Kg	6010B
Cyanide, Total		0.59	0.39	mg/Kg	9012A
Percent Moisture		14	1.0	%	Moisture
Percent Solids		86	1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
360-30180-5	**B104 (4-5')**				
cis-1,2-Dichloroethene		650	230	ug/Kg	8260B
Trichloroethene		49000	1100	ug/Kg	8260B
Chrysene		230	210	ug/Kg	8270C
C9-C36		730	42	mg/Kg	CT ETPH
Lead		79	0.74	mg/Kg	6010B
Cyanide, Total		0.57	0.42	mg/Kg	9012A
Percent Moisture		21	1.0	%	Moisture
Percent Solids		79	1.0	%	Moisture
360-30180-6	**B-104 (11-12')**				
4-Isopropyltoluene		35000	680	ug/Kg	8260B
1,2,4-Trimethylbenzene		1700	140	ug/Kg	8260B
1,3,5-Trimethylbenzene		320	140	ug/Kg	8260B
m-Xylene & p-Xylene		1500	270	ug/Kg	8260B
o-Xylene		590	140	ug/Kg	8260B
2-Methylnaphthalene		1700	210	ug/Kg	8270C
Benzo[b]fluoranthene		260	210	ug/Kg	8270C
Chrysene		330	210	ug/Kg	8270C
Fluoranthene		600	210	ug/Kg	8270C
Naphthalene		340	210	ug/Kg	8270C
Phenanthrene		730	210	ug/Kg	8270C
Pyrene		290	210	ug/Kg	8270C
C9-C36		1900	41	mg/Kg	CT ETPH
Percent Moisture		21	1.0	%	Moisture
Percent Solids		79	1.0	%	Moisture
360-30180-8	**EB-1**				
C9-C36		0.13	0.11	mg/L	CT ETPH
Copper		11	10	ug/L	6010B

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 360-30180-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Closed System Purge and Trap	TAL WFD		SW846 5035
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL WFD	SW846 8270C	
Microwave Extraction	TAL WFD		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL WFD	SW846 8082	
Soxhlet Extraction	TAL WFD		SW846 3540C
Connecticut - Extractable Total petroleum Hydrocarbons (GC)	TAL WFD	STATE CT ETPH	
Microwave Extraction	TAL WFD		SW846 3546
Metals (ICP)	TAL CT	SW846 6010B	
SPLP Extraction	TAL CT		SW846 1312
Preparation, Total Metals	TAL CT		SW846 3010A
Metals (ICP)	TAL WFD	SW846 6010B	
Preparation, Metals	TAL WFD		SW846 3050B
Mercury (CVAA)	TAL WFD	SW846 7471A	
Preparation, Mercury	TAL WFD		SW846 7471A
Cyanide, Total and/or Amenable	TAL WFD	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation	TAL WFD		SW846 9012A
Percent Moisture	TAL WFD	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Purge and Trap	TAL WFD		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL WFD	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL WFD	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		SW846 3510C
Connecticut - Extractable Total petroleum Hydrocarbons (GC)	TAL WFD	STATE CT ETPH	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		SW846 3510C
Metals (ICP)	TAL WFD	SW846 6010B	
Preparation, Total Metals	TAL WFD		SW846 3010A
Mercury (CVAA)	TAL WFD	SW846 7470A	
Preparation, Mercury	TAL WFD		SW846 7470A
Cyanide, Total and/or Amenable	TAL WFD	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation	TAL WFD		SW846 9012A

Lab References:

TAL CT = TestAmerica Connecticut

TAL WFD = TestAmerica Westfield

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 360-30180-1

Description	Lab Location	Method	Preparation Method

Method References:

EPA = US Environmental Protection Agency

STATE = State of Connecticut Department of Public Health

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Tighe & Bond

Job Number: 360-30180-1

Method	Analyst	Analyst ID
SW846 8260B	Pham, Tam	TP
SW846 8260B	Rouleau, Catherine M	CMR
SW846 8270C	Tester, Carla	CT
SW846 8082	Weigel, Brian	BW
STATE CT ETPH	Bilodeau, Brian R	BRB
SW846 6010B	Petronchak, Nestor	NP
SW846 6010B	Smith, Tim J	TJS
SW846 7470A	Nasiatka, Ellen M	EMN
SW846 7471A	Nasiatka, Ellen M	EMN
SW846 9012A	Emerich, Rich W	RWE
EPA Moisture	Nasiatka, Ellen M	EMN

SAMPLE SUMMARY

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-30180-1	B-100 (1-2')	Solid	09/16/2010 0845	09/17/2010 1110
360-30180-2	B-101 (1-2')	Solid	09/16/2010 1015	09/17/2010 1110
360-30180-3	B-102 (1-2')	Solid	09/16/2010 1210	09/17/2010 1110
360-30180-4	B-103 (1-2')	Solid	09/16/2010 0930	09/17/2010 1110
360-30180-5	B104 (4-5')	Solid	09/16/2010 1430	09/17/2010 1110
360-30180-6	B-104 (11-12')	Solid	09/16/2010 1500	09/17/2010 1110
360-30180-7	TB-1	Water	09/16/2010 1730	09/17/2010 1110
360-30180-8	EB-1	Water	09/16/2010 1730	09/17/2010 1110

SAMPLE RESULTS

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-100 (1-2')**

Lab Sample ID: 360-30180-1

Client Matrix: Solid

% Moisture: 5.6

Date Sampled: 09/16/2010 0845

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49228.D
Dilution:	1.0			Initial Weight/Volume:	4.06 g
Date Analyzed:	09/21/2010 2243			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1300				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		65
Acrylonitrile		ND		6.5
Benzene		ND		0.65
Bromobenzene		ND		0.65
n-Butylbenzene		ND		0.65
sec-Butylbenzene		ND		0.65
tert-Butylbenzene		ND		0.65
Dichlorobromomethane		ND		0.65
Bromoform		ND		0.65
Bromomethane		ND		1.3
2-Butanone (MEK)		ND		6.5
Carbon disulfide		ND		0.65
Carbon tetrachloride		ND		0.65
Chlorobenzene		ND		0.65
Chloroethane		ND		1.3
Chloroform		ND		0.65
Chloromethane		ND		1.3
2-Chlorotoluene		ND		0.65
4-Chlorotoluene		ND		0.65
Chlorodibromomethane		ND		0.65
1,2-Dibromo-3-Chloropropane		ND		6.5
Dibromomethane		ND		0.65
1,2-Dichlorobenzene		ND		0.65
1,3-Dichlorobenzene		ND		0.65
1,4-Dichlorobenzene		ND		0.65
Dichlorodifluoromethane		ND		1.3
1,1-Dichloroethene		ND		0.65
1,1-Dichloroethane		ND		0.65
1,2-Dichloroethane		ND		0.65
cis-1,2-Dichloroethene		ND		0.65
1,2-Dichloropropane		ND		0.65
1,3-Dichloropropane		ND		0.65
2,2-Dichloropropane		ND		0.65
1,1-Dichloropropene		ND		0.65
cis-1,3-Dichloropropene		ND		0.65
trans-1,3-Dichloropropene		ND		0.65
Ethylbenzene		ND		0.65
Hexachlorobutadiene		ND		0.65
2-Hexanone		ND		6.5
Isopropylbenzene		ND		0.65
4-Isopropyltoluene		ND		0.65
Methylene Chloride		ND		2.6
4-Methyl-2-pentanone (MIBK)		ND		6.5
Methyl tert-butyl ether		ND		0.65
Naphthalene		ND		6.5
N-Propylbenzene		ND		0.65

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-100 (1-2')**

Lab Sample ID: 360-30180-1

Client Matrix: Solid

% Moisture: 5.6

Date Sampled: 09/16/2010 0845

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49228.D
Dilution:	1.0			Initial Weight/Volume:	4.06 g
Date Analyzed:	09/21/2010 2243			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1300				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Styrene		ND		0.65
1,1,1,2-Tetrachloroethane		ND		0.65
1,1,2,2-Tetrachloroethane		ND		0.65
Tetrachloroethene		ND		0.65
Tetrahydrofuran		ND		6.5
Toluene		ND		0.65
1,2,3-Trichlorobenzene		ND		0.65
1,2,4-Trichlorobenzene		ND		0.65
1,1,1-Trichloroethane		ND		0.65
1,1,2-Trichloroethane		ND		0.65
Trichloroethene		ND		0.65
Trichlorofluoromethane		ND		1.3
1,2,3-Trichloropropane		ND		0.65
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		3.3
1,2,4-Trimethylbenzene		ND		0.65
1,3,5-Trimethylbenzene		ND		0.65
Vinyl chloride		ND		0.65
Ethylene Dibromide		ND		0.65
trans-1,4-Dichloro-2-butene		ND		1.3
trans-1,2-Dichloroethene		ND		0.65
m-Xylene & p-Xylene		ND		1.3
o-Xylene		ND		0.65

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-101 (1-2')**

Lab Sample ID: 360-30180-2

Client Matrix: Solid

% Moisture: 13.2

Date Sampled: 09/16/2010 1015

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49229.D
Dilution:	1.0			Initial Weight/Volume:	5.66 g
Date Analyzed:	09/21/2010 2307			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1300				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		51
Acrylonitrile		ND		5.1
Benzene		ND		0.51
Bromobenzene		ND		0.51
n-Butylbenzene		ND		0.51
sec-Butylbenzene		ND		0.51
tert-Butylbenzene		ND		0.51
Dichlorobromomethane		ND		0.51
Bromoform		ND		0.51
Bromomethane		ND		1.0
2-Butanone (MEK)		ND		5.1
Carbon disulfide		ND		0.51
Carbon tetrachloride		ND		0.51
Chlorobenzene		ND		0.51
Chloroethane		ND		1.0
Chloroform		ND		0.51
Chloromethane		ND		1.0
2-Chlorotoluene		ND		0.51
4-Chlorotoluene		ND		0.51
Chlorodibromomethane		ND		0.51
1,2-Dibromo-3-Chloropropane		ND		5.1
Dibromomethane		ND		0.51
1,2-Dichlorobenzene		ND		0.51
1,3-Dichlorobenzene		ND		0.51
1,4-Dichlorobenzene		ND		0.51
Dichlorodifluoromethane		ND		1.0
1,1-Dichloroethene		ND		0.51
1,1-Dichloroethane		ND		0.51
1,2-Dichloroethane		ND		0.51
cis-1,2-Dichloroethene		ND		0.51
1,2-Dichloropropane		ND		0.51
1,3-Dichloropropane		ND		0.51
2,2-Dichloropropane		ND		0.51
1,1-Dichloropropene		ND		0.51
cis-1,3-Dichloropropene		ND		0.51
trans-1,3-Dichloropropene		ND		0.51
Ethylbenzene		ND		0.51
Hexachlorobutadiene		ND		0.51
2-Hexanone		ND		5.1
Isopropylbenzene		ND		0.51
4-Isopropyltoluene		ND		0.51
Methylene Chloride		ND		2.0
4-Methyl-2-pentanone (MIBK)		ND		5.1
Methyl tert-butyl ether		ND		0.51
Naphthalene		ND		5.1
N-Propylbenzene		ND		0.51

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-101 (1-2')**

Lab Sample ID: 360-30180-2

Client Matrix: Solid

% Moisture: 13.2

Date Sampled: 09/16/2010 1015

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49229.D
Dilution:	1.0			Initial Weight/Volume:	5.66 g
Date Analyzed:	09/21/2010 2307			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1300				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Styrene		ND		0.51
1,1,1,2-Tetrachloroethane		ND		0.51
1,1,2,2-Tetrachloroethane		ND		0.51
Tetrachloroethene		ND		0.51
Tetrahydrofuran		ND		5.1
Toluene		ND		0.51
1,2,3-Trichlorobenzene		ND		0.51
1,2,4-Trichlorobenzene		ND		0.51
1,1,1-Trichloroethane		ND		0.51
1,1,2-Trichloroethane		ND		0.51
Trichloroethene		ND		0.51
Trichlorofluoromethane		ND		1.0
1,2,3-Trichloropropane		ND		0.51
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.5
1,2,4-Trimethylbenzene		ND		0.51
1,3,5-Trimethylbenzene		ND		0.51
Vinyl chloride		ND		0.51
Ethylene Dibromide		ND		0.51
trans-1,4-Dichloro-2-butene		ND		1.0
trans-1,2-Dichloroethene		ND		0.51
m-Xylene & p-Xylene		ND		1.0
o-Xylene		ND		0.51

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	104		70 - 130
Dibromofluoromethane	94		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-102 (1-2')**

Lab Sample ID: 360-30180-3

Client Matrix: Solid

% Moisture: 6.3

Date Sampled: 09/16/2010 1210

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49230.D
Dilution:	1.0			Initial Weight/Volume:	4.58 g
Date Analyzed:	09/21/2010 2331			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1300				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		58
Acrylonitrile		ND		5.8
Benzene		ND		0.58
Bromobenzene		ND		0.58
n-Butylbenzene		ND		0.58
sec-Butylbenzene		ND		0.58
tert-Butylbenzene		ND		0.58
Dichlorobromomethane		ND		0.58
Bromoform		ND		0.58
Bromomethane		ND		1.2
2-Butanone (MEK)		ND		5.8
Carbon disulfide		ND		0.58
Carbon tetrachloride		ND		0.58
Chlorobenzene		ND		0.58
Chloroethane		ND		1.2
Chloroform		ND		0.58
Chloromethane		ND		1.2
2-Chlorotoluene		ND		0.58
4-Chlorotoluene		ND		0.58
Chlorodibromomethane		ND		0.58
1,2-Dibromo-3-Chloropropane		ND		5.8
Dibromomethane		ND		0.58
1,2-Dichlorobenzene		ND		0.58
1,3-Dichlorobenzene		ND		0.58
1,4-Dichlorobenzene		ND		0.58
Dichlorodifluoromethane		ND		1.2
1,1-Dichloroethene		ND		0.58
1,1-Dichloroethane		ND		0.58
1,2-Dichloroethane		ND		0.58
cis-1,2-Dichloroethene		ND		0.58
1,2-Dichloropropane		ND		0.58
1,3-Dichloropropane		ND		0.58
2,2-Dichloropropane		ND		0.58
1,1-Dichloropropene		ND		0.58
cis-1,3-Dichloropropene		ND		0.58
trans-1,3-Dichloropropene		ND		0.58
Ethylbenzene		ND		0.58
Hexachlorobutadiene		ND		0.58
2-Hexanone		ND		5.8
Isopropylbenzene		ND		0.58
4-Isopropyltoluene		ND		0.58
Methylene Chloride		ND		2.3
4-Methyl-2-pentanone (MIBK)		ND		5.8
Methyl tert-butyl ether		ND		0.58
Naphthalene		ND		5.8
N-Propylbenzene		ND		0.58

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-102 (1-2')**

Lab Sample ID: 360-30180-3

Client Matrix: Solid

% Moisture: 6.3

Date Sampled: 09/16/2010 1210

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49230.D
Dilution:	1.0			Initial Weight/Volume:	4.58 g
Date Analyzed:	09/21/2010 2331			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1300				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Styrene		ND		0.58
1,1,1,2-Tetrachloroethane		ND		0.58
1,1,2,2-Tetrachloroethane		ND		0.58
Tetrachloroethene		ND		0.58
Tetrahydrofuran		ND		5.8
Toluene		ND		0.58
1,2,3-Trichlorobenzene		ND		0.58
1,2,4-Trichlorobenzene		ND		0.58
1,1,1-Trichloroethane		ND		0.58
1,1,2-Trichloroethane		ND		0.58
Trichloroethene		ND		0.58
Trichlorofluoromethane		ND		1.2
1,2,3-Trichloropropane		ND		0.58
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.9
1,2,4-Trimethylbenzene		ND		0.58
1,3,5-Trimethylbenzene		ND		0.58
Vinyl chloride		ND		0.58
Ethylene Dibromide		ND		0.58
trans-1,4-Dichloro-2-butene		ND		1.2
trans-1,2-Dichloroethene		ND		0.58
m-Xylene & p-Xylene		ND		1.2
o-Xylene		ND		0.58

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-103 (1-2')**

Lab Sample ID: 360-30180-4

Client Matrix: Solid

% Moisture: 13.7

Date Sampled: 09/16/2010 0930

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49231.D
Dilution:	1.0			Initial Weight/Volume:	4.86 g
Date Analyzed:	09/21/2010 2355			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1300				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		60
Acrylonitrile		ND		6.0
Benzene		ND		0.60
Bromobenzene		ND		0.60
n-Butylbenzene		ND		0.60
sec-Butylbenzene		ND		0.60
tert-Butylbenzene		ND		0.60
Dichlorobromomethane		ND		0.60
Bromoform		ND		0.60
Bromomethane		ND		1.2
2-Butanone (MEK)		ND		6.0
Carbon disulfide		ND		0.60
Carbon tetrachloride		ND		0.60
Chlorobenzene		ND		0.60
Chloroethane		ND		1.2
Chloroform		ND		0.60
Chloromethane		ND		1.2
2-Chlorotoluene		ND		0.60
4-Chlorotoluene		ND		0.60
Chlorodibromomethane		ND		0.60
1,2-Dibromo-3-Chloropropane		ND		6.0
Dibromomethane		ND		0.60
1,2-Dichlorobenzene		ND		0.60
1,3-Dichlorobenzene		ND		0.60
1,4-Dichlorobenzene		ND		0.60
Dichlorodifluoromethane		ND		1.2
1,1-Dichloroethene		ND		0.60
1,1-Dichloroethane		ND		0.60
1,2-Dichloroethane		ND		0.60
cis-1,2-Dichloroethene		ND		0.60
1,2-Dichloropropane		ND		0.60
1,3-Dichloropropane		ND		0.60
2,2-Dichloropropane		ND		0.60
1,1-Dichloropropene		ND		0.60
cis-1,3-Dichloropropene		ND		0.60
trans-1,3-Dichloropropene		ND		0.60
Ethylbenzene		ND		0.60
Hexachlorobutadiene		ND		0.60
2-Hexanone		ND		6.0
Isopropylbenzene		ND		0.60
4-Isopropyltoluene		ND		0.60
Methylene Chloride		ND		2.4
4-Methyl-2-pentanone (MIBK)		ND		6.0
Methyl tert-butyl ether		ND		0.60
Naphthalene		ND		6.0
N-Propylbenzene		ND		0.60

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-103 (1-2')**

Lab Sample ID: 360-30180-4

Client Matrix: Solid

% Moisture: 13.7

Date Sampled: 09/16/2010 0930

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49231.D
Dilution:	1.0			Initial Weight/Volume:	4.86 g
Date Analyzed:	09/21/2010 2355			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1300				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Styrene		ND		0.60
1,1,1,2-Tetrachloroethane		ND		0.60
1,1,2,2-Tetrachloroethane		ND		0.60
Tetrachloroethene		ND		0.60
Tetrahydrofuran		ND		6.0
Toluene		ND		0.60
1,2,3-Trichlorobenzene		ND		0.60
1,2,4-Trichlorobenzene		ND		0.60
1,1,1-Trichloroethane		ND		0.60
1,1,2-Trichloroethane		ND		0.60
Trichloroethene		ND		0.60
Trichlorofluoromethane		ND		1.2
1,2,3-Trichloropropane		ND		0.60
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		3.0
1,2,4-Trimethylbenzene		ND		0.60
1,3,5-Trimethylbenzene		ND		0.60
Vinyl chloride		ND		0.60
Ethylene Dibromide		ND		0.60
trans-1,4-Dichloro-2-butene		ND		1.2
trans-1,2-Dichloroethene		ND		0.60
m-Xylene & p-Xylene		ND		1.2
o-Xylene		ND		0.60

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B104 (4-5')**

Lab Sample ID: 360-30180-5

Client Matrix: Solid

% Moisture: 20.8

Date Sampled: 09/16/2010 1430

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63456		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63450		Lab File ID:	V49216.D
Dilution:	1.0			Initial Weight/Volume:	3.44 g
Date Analyzed:	09/21/2010 1753			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1300				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND	*	23000
Acrylonitrile		ND		2300
Benzene		ND		230
Bromobenzene		ND		230
n-Butylbenzene		ND		230
sec-Butylbenzene		ND		230
tert-Butylbenzene		ND		230
Dichlorobromomethane		ND		230
Bromoform		ND		230
Bromomethane		ND		460
2-Butanone (MEK)		ND		2300
Carbon disulfide		ND		230
Carbon tetrachloride		ND		230
Chlorobenzene		ND		230
Chloroethane		ND		460
Chloroform		ND		230
Chloromethane		ND		460
2-Chlorotoluene		ND		230
4-Chlorotoluene		ND		230
Chlorodibromomethane		ND		230
1,2-Dibromo-3-Chloropropane		ND		2300
Dibromomethane		ND		230
1,2-Dichlorobenzene		ND		230
1,3-Dichlorobenzene		ND		230
1,4-Dichlorobenzene		ND		230
Dichlorodifluoromethane		ND		460
1,1-Dichloroethene		ND		230
1,1-Dichloroethane		ND		230
1,2-Dichloroethane		ND		230
cis-1,2-Dichloroethene		650		230
1,2-Dichloropropane		ND		230
1,3-Dichloropropane		ND		230
2,2-Dichloropropane		ND		230
1,1-Dichloropropene		ND		230
cis-1,3-Dichloropropene		ND		230
trans-1,3-Dichloropropene		ND		230
Ethylbenzene		ND		230
Hexachlorobutadiene		ND		230
2-Hexanone		ND		2300
Isopropylbenzene		ND		230
4-Isopropyltoluene		ND		230
Methylene Chloride		ND		920
4-Methyl-2-pentanone (MIBK)		ND		2300
Methyl tert-butyl ether		ND		230
Naphthalene		ND		2300
N-Propylbenzene		ND		230

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B104 (4-5')**

Lab Sample ID: 360-30180-5

Client Matrix: Solid

% Moisture: 20.8

Date Sampled: 09/16/2010 1430

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63456		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63450		Lab File ID:	V49216.D
Dilution:	1.0			Initial Weight/Volume:	3.44 g
Date Analyzed:	09/21/2010 1753			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1300				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Styrene		ND		230
1,1,1,2-Tetrachloroethane		ND		230
1,1,2,2-Tetrachloroethane		ND		230
Tetrachloroethene		ND		230
Tetrahydrofuran		ND		2300
Toluene		ND		230
1,2,3-Trichlorobenzene		ND		230
1,2,4-Trichlorobenzene		ND		230
1,1,1-Trichloroethane		ND		230
1,1,2-Trichloroethane		ND		230
Trichlorofluoromethane		ND		460
1,2,3-Trichloropropane		ND		230
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1100
1,2,4-Trimethylbenzene		ND		230
1,3,5-Trimethylbenzene		ND		230
Vinyl chloride		ND		230
Ethylene Dibromide		ND		230
trans-1,4-Dichloro-2-butene		ND		460
trans-1,2-Dichloroethene		ND		230
m-Xylene & p-Xylene		ND		460
o-Xylene		ND		230

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B104 (4-5')**

Lab Sample ID: 360-30180-5

Client Matrix: Solid

% Moisture: 20.8

Date Sampled: 09/16/2010 1430

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63456		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63450		Lab File ID:	V49217.D
Dilution:	5.0			Initial Weight/Volume:	3.44 g
Date Analyzed:	09/21/2010 1817	Run Type:	DL	Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1300				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Trichloroethene		49000		1100

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-104 (11-12')**

Lab Sample ID: 360-30180-6

Client Matrix: Solid

% Moisture: 20.7

Date Sampled: 09/16/2010 1500

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63456		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63450		Lab File ID:	V49218.D
Dilution:	1.0			Initial Weight/Volume:	5.78 g
Date Analyzed:	09/21/2010 1841			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1300				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND	*	14000
Acrylonitrile		ND		1400
Benzene		ND		140
Bromobenzene		ND		140
n-Butylbenzene		ND		140
sec-Butylbenzene		ND		140
tert-Butylbenzene		ND		140
Dichlorobromomethane		ND		140
Bromoform		ND		140
Bromomethane		ND		270
2-Butanone (MEK)		ND		1400
Carbon disulfide		ND		140
Carbon tetrachloride		ND		140
Chlorobenzene		ND		140
Chloroethane		ND		270
Chloroform		ND		140
Chloromethane		ND		270
2-Chlorotoluene		ND		140
4-Chlorotoluene		ND		140
Chlorodibromomethane		ND		140
1,2-Dibromo-3-Chloropropane		ND		1400
Dibromomethane		ND		140
1,2-Dichlorobenzene		ND		140
1,3-Dichlorobenzene		ND		140
1,4-Dichlorobenzene		ND		140
Dichlorodifluoromethane		ND		270
1,1-Dichloroethene		ND		140
1,1-Dichloroethane		ND		140
1,2-Dichloroethane		ND		140
cis-1,2-Dichloroethene		ND		140
1,2-Dichloropropane		ND		140
1,3-Dichloropropane		ND		140
2,2-Dichloropropane		ND		140
1,1-Dichloropropene		ND		140
cis-1,3-Dichloropropene		ND		140
trans-1,3-Dichloropropene		ND		140
Ethylbenzene		ND		140
Hexachlorobutadiene		ND		140
2-Hexanone		ND		1400
Isopropylbenzene		ND		140
Methylene Chloride		ND		550
4-Methyl-2-pentanone (MIBK)		ND		1400
Methyl tert-butyl ether		ND		140
Naphthalene		ND		1400
N-Propylbenzene		ND		140
Styrene		ND		140

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-104 (11-12')**

Lab Sample ID: 360-30180-6

Client Matrix: Solid

% Moisture: 20.7

Date Sampled: 09/16/2010 1500

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63456		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63450		Lab File ID:	V49218.D
Dilution:	1.0			Initial Weight/Volume:	5.78 g
Date Analyzed:	09/21/2010 1841			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1300				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,1,1,2-Tetrachloroethane		ND		140
1,1,2,2-Tetrachloroethane		ND		140
Tetrachloroethene		ND		140
Tetrahydrofuran		ND		1400
Toluene		ND		140
1,2,3-Trichlorobenzene		ND		140
1,2,4-Trichlorobenzene		ND		140
1,1,1-Trichloroethane		ND		140
1,1,2-Trichloroethane		ND		140
Trichloroethene		ND		140
Trichlorofluoromethane		ND		270
1,2,3-Trichloropropane		ND		140
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		680
1,2,4-Trimethylbenzene		1700		140
1,3,5-Trimethylbenzene		320		140
Vinyl chloride		ND		140
Ethylene Dibromide		ND		140
trans-1,4-Dichloro-2-butene		ND		270
trans-1,2-Dichloroethene		ND		140
m-Xylene & p-Xylene		1500		270
o-Xylene		590		140

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	113		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-104 (11-12')**

Lab Sample ID: 360-30180-6

Client Matrix: Solid

% Moisture: 20.7

Date Sampled: 09/16/2010 1500

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63456		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63450		Lab File ID:	V49219.D
Dilution:	5.0			Initial Weight/Volume:	5.78 g
Date Analyzed:	09/21/2010 1905	Run Type:	DL	Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1300				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
4-Isopropyltoluene		35000		680

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	109		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **TB-1**

Lab Sample ID: 360-30180-7

Client Matrix: Water

Date Sampled: 09/16/2010 1730

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63403	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10515.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 2153		Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 2153			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **TB-1**

Lab Sample ID: 360-30180-7

Client Matrix: Water

Date Sampled: 09/16/2010 1730

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63403	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10515.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 2153		Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 2153			

Analyte	Result (ug/L)	Qualifier	RL
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND	*	5.0
trans-1,2-Dichloroethene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	118		70 - 130
Toluene-d8 (Surr)	93		70 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **EB-1**

Lab Sample ID: 360-30180-8

Client Matrix: Water

Date Sampled: 09/16/2010 1730

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63403	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10516.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 2216		Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 2216			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **EB-1**

Lab Sample ID: 360-30180-8

Client Matrix: Water

Date Sampled: 09/16/2010 1730

Date Received: 09/17/2010 1110

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63403	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10516.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 2216		Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 2216			

Analyte	Result (ug/L)	Qualifier	RL
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND	*	5.0
trans-1,2-Dichloroethene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	92		70 - 130
Dibromofluoromethane	118		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-100 (1-2')**

Lab Sample ID: 360-30180-1

Client Matrix: Solid

% Moisture: 5.6

Date Sampled: 09/16/2010 0845

Date Received: 09/17/2010 1110

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63508		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-63409		Lab File ID:	J1010.D
Dilution:	1.0			Initial Weight/Volume:	30.48 g
Date Analyzed:	09/23/2010 0547			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2010 1111			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		ND		170
Acenaphthylene		830		170
Acenaphthene		ND		170
Anthracene		500		170
Benzo[g,h,i]perylene		3200		170
Benzo[k]fluoranthene		2500		190
Dibenz(a,h)anthracene		1100		170
Fluorene		ND		170
Indeno[1,2,3-cd]pyrene		3000		350
Naphthalene		370		170
Phenanthrene		1000		170

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	51		30 - 130
2-Fluorobiphenyl	46		30 - 130
Terphenyl-d14	39		30 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-100 (1-2')**

Lab Sample ID: 360-30180-1

Client Matrix: Solid

% Moisture: 5.6

Date Sampled: 09/16/2010 0845

Date Received: 09/17/2010 1110

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63556		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-63409		Lab File ID:	J1040.D
Dilution:	5.0			Initial Weight/Volume:	30.48 g
Date Analyzed:	09/23/2010 2146			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2010 1111			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Benzo[a]anthracene		5900		870
Benzo[a]pyrene		7100		870
Benzo[b]fluoranthene		8900		870
Chrysene		5700		870
Fluoranthene		7700		870
Pyrene		6900		870

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	74		30 - 130
2-Fluorobiphenyl	71		30 - 130
Terphenyl-d14	89		30 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-101 (1-2')**

Lab Sample ID: 360-30180-2

Client Matrix: Solid

% Moisture: 13.2

Date Sampled: 09/16/2010 1015

Date Received: 09/17/2010 1110

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63508		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-63409		Lab File ID:	J1011.D
Dilution:	1.0			Initial Weight/Volume:	30.35 g
Date Analyzed:	09/23/2010 0616			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2010 1111			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		ND		190
Acenaphthylene		ND		190
Acenaphthene		ND		190
Anthracene		ND		190
Benzo[a]anthracene		350		190
Benzo[g,h,i]perylene		ND		190
Benzo[a]pyrene		300		190
Benzo[k]fluoranthene		210		200
Benzo[b]fluoranthene		350		190
Chrysene		360		190
Dibenz(a,h)anthracene		ND		190
Fluoranthene		760		190
Fluorene		ND		190
Indeno[1,2,3-cd]pyrene		ND		380
Naphthalene		ND		190
Phenanthrene		400		190
Pyrene		580		190

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	58		30 - 130
2-Fluorobiphenyl	54		30 - 130
Terphenyl-d14	49		30 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-102 (1-2')**

Lab Sample ID: 360-30180-3

Client Matrix: Solid

% Moisture: 6.3

Date Sampled: 09/16/2010 1210

Date Received: 09/17/2010 1110

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63508		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-63409		Lab File ID:	J1012.D
Dilution:	1.0			Initial Weight/Volume:	30.38 g
Date Analyzed:	09/23/2010 0644			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2010 1111			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		ND		180
Acenaphthylene		ND		180
Acenaphthene		ND		180
Anthracene		ND		180
Benzo[a]anthracene		290		180
Benzo[g,h,i]perylene		ND		180
Benzo[a]pyrene		200		180
Benzo[k]fluoranthene		ND		190
Benzo[b]fluoranthene		230		180
Chrysene		280		180
Dibenz(a,h)anthracene		ND		180
Fluoranthene		550		180
Fluorene		ND		180
Indeno[1,2,3-cd]pyrene		ND		350
Naphthalene		ND		180
Phenanthrene		410		180
Pyrene		360		180

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	46		30 - 130
2-Fluorobiphenyl	43		30 - 130
Terphenyl-d14	40		30 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-103 (1-2')**

Lab Sample ID: 360-30180-4

Client Matrix: Solid

% Moisture: 13.7

Date Sampled: 09/16/2010 0930

Date Received: 09/17/2010 1110

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63635		Instrument ID:	Inst. N
Preparation:	3546	Prep Batch: 360-63409		Lab File ID:	N11876.D
Dilution:	1.0			Initial Weight/Volume:	30.25 g
Date Analyzed:	09/25/2010 0003			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2010 1111			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		190		190
Acenaphthylene		ND		190
Acenaphthene		ND		190
Anthracene		280		190
Benzo[a]anthracene		520		190
Benzo[g,h,i]perylene		ND		190
Benzo[a]pyrene		380		190
Benzo[k]fluoranthene		230		200
Benzo[b]fluoranthene		530		190
Chrysene		560		190
Dibenz(a,h)anthracene		ND		190
Fluoranthene		1000		190
Fluorene		ND		190
Indeno[1,2,3-cd]pyrene		ND		380
Naphthalene		270		190
Phenanthrene		1400		190
Pyrene		1000		190

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	52		30 - 130
2-Fluorobiphenyl	49		30 - 130
Terphenyl-d14	51		30 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B104 (4-5')**

Lab Sample ID: 360-30180-5

Client Matrix: Solid

% Moisture: 20.8

Date Sampled: 09/16/2010 1430

Date Received: 09/17/2010 1110

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63508		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-63409		Lab File ID:	J1016.D
Dilution:	1.0			Initial Weight/Volume:	30.35 g
Date Analyzed:	09/23/2010 0838			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2010 1111			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		ND		210
Acenaphthylene		ND		210
Acenaphthene		ND		210
Anthracene		ND		210
Benzo[a]anthracene		ND		210
Benzo[g,h,i]perylene		ND		210
Benzo[a]pyrene		ND		210
Benzo[k]fluoranthene		ND		220
Benzo[b]fluoranthene		ND		210
Chrysene		230		210
Dibenz(a,h)anthracene		ND		210
Fluoranthene		ND		210
Fluorene		ND		210
Indeno[1,2,3-cd]pyrene		ND		420
Naphthalene		ND		210
Phenanthrene		ND		210
Pyrene		ND		210

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	70		30 - 130
2-Fluorobiphenyl	66		30 - 130
Terphenyl-d14	58		30 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-104 (11-12')**

Lab Sample ID: 360-30180-6

Client Matrix: Solid

% Moisture: 20.7

Date Sampled: 09/16/2010 1500

Date Received: 09/17/2010 1110

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63556		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-63409		Lab File ID:	J1042.D
Dilution:	1.0			Initial Weight/Volume:	30.51 g
Date Analyzed:	09/23/2010 2243			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2010 1111			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		1700		210
Acenaphthylene		ND		210
Acenaphthene		ND		210
Anthracene		ND		210
Benzo[a]anthracene		ND		210
Benzo[g,h,i]perylene		ND		210
Benzo[a]pyrene		ND		210
Benzo[k]fluoranthene		ND		220
Benzo[b]fluoranthene		260		210
Chrysene		330		210
Dibenz(a,h)anthracene		ND		210
Fluoranthene		600		210
Fluorene		ND		210
Indeno[1,2,3-cd]pyrene		ND		410
Naphthalene		340		210
Phenanthrene		730		210
Pyrene		290		210

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	78		30 - 130
2-Fluorobiphenyl	72		30 - 130
Terphenyl-d14	63		30 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-104 (11-12')**

Lab Sample ID: 360-30180-6

Client Matrix: Solid

% Moisture: 20.7

Date Sampled: 09/16/2010 1500

Date Received: 09/17/2010 1110

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63635		Instrument ID:	Inst. N
Preparation:	3546	Prep Batch: 360-63409		Lab File ID:	N11877.D
Dilution:	1.0			Initial Weight/Volume:	30.51 g
Date Analyzed:	09/25/2010 0037	Run Type:	RA	Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2010 1111			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		2000		210
Acenaphthylene		ND		210
Acenaphthene		ND		210
Anthracene		ND		210
Benzo[a]anthracene		ND		210
Benzo[g,h,i]perylene		ND		210
Benzo[a]pyrene		ND		210
Benzo[k]fluoranthene		ND		220
Benzo[b]fluoranthene		280		210
Chrysene		340		210
Dibenz(a,h)anthracene		ND		210
Fluoranthene		440		210
Fluorene		ND		210
Indeno[1,2,3-cd]pyrene		ND		410
Naphthalene		320		210
Phenanthrene		720		210
Pyrene		300		210

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	61		30 - 130
2-Fluorobiphenyl	65		30 - 130
Terphenyl-d14	69		30 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **EB-1**

Lab Sample ID: 360-30180-8

Client Matrix: Water

Date Sampled: 09/16/2010 1730

Date Received: 09/17/2010 1110

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63556	Instrument ID:	Inst. J
Preparation:	3510C	Prep Batch: 360-63357	Lab File ID:	J1043.D
Dilution:	1.0		Initial Weight/Volume:	1100 mL
Date Analyzed:	09/23/2010 2311		Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1403		Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
2-Methylnaphthalene	ND		4.5
Acenaphthylene	ND		4.5
Acenaphthene	ND		4.5
Anthracene	ND		4.5
Benzo[a]anthracene	ND		4.5
Benzo[g,h,i]perylene	ND		4.5
Benzo[a]pyrene	ND		4.5
Benzo[k]fluoranthene	ND		4.5
Benzo[b]fluoranthene	ND		4.5
Chrysene	ND		4.5
Dibenz(a,h)anthracene	ND		4.5
Fluoranthene	ND		4.5
Fluorene	ND		4.5
Indeno[1,2,3-cd]pyrene	ND		4.5
Naphthalene	ND		4.5
Phenanthrene	ND		4.5
Pyrene	ND		4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	81		30 - 130
2-Fluorobiphenyl	77		30 - 130
Terphenyl-d14	69		30 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-100 (1-2')**

Lab Sample ID: 360-30180-1

Client Matrix: Solid

% Moisture: 5.6

Date Sampled: 09/16/2010 0845

Date Received: 09/17/2010 1110

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.17 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1321			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		100
PCB-1221		ND		100
PCB-1232		ND		100
PCB-1242		ND		100
PCB-1248		ND		100
PCB-1254		ND		100
PCB-1260		ND		100
PCB-1262		ND		100
PCB-1268		ND		100

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	137		30 - 150
Tetrachloro-m-xylene	128		30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-100 (1-2')**

Lab Sample ID: 360-30180-1

Client Matrix: Solid

% Moisture: 5.6

Date Sampled: 09/16/2010 0845

Date Received: 09/17/2010 1110

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.17 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1321			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	106		30 - 150
Tetrachloro-m-xylene	119		30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-101 (1-2')**

Lab Sample ID: 360-30180-2

Client Matrix: Solid

% Moisture: 13.2

Date Sampled: 09/16/2010 1015

Date Received: 09/17/2010 1110

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.15 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1345			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		110
PCB-1221		ND		110
PCB-1232		ND		110
PCB-1242		ND		110
PCB-1248		ND		110
PCB-1254		ND		110
PCB-1260		ND		110
PCB-1262		ND		110
PCB-1268		ND		110

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	156	X	30 - 150
Tetrachloro-m-xylene	134		30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-101 (1-2')**

Lab Sample ID: 360-30180-2

Client Matrix: Solid

% Moisture: 13.2

Date Sampled: 09/16/2010 1015

Date Received: 09/17/2010 1110

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.15 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1345			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	148		30 - 150
Tetrachloro-m-xylene	132		30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-102 (1-2')**

Lab Sample ID: 360-30180-3

Client Matrix: Solid

% Moisture: 6.3

Date Sampled: 09/16/2010 1210

Date Received: 09/17/2010 1110

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.22 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1410			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		100
PCB-1221		ND		100
PCB-1232		ND		100
PCB-1242		ND		100
PCB-1248		ND		100
PCB-1254		ND		100
PCB-1260		ND		100
PCB-1262		ND		100
PCB-1268		ND		100

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	68	p	30 - 150
Tetrachloro-m-xylene	111		30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-102 (1-2')**

Lab Sample ID: 360-30180-3

Client Matrix: Solid

% Moisture: 6.3

Date Sampled: 09/16/2010 1210

Date Received: 09/17/2010 1110

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.22 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1410			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	123		30 - 150
Tetrachloro-m-xylene	109		30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-103 (1-2')**

Lab Sample ID: 360-30180-4

Client Matrix: Solid

% Moisture: 13.7

Date Sampled: 09/16/2010 0930

Date Received: 09/17/2010 1110

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.70 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1434			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		110
PCB-1221		ND		110
PCB-1232		ND		110
PCB-1242		ND		110
PCB-1248		ND		110
PCB-1254		ND		110
PCB-1260		ND		110
PCB-1262		ND		110
PCB-1268		ND		110

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	131		30 - 150
Tetrachloro-m-xylene	113		30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-103 (1-2')**

Lab Sample ID: 360-30180-4

Client Matrix: Solid

% Moisture: 13.7

Date Sampled: 09/16/2010 0930

Date Received: 09/17/2010 1110

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.70 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1434			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	108		30 - 150
Tetrachloro-m-xylene	108		30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B104 (4-5')**

Lab Sample ID: 360-30180-5

Client Matrix: Solid

% Moisture: 20.8

Date Sampled: 09/16/2010 1430

Date Received: 09/17/2010 1110

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.27 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1458			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		120
PCB-1221		ND		120
PCB-1232		ND		120
PCB-1242		ND		120
PCB-1248		ND		120
PCB-1254		ND		120
PCB-1260		ND		120
PCB-1262		ND		120
PCB-1268		ND		120

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	144		30 - 150
Tetrachloro-m-xylene	125		30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B104 (4-5')**

Lab Sample ID: 360-30180-5

Client Matrix: Solid

% Moisture: 20.8

Date Sampled: 09/16/2010 1430

Date Received: 09/17/2010 1110

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.27 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1458			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	140		30 - 150
Tetrachloro-m-xylene	120		30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **EB-1**

Lab Sample ID: 360-30180-8

Client Matrix: Water

Date Sampled: 09/16/2010 1730

Date Received: 09/17/2010 1110

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63469		Instrument ID:	Inst. P
Preparation:	3510C	Prep Batch: 360-63408		Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	09/22/2010 2041			Injection Volume:	2 uL
Date Prepared:	09/21/2010 1105			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
PCB-1016	ND		0.32
PCB-1221	ND		0.32
PCB-1232	ND		0.32
PCB-1242	ND		0.32
PCB-1248	ND		0.32
PCB-1254	ND		0.32
PCB-1260	ND		0.32
PCB-1262	ND		0.32
PCB-1268	ND		0.32

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	93		30 - 150
Tetrachloro-m-xylene	102		30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **EB-1**

Lab Sample ID: 360-30180-8

Client Matrix: Water

Date Sampled: 09/16/2010 1730

Date Received: 09/17/2010 1110

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63469	Instrument ID:	Inst. P
Preparation:	3510C	Prep Batch: 360-63408	Initial Weight/Volume:	950 mL
Dilution:	1.0		Final Weight/Volume:	5.0 mL
Date Analyzed:	09/22/2010 2041		Injection Volume:	2 uL
Date Prepared:	09/21/2010 1105		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	90		30 - 150
Tetrachloro-m-xylene	92		30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-100 (1-2')**

Lab Sample ID: 360-30180-1

Client Matrix: Solid

% Moisture: 5.6

Date Sampled: 09/16/2010 0845

Date Received: 09/17/2010 1110

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515		Instrument ID:	Inst. F
Preparation:	3546	Prep Batch: 360-63359		Lab File ID:	F175538.D
Dilution:	10			Initial Weight/Volume:	30.55 g
Date Analyzed:	09/23/2010 0527	Run Type:	DL	Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		460		34

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	80		50 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-101 (1-2')**

Lab Sample ID: 360-30180-2

Client Matrix: Solid

% Moisture: 13.2

Date Sampled: 09/16/2010 1015

Date Received: 09/17/2010 1110

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515	Instrument ID:	Inst. F
Preparation:	3546	Prep Batch: 360-63359	Lab File ID:	F175539.D
Dilution:	1.0		Initial Weight/Volume:	30.49 g
Date Analyzed:	09/23/2010 0557		Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		19		3.7

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	69		50 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-102 (1-2')**

Lab Sample ID: 360-30180-3

Client Matrix: Solid

% Moisture: 6.3

Date Sampled: 09/16/2010 1210

Date Received: 09/17/2010 1110

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515	Instrument ID:	Inst. F
Preparation:	3546	Prep Batch: 360-63359	Lab File ID:	F175540.D
Dilution:	1.0		Initial Weight/Volume:	30.26 g
Date Analyzed:	09/23/2010 0627		Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		27		3.5

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	69		50 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-103 (1-2')**

Lab Sample ID: 360-30180-4

Client Matrix: Solid

% Moisture: 13.7

Date Sampled: 09/16/2010 0930

Date Received: 09/17/2010 1110

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515	Instrument ID:	Inst. F
Preparation:	3546	Prep Batch: 360-63359	Lab File ID:	F175541.D
Dilution:	1.0		Initial Weight/Volume:	30.10 g
Date Analyzed:	09/23/2010 0656		Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		150		3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	69		50 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B104 (4-5')**

Lab Sample ID: 360-30180-5

Client Matrix: Solid

% Moisture: 20.8

Date Sampled: 09/16/2010 1430

Date Received: 09/17/2010 1110

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515		Instrument ID:	Inst. F
Preparation:	3546	Prep Batch: 360-63359		Lab File ID:	F175542.D
Dilution:	10			Initial Weight/Volume:	30.09 g
Date Analyzed:	09/23/2010 0726	Run Type:	DL	Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		730		42

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	63		50 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-104 (11-12')**

Lab Sample ID: 360-30180-6

Client Matrix: Solid

% Moisture: 20.7

Date Sampled: 09/16/2010 1500

Date Received: 09/17/2010 1110

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515		Instrument ID:	Inst. F
Preparation:	3546	Prep Batch: 360-63359		Lab File ID:	F175543.D
Dilution:	10			Initial Weight/Volume:	30.14 g
Date Analyzed:	09/23/2010 0755	Run Type:	DL	Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		1900		41

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	66		50 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **EB-1**

Lab Sample ID: 360-30180-8

Client Matrix: Water

Date Sampled: 09/16/2010 1730

Date Received: 09/17/2010 1110

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515	Instrument ID:	Inst. F
Preparation:	3510C	Prep Batch: 360-63368	Lab File ID:	F175564.D
Dilution:	1.0		Initial Weight/Volume:	940 mL
Date Analyzed:	09/23/2010 1929		Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1534		Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	RL
C9-C36	0.13		0.11

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	78		50 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-100 (1-2')**

Lab Sample ID: 360-30180-1

Client Matrix: Solid

% Moisture: 5.6

Date Sampled: 09/16/2010 0845

Date Received: 09/17/2010 1110

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-63425		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-63334		Lab File ID:	092110b.csv
Dilution:	1.0			Initial Weight/Volume:	1.71 g
Date Analyzed:	09/21/2010 1406			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		740		0.62

6010B Metals (ICP)-SPLP East

Method:	6010B	Analysis Batch: 220-43070		Instrument ID:	ICAP3
Preparation:	3010A	Prep Batch: 220-43045		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-42971		Initial Weight/Volume:	100 mL
Date Analyzed:	09/27/2010 1656			Final Weight/Volume:	50 mL
Date Prepared:	09/27/2010 1211				
Date Leached:	09/23/2010 1840				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Lead		320		15

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-101 (1-2')**

Lab Sample ID: 360-30180-2

Client Matrix: Solid

% Moisture: 13.2

Date Sampled: 09/16/2010 1015

Date Received: 09/17/2010 1110

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-63425		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-63334		Lab File ID:	092110b.csv
Dilution:	2.0			Initial Weight/Volume:	1.89 g
Date Analyzed:	09/21/2010 1508			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		ND		1.2
Arsenic		3.2		2.4
Barium		53		1.2
Beryllium		ND		0.49
Cadmium		ND		0.49
Chromium		11		1.2
Copper		77		2.4
Lead		84		1.2
Nickel		14		2.4
Selenium		ND		1.2
Thallium		ND		2.4
Vanadium		60		2.4
Zinc		110		6.1
Silver		ND		1.2

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-63413		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-63323		Lab File ID:	092110A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Date Analyzed:	09/21/2010 1145			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0909				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.19		0.082

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-102 (1-2')**

Lab Sample ID: 360-30180-3

Client Matrix: Solid

% Moisture: 6.3

Date Sampled: 09/16/2010 1210

Date Received: 09/17/2010 1110

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-63425		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-63334		Lab File ID:	092110b.csv
Dilution:	1.0			Initial Weight/Volume:	1.85 g
Date Analyzed:	09/21/2010 1417			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		55		0.58
Arsenic		14		1.2
Barium		130		0.58
Beryllium		0.50		0.23
Cadmium		0.48		0.23
Chromium		14		0.58
Copper		1100		1.2
Lead		1700		0.58
Nickel		55		1.2
Selenium		ND		0.58
Thallium		ND		1.2
Vanadium		37		1.2
Zinc		350		2.9
Silver		69		0.58

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-63413		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-63323		Lab File ID:	092110A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Date Analyzed:	09/21/2010 1146			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0909				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.43		0.076

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B-103 (1-2')**

Lab Sample ID: 360-30180-4

Client Matrix: Solid

% Moisture: 13.7

Date Sampled: 09/16/2010 0930

Date Received: 09/17/2010 1110

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-63425		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-63334		Lab File ID:	092110b.csv
Dilution:	1.0			Initial Weight/Volume:	1.87 g
Date Analyzed:	09/21/2010 1420			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		1100		0.62

6010B Metals (ICP)-SPLP East

Method:	6010B	Analysis Batch: 220-43070		Instrument ID:	ICAP3
Preparation:	3010A	Prep Batch: 220-43045		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-42971		Initial Weight/Volume:	100 mL
Date Analyzed:	09/27/2010 1705			Final Weight/Volume:	50 mL
Date Prepared:	09/27/2010 1211				
Date Leached:	09/23/2010 1840				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Lead		ND		15

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **B104 (4-5')**

Lab Sample ID: 360-30180-5

Client Matrix: Solid

% Moisture: 20.8

Date Sampled: 09/16/2010 1430

Date Received: 09/17/2010 1110

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-63425		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-63334		Lab File ID:	092110b.csv
Dilution:	1.0			Initial Weight/Volume:	1.70 g
Date Analyzed:	09/21/2010 1423			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		79		0.74

6010B Metals (ICP)-SPLP East

Method:	6010B	Analysis Batch: 220-43070		Instrument ID:	ICAP3
Preparation:	3010A	Prep Batch: 220-43045		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-42971		Initial Weight/Volume:	100 mL
Date Analyzed:	09/27/2010 1709			Final Weight/Volume:	50 mL
Date Prepared:	09/27/2010 1211				
Date Leached:	09/23/2010 1840				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Lead		ND		15

Client: Tighe & Bond

Job Number: 360-30180-1

Client Sample ID: **EB-1**

Lab Sample ID: 360-30180-8

Client Matrix: Water

Date Sampled: 09/16/2010 1730

Date Received: 09/17/2010 1110

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-63396		Instrument ID:	Varian ICP
Preparation:	3010A	Prep Batch: 360-63296		Lab File ID:	092010c.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	09/20/2010 1655			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0728				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		6.0
Arsenic	ND		10
Barium	ND		10
Beryllium	ND		1.0
Cadmium	ND		1.0
Chromium	ND		5.0
Copper	11		10
Lead	ND		6.0
Nickel	ND		10
Selenium	ND		10
Thallium	ND		10
Vanadium	ND		10
Zinc	ND		50
Silver	ND		5.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 360-63421		Instrument ID:	Hg Analyzer
Preparation:	7470A	Prep Batch: 360-63389		Lab File ID:	092110B.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/21/2010 1318			Final Weight/Volume:	10 mL
Date Prepared:	09/21/2010 0852				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

General Chemistry

Client Sample ID: **B-100 (1-2')**

Lab Sample ID: 360-30180-1

Date Sampled: 09/16/2010 0845

Client Matrix: Solid

% Moisture: 5.6

Date Received: 09/17/2010 1110

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		mg/Kg	0.35	1.0	9012A
	Analysis Batch: 360-63600		Date Analyzed: 09/24/2010 1023			DryWt Corrected: Y
	Prep Batch: 360-63541		Date Prepared: 09/23/2010 1056			
Percent Moisture	5.6		%	1.0	1.0	Moisture
	Analysis Batch: 360-63341		Date Analyzed: 09/20/2010 1027			DryWt Corrected: N
Percent Solids	94		%	1.0	1.0	Moisture
	Analysis Batch: 360-63341		Date Analyzed: 09/20/2010 1027			DryWt Corrected: N

General Chemistry

Client Sample ID: **B-101 (1-2')**

Lab Sample ID: 360-30180-2

Client Matrix: Solid

% Moisture: 13.2

Date Sampled: 09/16/2010 1015

Date Received: 09/17/2010 1110

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		mg/Kg	0.38	1.0	9012A
Analysis Batch: 360-63600	Date Analyzed: 09/24/2010 1026					DryWt Corrected: Y
Prep Batch: 360-63541	Date Prepared: 09/23/2010 1056					
Percent Moisture	13		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N
Percent Solids	87		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N

General Chemistry

Client Sample ID: **B-102 (1-2')**

Lab Sample ID: 360-30180-3

Client Matrix: Solid

% Moisture: 6.3

Date Sampled: 09/16/2010 1210

Date Received: 09/17/2010 1110

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		mg/Kg	0.35	1.0	9012A
Analysis Batch: 360-63600	Date Analyzed: 09/24/2010 1027					DryWt Corrected: Y
Prep Batch: 360-63541	Date Prepared: 09/23/2010 1056					
Percent Moisture	6.3		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N
Percent Solids	94		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N

General Chemistry

Client Sample ID: **B-103 (1-2')**

Lab Sample ID: 360-30180-4

Client Matrix: Solid

% Moisture: 13.7

Date Sampled: 09/16/2010 0930

Date Received: 09/17/2010 1110

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	0.59		mg/Kg	0.39	1.0	9012A
Analysis Batch: 360-63600	Date Analyzed: 09/24/2010 1028					DryWt Corrected: Y
Prep Batch: 360-63541	Date Prepared: 09/23/2010 1056					
Percent Moisture	14		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N
Percent Solids	86		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N

General Chemistry

Client Sample ID: **B104 (4-5')**

Lab Sample ID: 360-30180-5

Client Matrix: Solid

% Moisture: 20.8

Date Sampled: 09/16/2010 1430

Date Received: 09/17/2010 1110

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	0.57		mg/Kg	0.42	1.0	9012A
Analysis Batch: 360-63600	Date Analyzed: 09/24/2010 1029					DryWt Corrected: Y
Prep Batch: 360-63541	Date Prepared: 09/23/2010 1056					
Percent Moisture	21		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N
Percent Solids	79		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N

General Chemistry

Client Sample ID: **B-104 (11-12')**

Lab Sample ID: 360-30180-6

Client Matrix: Solid

Date Sampled: 09/16/2010 1500

Date Received: 09/17/2010 1110

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	21		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1625					DryWt Corrected: N
Percent Solids	79		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1625					DryWt Corrected: N

General Chemistry

Client Sample ID: **EB-1**

Lab Sample ID: 360-30180-8

Client Matrix: Water

Date Sampled: 09/16/2010 1730

Date Received: 09/17/2010 1110

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		mg/L	0.010	1.0	9012A

Analysis Batch: 360-63603 Date Analyzed: 09/24/2010 1049

Prep Batch: 360-63559 Date Prepared: 09/23/2010 1602

DATA REPORTING QUALIFIERS

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
GC Semi VOA		
	X	Surrogate is outside control limits
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

QUALITY CONTROL RESULTS

Client: Tighe & Bond

Job Number: 360-30180-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:360-63403					
LCS 360-63403/3	Lab Control Sample	T	Water	8260B	
LCSD 360-63403/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 360-63403/6	Method Blank	T	Water	8260B	
360-30180-7	TB-1	T	Water	8260B	
360-30180-8	EB-1	T	Water	8260B	
Prep Batch: 360-63450					
LCS 360-63450/1-A	Lab Control Sample	T	Solid	5035	
LCSD 360-63450/2-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 360-63450/3-A	Method Blank	T	Solid	5035	
360-30180-5	B104 (4-5')	T	Solid	5035	
360-30180-5DL	B104 (4-5')	T	Solid	5035	
360-30180-6	B-104 (11-12')	T	Solid	5035	
360-30180-6DL	B-104 (11-12')	T	Solid	5035	
Prep Batch: 360-63451					
LCS 360-63451/1-A	Lab Control Sample	T	Solid	5035	
LCSD 360-63451/2-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 360-63451/3-A	Method Blank	T	Solid	5035	
360-30180-1	B-100 (1-2')	T	Solid	5035	
360-30180-2	B-101 (1-2')	T	Solid	5035	
360-30180-3	B-102 (1-2')	T	Solid	5035	
360-30180-4	B-103 (1-2')	T	Solid	5035	
Analysis Batch:360-63456					
LCS 360-63450/1-A	Lab Control Sample	T	Solid	8260B	360-63450
LCSD 360-63450/2-A	Lab Control Sample Duplicate	T	Solid	8260B	360-63450
MB 360-63450/3-A	Method Blank	T	Solid	8260B	360-63450
360-30180-5	B104 (4-5')	T	Solid	8260B	360-63450
360-30180-5DL	B104 (4-5')	T	Solid	8260B	360-63450
360-30180-6	B-104 (11-12')	T	Solid	8260B	360-63450
360-30180-6DL	B-104 (11-12')	T	Solid	8260B	360-63450
Analysis Batch:360-63457					
LCS 360-63451/1-A	Lab Control Sample	T	Solid	8260B	360-63451
LCSD 360-63451/2-A	Lab Control Sample Duplicate	T	Solid	8260B	360-63451
MB 360-63451/3-A	Method Blank	T	Solid	8260B	360-63451
360-30180-1	B-100 (1-2')	T	Solid	8260B	360-63451
360-30180-2	B-101 (1-2')	T	Solid	8260B	360-63451
360-30180-3	B-102 (1-2')	T	Solid	8260B	360-63451
360-30180-4	B-103 (1-2')	T	Solid	8260B	360-63451

Report Basis

T = Total

Client: Tighe & Bond

Job Number: 360-30180-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 360-63357					
LCS 360-63357/2-A	Lab Control Sample	T	Water	3510C	
LCSD 360-63357/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 360-63357/1-A	Method Blank	T	Water	3510C	
360-30180-8	EB-1	T	Water	3510C	
Prep Batch: 360-63409					
LCS 360-63409/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-63409/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-63409/1-A	Method Blank	T	Solid	3546	
360-30180-1	B-100 (1-2')	T	Solid	3546	
360-30180-2	B-101 (1-2')	T	Solid	3546	
360-30180-3	B-102 (1-2')	T	Solid	3546	
360-30180-4	B-103 (1-2')	T	Solid	3546	
360-30180-4MS	Matrix Spike	T	Solid	3546	
360-30180-4MSD	Matrix Spike Duplicate	T	Solid	3546	
360-30180-5	B104 (4-5')	T	Solid	3546	
360-30180-6	B-104 (11-12')	T	Solid	3546	
360-30180-6RA	B-104 (11-12')	T	Solid	3546	
Analysis Batch:360-63508					
LCS 360-63357/2-A	Lab Control Sample	T	Water	8270C	360-63357
LCSD 360-63357/3-A	Lab Control Sample Duplicate	T	Water	8270C	360-63357
MB 360-63357/1-A	Method Blank	T	Water	8270C	360-63357
LCS 360-63409/2-A	Lab Control Sample	T	Solid	8270C	360-63409
LCSD 360-63409/3-A	Lab Control Sample Duplicate	T	Solid	8270C	360-63409
MB 360-63409/1-A	Method Blank	T	Solid	8270C	360-63409
360-30180-1	B-100 (1-2')	T	Solid	8270C	360-63409
360-30180-2	B-101 (1-2')	T	Solid	8270C	360-63409
360-30180-3	B-102 (1-2')	T	Solid	8270C	360-63409
360-30180-4MS	Matrix Spike	T	Solid	8270C	360-63409
360-30180-4MSD	Matrix Spike Duplicate	T	Solid	8270C	360-63409
360-30180-5	B104 (4-5')	T	Solid	8270C	360-63409
Analysis Batch:360-63556					
360-30180-1	B-100 (1-2')	T	Solid	8270C	360-63409
360-30180-6	B-104 (11-12')	T	Solid	8270C	360-63409
360-30180-8	EB-1	T	Water	8270C	360-63357
Analysis Batch:360-63635					
360-30180-4	B-103 (1-2')	T	Solid	8270C	360-63409
360-30180-6RA	B-104 (11-12')	T	Solid	8270C	360-63409

Report Basis

T = Total

Client: Tighe & Bond

Job Number: 360-30180-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 360-63359					
LCS 360-63359/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-63359/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-63359/1-A	Method Blank	T	Solid	3546	
360-30180-1DL	B-100 (1-2')	T	Solid	3546	
360-30180-2	B-101 (1-2')	T	Solid	3546	
360-30180-3	B-102 (1-2')	T	Solid	3546	
360-30180-3MS	Matrix Spike	T	Solid	3546	
360-30180-3MSD	Matrix Spike Duplicate	T	Solid	3546	
360-30180-4	B-103 (1-2')	T	Solid	3546	
360-30180-5DL	B104 (4-5')	T	Solid	3546	
360-30180-6DL	B-104 (11-12')	T	Solid	3546	
Prep Batch: 360-63360					
LCS 360-63360/2-A	Lab Control Sample	T	Solid	3540C	
LCSD 360-63360/3-A	Lab Control Sample Duplicate	T	Solid	3540C	
MB 360-63360/1-A	Method Blank	T	Solid	3540C	
360-30180-1	B-100 (1-2')	T	Solid	3540C	
360-30180-2	B-101 (1-2')	T	Solid	3540C	
360-30180-3	B-102 (1-2')	T	Solid	3540C	
360-30180-4	B-103 (1-2')	T	Solid	3540C	
360-30180-5	B104 (4-5')	T	Solid	3540C	
Prep Batch: 360-63368					
LCS 360-63368/2-A	Lab Control Sample	T	Water	3510C	
LCSD 360-63368/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 360-63368/1-A	Method Blank	T	Water	3510C	
360-30180-8	EB-1	T	Water	3510C	
Prep Batch: 360-63408					
LCS 360-63408/2-A	Lab Control Sample	T	Water	3510C	
LCSD 360-63408/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 360-63408/1-A	Method Blank	T	Water	3510C	
360-30180-8	EB-1	T	Water	3510C	
Analysis Batch:360-63445					
LCS 360-63360/2-A	Lab Control Sample	T	Solid	8082	360-63360
LCSD 360-63360/3-A	Lab Control Sample Duplicate	T	Solid	8082	360-63360
MB 360-63360/1-A	Method Blank	T	Solid	8082	360-63360
360-30180-1	B-100 (1-2')	T	Solid	8082	360-63360
360-30180-2	B-101 (1-2')	T	Solid	8082	360-63360
360-30180-3	B-102 (1-2')	T	Solid	8082	360-63360
360-30180-4	B-103 (1-2')	T	Solid	8082	360-63360
360-30180-5	B104 (4-5')	T	Solid	8082	360-63360

Client: Tighe & Bond

Job Number: 360-30180-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:360-63469					
LCS 360-63408/2-A	Lab Control Sample	T	Water	8082	360-63408
LCSD 360-63408/3-A	Lab Control Sample Duplicate	T	Water	8082	360-63408
MB 360-63408/1-A	Method Blank	T	Water	8082	360-63408
360-30180-8	EB-1	T	Water	8082	360-63408
Analysis Batch:360-63515					
LCS 360-63359/2-A	Lab Control Sample	T	Solid	CT ETPH	360-63359
LCSD 360-63359/3-A	Lab Control Sample Duplicate	T	Solid	CT ETPH	360-63359
MB 360-63359/1-A	Method Blank	T	Solid	CT ETPH	360-63359
LCS 360-63368/2-A	Lab Control Sample	T	Water	CT ETPH	360-63368
LCSD 360-63368/3-A	Lab Control Sample Duplicate	T	Water	CT ETPH	360-63368
360-30180-1DL	B-100 (1-2')	T	Solid	CT ETPH	360-63359
360-30180-2	B-101 (1-2')	T	Solid	CT ETPH	360-63359
360-30180-3	B-102 (1-2')	T	Solid	CT ETPH	360-63359
360-30180-3MS	Matrix Spike	T	Solid	CT ETPH	360-63359
360-30180-3MSD	Matrix Spike Duplicate	T	Solid	CT ETPH	360-63359
360-30180-4	B-103 (1-2')	T	Solid	CT ETPH	360-63359
360-30180-5DL	B104 (4-5')	T	Solid	CT ETPH	360-63359
360-30180-6DL	B-104 (11-12')	T	Solid	CT ETPH	360-63359
360-30180-8	EB-1	T	Water	CT ETPH	360-63368
Analysis Batch:360-63580					
MB 360-63368/1-A	Method Blank	T	Water	CT ETPH	360-63368

Report Basis

T = Total

Client: Tighe & Bond

Job Number: 360-30180-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 220-42971					
LB 220-42971/1-E	TCLP SPLPE Leachate Blank	E	Solid	1312	
360-30180-1	B-100 (1-2')	E	Solid	1312	
360-30180-4	B-103 (1-2')	E	Solid	1312	
360-30180-5	B104 (4-5')	E	Solid	1312	
Prep Batch: 220-43045					
LCS 220-43045/2-A	Lab Control Sample	T	Water	3010A	
MB 220-43045/1-A	Method Blank	T	Water	3010A	
LB 220-42971/1-E	TCLP SPLPE Leachate Blank	E	Solid	3010A	220-42971
360-30180-1	B-100 (1-2')	E	Solid	3010A	220-42971
360-30180-4	B-103 (1-2')	E	Solid	3010A	220-42971
360-30180-5	B104 (4-5')	E	Solid	3010A	220-42971
Analysis Batch:220-43070					
LB 220-42971/1-E	TCLP SPLPE Leachate Blank	E	Solid	6010B	220-43045
LCS 220-43045/2-A	Lab Control Sample	T	Water	6010B	220-43045
MB 220-43045/1-A	Method Blank	T	Water	6010B	220-43045
360-30180-1	B-100 (1-2')	E	Solid	6010B	220-43045
360-30180-4	B-103 (1-2')	E	Solid	6010B	220-43045
360-30180-5	B104 (4-5')	E	Solid	6010B	220-43045
Prep Batch: 360-63296					
LCS 360-63296/2-A	Lab Control Sample	T	Water	3010A	
LCSD 360-63296/3-A	Lab Control Sample Duplicate	T	Water	3010A	
MB 360-63296/1-A	Method Blank	T	Water	3010A	
360-30180-8	EB-1	T	Water	3010A	
Prep Batch: 360-63323					
LCS 360-63323/2-A	Lab Control Sample	T	Solid	7471A	
LCSD 360-63323/3-A	Lab Control Sample Duplicate	T	Solid	7471A	
MB 360-63323/1-A	Method Blank	T	Solid	7471A	
360-30180-2	B-101 (1-2')	T	Solid	7471A	
360-30180-3	B-102 (1-2')	T	Solid	7471A	
Prep Batch: 360-63334					
LCSSRM 360-63334/2-A	LCS-Certified Reference Material	T	Solid	3050B	
LCDSRM 360-63334/3-A	LCSD - Standard Reference Material	T	Solid	3050B	
MB 360-63334/1-A	Method Blank	T	Solid	3050B	
360-30180-1	B-100 (1-2')	T	Solid	3050B	
360-30180-2	B-101 (1-2')	T	Solid	3050B	
360-30180-3	B-102 (1-2')	T	Solid	3050B	
360-30180-4	B-103 (1-2')	T	Solid	3050B	
360-30180-5	B104 (4-5')	T	Solid	3050B	

Client: Tighe & Bond

Job Number: 360-30180-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-63389					
LCS 360-63389/2-A	Lab Control Sample	T	Water	7470A	
LCSD 360-63389/3-A	Lab Control Sample Duplicate	T	Water	7470A	
MB 360-63389/1-A	Method Blank	T	Water	7470A	
360-30180-8	EB-1	T	Water	7470A	
360-30180-8DU	Duplicate	T	Water	7470A	
360-30180-8MS	Matrix Spike	T	Water	7470A	
Analysis Batch:360-63396					
LCS 360-63296/2-A	Lab Control Sample	T	Water	6010B	360-63296
LCSD 360-63296/3-A	Lab Control Sample Duplicate	T	Water	6010B	360-63296
MB 360-63296/1-A	Method Blank	T	Water	6010B	360-63296
360-30180-8	EB-1	T	Water	6010B	360-63296
Analysis Batch:360-63413					
LCS 360-63323/2-A	Lab Control Sample	T	Solid	7471A	360-63323
LCSD 360-63323/3-A	Lab Control Sample Duplicate	T	Solid	7471A	360-63323
MB 360-63323/1-A	Method Blank	T	Solid	7471A	360-63323
360-30180-2	B-101 (1-2')	T	Solid	7471A	360-63323
360-30180-3	B-102 (1-2')	T	Solid	7471A	360-63323
Analysis Batch:360-63421					
LCS 360-63389/2-A	Lab Control Sample	T	Water	7470A	360-63389
LCSD 360-63389/3-A	Lab Control Sample Duplicate	T	Water	7470A	360-63389
MB 360-63389/1-A	Method Blank	T	Water	7470A	360-63389
360-30180-8	EB-1	T	Water	7470A	360-63389
360-30180-8DU	Duplicate	T	Water	7470A	360-63389
360-30180-8MS	Matrix Spike	T	Water	7470A	360-63389
Analysis Batch:360-63425					
LCSSRM 360-63334/2-A	LCS-Certified Reference Material	T	Solid	6010B	360-63334
LCDSRM 360-63334/3-A	LCSD - Standard Reference Material	T	Solid	6010B	360-63334
MB 360-63334/1-A	Method Blank	T	Solid	6010B	360-63334
360-30180-1	B-100 (1-2')	T	Solid	6010B	360-63334
360-30180-2	B-101 (1-2')	T	Solid	6010B	360-63334
360-30180-3	B-102 (1-2')	T	Solid	6010B	360-63334
360-30180-4	B-103 (1-2')	T	Solid	6010B	360-63334
360-30180-5	B104 (4-5')	T	Solid	6010B	360-63334

Report Basis

E = SPLP East

T = Total

Client: Tighe & Bond

Job Number: 360-30180-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-63341					
360-30180-1	B-100 (1-2')	T	Solid	Moisture	
360-30180-2	B-101 (1-2')	T	Solid	Moisture	
360-30180-3	B-102 (1-2')	T	Solid	Moisture	
360-30180-4	B-103 (1-2')	T	Solid	Moisture	
360-30180-5	B104 (4-5')	T	Solid	Moisture	
360-30180-6	B-104 (11-12')	T	Solid	Moisture	
Prep Batch: 360-63541					
LCSSRM 360-63541/2-A	LCS-Certified Reference Material	T	Solid	9012A	
MB 360-63541/1-A	Method Blank	T	Solid	9012A	
360-30180-1	B-100 (1-2')	T	Solid	9012A	
360-30180-1MS	Matrix Spike	T	Solid	9012A	
360-30180-1MSD	Matrix Spike Duplicate	T	Solid	9012A	
360-30180-2	B-101 (1-2')	T	Solid	9012A	
360-30180-3	B-102 (1-2')	T	Solid	9012A	
360-30180-4	B-103 (1-2')	T	Solid	9012A	
360-30180-5	B104 (4-5')	T	Solid	9012A	
Prep Batch: 360-63559					
LCS 360-63559/2-A	Lab Control Sample	T	Water	9012A	
MB 360-63559/1-A	Method Blank	T	Water	9012A	
360-30180-8	EB-1	T	Water	9012A	
Analysis Batch:360-63600					
LCSSRM 360-63541/2-A	LCS-Certified Reference Material	T	Solid	9012A	360-63541
MB 360-63541/1-A	Method Blank	T	Solid	9012A	360-63541
360-30180-1	B-100 (1-2')	T	Solid	9012A	360-63541
360-30180-1MS	Matrix Spike	T	Solid	9012A	360-63541
360-30180-1MSD	Matrix Spike Duplicate	T	Solid	9012A	360-63541
360-30180-2	B-101 (1-2')	T	Solid	9012A	360-63541
360-30180-3	B-102 (1-2')	T	Solid	9012A	360-63541
360-30180-4	B-103 (1-2')	T	Solid	9012A	360-63541
360-30180-5	B104 (4-5')	T	Solid	9012A	360-63541
Analysis Batch:360-63603					
LCS 360-63559/2-A	Lab Control Sample	T	Water	9012A	360-63559
MB 360-63559/1-A	Method Blank	T	Water	9012A	360-63559
360-30180-8	EB-1	T	Water	9012A	360-63559

Report Basis

T = Total

Client: Tighe & Bond

Job Number: 360-30180-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
360-30180-1	B-100 (1-2')	99	96	96
360-30180-2	B-101 (1-2')	104	94	97
360-30180-3	B-102 (1-2')	101	95	98
360-30180-4	B-103 (1-2')	102	95	97
360-30180-5	B104 (4-5')	103	93	96
360-30180-5 DL	B104 (4-5') DL	103	93	97
360-30180-6	B-104 (11-12')	113	95	103
360-30180-6 DL	B-104 (11-12') DL	109	95	96
MB 360-63450/3-A		105	93	97
MB 360-63451/3-A		103	94	98
LCS 360-63450/1-A		101	97	105
LCS 360-63451/1-A		104	97	105
LCSD 360-63450/2-A		103	98	104
LCSD 360-63451/2-A		103	97	105

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130

Client: Tighe & Bond

Job Number: 360-30180-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
360-30180-7	TB-1	98	118	93
360-30180-8	EB-1	92	118	102
MB 360-63403/6		96	115	99
LCS 360-63403/3		108	111	102
LCSD 360-63403/4		99	108	104

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130

Client: Tighe & Bond

Job Number: 360-30180-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
360-30180-1	B-100 (1-2')	51	46	39
360-30180-1	B-100 (1-2')	74	71	89
360-30180-2	B-101 (1-2')	58	54	49
360-30180-3	B-102 (1-2')	46	43	40
360-30180-4	B-103 (1-2')	52	49	51
360-30180-5	B104 (4-5')	70	66	58
360-30180-6	B-104 (11-12')	78	72	63
360-30180-6 RA	B-104 (11-12') RA	61	65	69
MB 360-63409/1-A		68	62	64
LCS 360-63409/2-A		57	56	54
LCSD 360-63409/3-A		56	55	54
360-30180-4 MS	B-103 (1-2') MS	67	69	49
360-30180-4 MSD	B-103 (1-2') MSD	56	58	43

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TPH = Terphenyl-d14	30-130

Client: Tighe & Bond

Job Number: 360-30180-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
360-30180-8	EB-1	81	77	69
MB 360-63357/1-A		86	83	78
LCS 360-63357/2-A		89	92	84
LCSD 360-63357/3-A		90	91	83

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TPH = Terphenyl-d14	30-130

Client: Tighe & Bond

Job Number: 360-30180-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
360-30180-1	B-100 (1-2')	106	137	119	128
360-30180-2	B-101 (1-2')	156X	148	132	134
360-30180-3	B-102 (1-2')	68p	123	109	111
360-30180-4	B-103 (1-2')	108	131	108	113
360-30180-5	B104 (4-5')	144	140	125	120
MB 360-63360/1-A		110	116	89	97
LCS 360-63360/2-A		122	126	92	102
LCSD 360-63360/3-A		135	132	97	104

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	30-150
TCX = Tetrachloro-m-xylene	30-150

Client: Tighe & Bond

Job Number: 360-30180-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
360-30180-8	EB-1	90	93	92	102
MB 360-63408/1-A		151X	145	119	121
LCS 360-63408/2-A		135	131	111	110
LCSD 360-63408/3-A		119	118	103	107

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	30-150
TCX = Tetrachloro-m-xylene	30-150

Client: Tighe & Bond

Job Number: 360-30180-1

Surrogate Recovery Report

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	OTPH %Rec
360-30180-1 DL	B-100 (1-2') DL	80
360-30180-2	B-101 (1-2')	69
360-30180-3	B-102 (1-2')	69
360-30180-4	B-103 (1-2')	69
360-30180-5 DL	B104 (4-5') DL	63
360-30180-6 DL	B-104 (11-12') DL	66
MB 360-63359/1-A		67
LCS 360-63359/2-A		72
LCSD 360-63359/3-A		75
360-30180-3 MS	B-102 (1-2') MS	61
360-30180-3 MSD	B-102 (1-2') MSD	58

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	50-150

Client: Tighe & Bond

Job Number: 360-30180-1

Surrogate Recovery Report

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	OTPH %Rec
360-30180-8	EB-1	78
MB 360-63368/1-A		85
LCS 360-63368/2-A		67
LCSD 360-63368/3-A		86

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	50-150

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63403

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 360-63403/6	Analysis Batch:	360-63403	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10514.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 2131			Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 2131				

Analyte	Result	Qual	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63403

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 360-63403/6	Analysis Batch:	360-63403	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10514.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 2131			Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 2131				

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	96	70 - 130
Dibromofluoromethane	115	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63403

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-63403/3	Analysis Batch:	360-63403	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10511.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 2022			Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 2022				

LCSD Lab Sample ID:	LCSD 360-63403/4	Analysis Batch:	360-63403	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10512.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 2045			Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 2045				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	100	104	70 - 130	3	25		
Acrylonitrile	103	102	70 - 130	0.4	25		
Benzene	105	100	70 - 130	5	25		
Bromobenzene	100	96	70 - 130	4	25		
n-Butylbenzene	87	80	70 - 130	8	25		
sec-Butylbenzene	97	91	70 - 130	6	25		
tert-Butylbenzene	95	89	70 - 130	7	25		
Dichlorobromomethane	109	109	70 - 130	0.3	25		
Bromoform	87	87	70 - 130	0.03	25		
Bromomethane	115	115	70 - 130	0.7	25		
2-Butanone (MEK)	85	87	70 - 130	2	25		
Carbon disulfide	116	109	70 - 130	6	25		
Carbon tetrachloride	110	104	70 - 130	6	25		
Chlorobenzene	98	95	70 - 130	3	25		
Chloroethane	127	121	70 - 130	5	25		
Chloroform	108	103	70 - 130	4	25		
Chloromethane	115	113	70 - 130	2	25		
2-Chlorotoluene	104	95	70 - 130	9	25		
4-Chlorotoluene	99	93	70 - 130	6	25		
Chlorodibromomethane	104	105	70 - 130	0.7	25		
1,2-Dibromo-3-Chloropropane	84	85	70 - 130	2	25		
Dibromomethane	105	103	70 - 130	2	25		
1,2-Dichlorobenzene	100	90	70 - 130	10	25		
1,3-Dichlorobenzene	112	106	70 - 130	5	25		
1,4-Dichlorobenzene	96	95	70 - 130	0.2	25		
Dichlorodifluoromethane	119	113	70 - 130	5	25		
1,1-Dichloroethene	107	102	70 - 130	5	25		
1,1-Dichloroethane	104	103	70 - 130	0.2	25		
1,2-Dichloroethane	107	104	70 - 130	3	25		
cis-1,2-Dichloroethene	103	103	70 - 130	0.1	25		
1,2-Dichloropropane	102	100	70 - 130	2	25		
1,3-Dichloropropane	103	100	70 - 130	3	25		
2,2-Dichloropropane	128	124	70 - 130	3	25		

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63403

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-63403/3	Analysis Batch:	360-63403	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10511.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 2022			Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 2022				

LCSD Lab Sample ID:	LCSD 360-63403/4	Analysis Batch:	360-63403	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10512.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 2045			Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 2045				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloropropene	103	98	70 - 130	5	25		
cis-1,3-Dichloropropene	103	102	70 - 130	1	25		
trans-1,3-Dichloropropene	100	103	70 - 130	2	25		
Ethylbenzene	96	91	70 - 130	5	25		
Hexachlorobutadiene	107	92	70 - 130	15	25		
2-Hexanone	91	92	70 - 130	1	25		
Isopropylbenzene	95	87	70 - 130	8	25		
4-Isopropyltoluene	98	89	70 - 130	10	25		
Methylene Chloride	116	115	70 - 130	0.7	25		
4-Methyl-2-pentanone (MIBK)	99	100	70 - 130	0.8	25		
Methyl tert-butyl ether	109	110	70 - 130	0.5	25		
Naphthalene	86	86	70 - 130	0.3	25		
N-Propylbenzene	100	91	70 - 130	10	25		
Styrene	94	90	70 - 130	4	25		
1,1,1,2-Tetrachloroethane	102	98	70 - 130	4	25		
1,1,2,2-Tetrachloroethane	81	77	70 - 130	5	25		
Tetrachloroethene	113	107	70 - 130	5	25		
Tetrahydrofuran	113	112	70 - 130	0.9	25		
Toluene	102	101	70 - 130	0.7	25		
1,2,3-Trichlorobenzene	98	98	70 - 130	0.4	25		
1,2,4-Trichlorobenzene	99	95	70 - 130	4	25		
1,1,1-Trichloroethane	112	106	70 - 130	5	25		
1,1,2-Trichloroethane	100	101	70 - 130	1	25		
Trichloroethene	112	105	70 - 130	7	25		
Trichlorofluoromethane	123	120	70 - 130	3	25		
1,2,3-Trichloropropane	102	87	70 - 130	16	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	116	110	70 - 130	5	25		
1,2,4-Trimethylbenzene	96	90	70 - 130	6	25		
1,3,5-Trimethylbenzene	98	93	70 - 130	5	25		
Vinyl chloride	116	108	70 - 130	7	25		
Ethylene Dibromide	100	101	70 - 130	1	25		
trans-1,4-Dichloro-2-butene	52	57	70 - 130	10	25	*	
trans-1,2-Dichloroethene	103	99	70 - 130	4	25		

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63403

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-63403/3	Analysis Batch:	360-63403	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10511.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 2022			Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 2022				

LCSD Lab Sample ID:	LCSD 360-63403/4	Analysis Batch:	360-63403	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10512.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 2045			Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 2045				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
m-Xylene & p-Xylene	94	87	70 - 130	7	25		
o-Xylene	88	87	70 - 130	0.7	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	108	99	70 - 130
Dibromofluoromethane	111	108	70 - 130
Toluene-d8 (Surr)	102	104	70 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63450

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-63450/3-A	Analysis Batch:	360-63456	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63450	Lab File ID:	V49215.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 1730			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0917				

Analyte	Result	Qual	RL
Acetone	ND		12000
Acrylonitrile	ND		1200
Benzene	ND		120
Bromobenzene	ND		120
n-Butylbenzene	ND		120
sec-Butylbenzene	ND		120
tert-Butylbenzene	ND		120
Dichlorobromomethane	ND		120
Bromoform	ND		120
Bromomethane	ND		250
2-Butanone (MEK)	ND		1200
Carbon disulfide	ND		120
Carbon tetrachloride	ND		120
Chlorobenzene	ND		120
Chloroethane	ND		250
Chloroform	ND		120
Chloromethane	ND		250
2-Chlorotoluene	ND		120
4-Chlorotoluene	ND		120
Chlorodibromomethane	ND		120
1,2-Dibromo-3-Chloropropane	ND		1200
Dibromomethane	ND		120
1,2-Dichlorobenzene	ND		120
1,3-Dichlorobenzene	ND		120
1,4-Dichlorobenzene	ND		120
Dichlorodifluoromethane	ND		250
1,1-Dichloroethene	ND		120
1,1-Dichloroethane	ND		120
1,2-Dichloroethane	ND		120
cis-1,2-Dichloroethene	ND		120
1,2-Dichloropropane	ND		120
1,3-Dichloropropane	ND		120
2,2-Dichloropropane	ND		120
1,1-Dichloropropene	ND		120
cis-1,3-Dichloropropene	ND		120
trans-1,3-Dichloropropene	ND		120
Ethylbenzene	ND		120
Hexachlorobutadiene	ND		120
2-Hexanone	ND		1200
Isopropylbenzene	ND		120
4-Isopropyltoluene	ND		120
Methylene Chloride	ND		500
4-Methyl-2-pentanone (MIBK)	ND		1200

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63450

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-63450/3-A	Analysis Batch:	360-63456	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63450	Lab File ID:	V49215.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 1730			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0917				

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		120
Naphthalene	ND		1200
N-Propylbenzene	ND		120
Styrene	ND		120
1,1,1,2-Tetrachloroethane	ND		120
1,1,2,2-Tetrachloroethane	ND		120
Tetrachloroethene	ND		120
Tetrahydrofuran	ND		1200
Toluene	ND		120
1,2,3-Trichlorobenzene	ND		120
1,2,4-Trichlorobenzene	ND		120
1,1,1-Trichloroethane	ND		120
1,1,2-Trichloroethane	ND		120
Trichloroethene	ND		120
Trichlorofluoromethane	ND		250
1,2,3-Trichloropropane	ND		120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		620
1,2,4-Trimethylbenzene	ND		120
1,3,5-Trimethylbenzene	ND		120
Vinyl chloride	ND		120
Ethylene Dibromide	ND		120
trans-1,4-Dichloro-2-butene	ND		250
trans-1,2-Dichloroethene	ND		120
m-Xylene & p-Xylene	ND		250
o-Xylene	ND		120

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	105	70 - 130
Dibromofluoromethane	93	70 - 130
Toluene-d8 (Surr)	97	70 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63450

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-63450/1-A	Analysis Batch:	360-63456	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63450	Lab File ID:	V49211.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 1553			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0917				

LCSD Lab Sample ID:	LCSD 360-63450/2-A	Analysis Batch:	360-63456	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63450	Lab File ID:	V49212.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 1617			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0917				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	66	73	70 - 130	9	25	*	
Acrylonitrile	121	123	70 - 130	1	25		
Benzene	114	112	70 - 130	2	25		
Bromobenzene	108	110	70 - 130	1	25		
n-Butylbenzene	99	98	70 - 130	1	25		
sec-Butylbenzene	107	109	70 - 130	2	25		
tert-Butylbenzene	93	97	70 - 130	4	25		
Dichlorobromomethane	105	105	70 - 130	0.5	25		
Bromoform	79	80	70 - 130	2	25		
Bromomethane	83	93	70 - 130	10	25		
2-Butanone (MEK)	96	96	70 - 130	0.2	25		
Carbon disulfide	125	119	70 - 130	4	25		
Carbon tetrachloride	95	95	70 - 130	0.5	25		
Chlorobenzene	105	105	70 - 130	0.1	25		
Chloroethane	81	101	70 - 130	23	25		
Chloroform	110	108	70 - 130	1	25		
Chloromethane	115	115	70 - 130	0.2	25		
2-Chlorotoluene	107	107	70 - 130	0.4	25		
4-Chlorotoluene	93	93	70 - 130	0.06	25		
Chlorodibromomethane	86	85	70 - 130	2	25		
1,2-Dibromo-3-Chloropropane	76	75	70 - 130	1	25		
Dibromomethane	101	103	70 - 130	2	25		
1,2-Dichlorobenzene	82	84	70 - 130	2	25		
1,3-Dichlorobenzene	94	97	70 - 130	4	25		
1,4-Dichlorobenzene	91	90	70 - 130	1	25		
Dichlorodifluoromethane	110	107	70 - 130	3	25		
1,1-Dichloroethene	113	108	70 - 130	4	25		
1,1-Dichloroethane	117	115	70 - 130	2	25		
1,2-Dichloroethane	101	101	70 - 130	0.3	25		
cis-1,2-Dichloroethene	108	106	70 - 130	2	25		
1,2-Dichloropropane	118	116	70 - 130	2	25		
1,3-Dichloropropane	99	97	70 - 130	1	25		
2,2-Dichloropropane	116	120	70 - 130	3	25		

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63450

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-63450/1-A	Analysis Batch:	360-63456	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63450	Lab File ID:	V49211.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 1553			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0917				

LCSD Lab Sample ID:	LCSD 360-63450/2-A	Analysis Batch:	360-63456	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63450	Lab File ID:	V49212.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 1617			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0917				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloropropene	107	102	70 - 130	5	25		
cis-1,3-Dichloropropene	100	98	70 - 130	2	25		
trans-1,3-Dichloropropene	106	106	70 - 130	0.3	25		
Ethylbenzene	108	107	70 - 130	1	25		
Hexachlorobutadiene	92	92	70 - 130	0.07	25		
2-Hexanone	104	105	70 - 130	0.8	25		
Isopropylbenzene	104	105	70 - 130	0.5	25		
4-Isopropyltoluene	108	111	70 - 130	3	25		
Methylene Chloride	112	110	70 - 130	2	25		
4-Methyl-2-pentanone (MIBK)	112	114	70 - 130	1	25		
Methyl tert-butyl ether	118	122	70 - 130	4	25		
Naphthalene	96	98	70 - 130	3	25		
N-Propylbenzene	108	108	70 - 130	0.01	25		
Styrene	100	101	70 - 130	0.7	25		
1,1,1,2-Tetrachloroethane	85	86	70 - 130	1	25		
1,1,2,2-Tetrachloroethane	89	90	70 - 130	1	25		
Tetrachloroethene	94	93	70 - 130	2	25		
Tetrahydrofuran	125	124	70 - 130	1	25		
Toluene	109	105	70 - 130	3	25		
1,2,3-Trichlorobenzene	91	95	70 - 130	4	25		
1,2,4-Trichlorobenzene	92	94	70 - 130	3	25		
1,1,1-Trichloroethane	101	99	70 - 130	2	25		
1,1,2-Trichloroethane	105	104	70 - 130	1	25		
Trichloroethene	115	113	70 - 130	2	25		
Trichlorofluoromethane	101	100	70 - 130	1	25		
1,2,3-Trichloropropane	103	104	70 - 130	0.8	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	99	97	70 - 130	2	25		
1,2,4-Trimethylbenzene	104	106	70 - 130	2	25		
1,3,5-Trimethylbenzene	108	111	70 - 130	3	25		
Vinyl chloride	111	108	70 - 130	3	25		
Ethylene Dibromide	93	92	70 - 130	1	25		
trans-1,4-Dichloro-2-butene	94	97	70 - 130	3	25		
trans-1,2-Dichloroethene	119	116	70 - 130	3	25		

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63450

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-63450/1-A	Analysis Batch:	360-63456	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63450	Lab File ID:	V49211.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 1553			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0917				

LCSD Lab Sample ID:	LCSD 360-63450/2-A	Analysis Batch:	360-63456	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63450	Lab File ID:	V49212.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 1617			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0917				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
m-Xylene & p-Xylene	108	107	70 - 130	0.8	25		
o-Xylene	106	106	70 - 130	0.4	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	101	103	70 - 130
Dibromofluoromethane	97	98	70 - 130
Toluene-d8 (Surr)	105	104	70 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63451

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-63451/3-A	Analysis Batch:	360-63457	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63451	Lab File ID:	V49227.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 2219			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0919				

Analyte	Result	Qual	RL
Acetone	ND		50
Acrylonitrile	ND		5.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		5.0
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
cis-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		5.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		5.0

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63451

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-63451/3-A	Analysis Batch:	360-63457	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63451	Lab File ID:	V49227.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 2219			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0919				

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		5.0
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
Tetrachloroethene	ND		0.50
Tetrahydrofuran	ND		5.0
Toluene	ND		0.50
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		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.5
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
Ethylene Dibromide	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
trans-1,2-Dichloroethene	ND		0.50
m-Xylene & p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	103	70 - 130
Dibromofluoromethane	94	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63451

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-63451/1-A	Analysis Batch:	360-63457	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63451	Lab File ID:	V49223.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 2042			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0919				

LCSD Lab Sample ID:	LCSD 360-63451/2-A	Analysis Batch:	360-63457	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63451	Lab File ID:	V49224.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 2107			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0919				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	74	74	70 - 130	1	25		
Acrylonitrile	118	128	70 - 130	8	25		
Benzene	114	113	70 - 130	0.8	25		
Bromobenzene	112	111	70 - 130	1	25		
n-Butylbenzene	96	91	70 - 130	5	25		
sec-Butylbenzene	108	106	70 - 130	2	25		
tert-Butylbenzene	96	95	70 - 130	2	25		
Dichlorobromomethane	105	107	70 - 130	2	25		
Bromoform	77	80	70 - 130	4	25		
Bromomethane	105	106	70 - 130	0.2	25		
2-Butanone (MEK)	93	99	70 - 130	6	25		
Carbon disulfide	124	121	70 - 130	2	25		
Carbon tetrachloride	94	93	70 - 130	1	25		
Chlorobenzene	105	105	70 - 130	0.06	25		
Chloroethane	116	110	70 - 130	5	25		
Chloroform	110	112	70 - 130	2	25		
Chloromethane	113	111	70 - 130	2	25		
2-Chlorotoluene	111	109	70 - 130	1	25		
4-Chlorotoluene	96	95	70 - 130	1	25		
Chlorodibromomethane	84	89	70 - 130	6	25		
1,2-Dibromo-3-Chloropropane	72	76	70 - 130	5	25		
Dibromomethane	104	106	70 - 130	2	25		
1,2-Dichlorobenzene	83	83	70 - 130	0.05	25		
1,3-Dichlorobenzene	98	98	70 - 130	0.4	25		
1,4-Dichlorobenzene	90	89	70 - 130	2	25		
Dichlorodifluoromethane	95	95	70 - 130	0.3	25		
1,1-Dichloroethene	111	108	70 - 130	2	25		
1,1-Dichloroethane	119	118	70 - 130	1	25		
1,2-Dichloroethane	103	105	70 - 130	3	25		
cis-1,2-Dichloroethene	109	110	70 - 130	0.4	25		
1,2-Dichloropropane	119	120	70 - 130	1	25		
1,3-Dichloropropane	98	102	70 - 130	4	25		
2,2-Dichloropropane	113	112	70 - 130	0.3	25		

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63451

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-63451/1-A	Analysis Batch:	360-63457	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63451	Lab File ID:	V49223.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 2042			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0919				

LCSD Lab Sample ID:	LCSD 360-63451/2-A	Analysis Batch:	360-63457	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63451	Lab File ID:	V49224.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 2107			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0919				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloropropene	103	101	70 - 130	2	25		
cis-1,3-Dichloropropene	98	100	70 - 130	2	25		
trans-1,3-Dichloropropene	107	107	70 - 130	0.2	25		
Ethylbenzene	109	108	70 - 130	1	25		
Hexachlorobutadiene	89	85	70 - 130	4	25		
2-Hexanone	100	109	70 - 130	8	25		
Isopropylbenzene	105	103	70 - 130	2	25		
4-Isopropyltoluene	111	107	70 - 130	4	25		
Methylene Chloride	115	116	70 - 130	1	25		
4-Methyl-2-pentanone (MIBK)	112	121	70 - 130	7	25		
Methyl tert-butyl ether	116	124	70 - 130	7	25		
Naphthalene	98	101	70 - 130	3	25		
N-Propylbenzene	110	106	70 - 130	3	25		
Styrene	102	102	70 - 130	0.3	25		
1,1,1,2-Tetrachloroethane	87	86	70 - 130	0.1	25		
1,1,2,2-Tetrachloroethane	86	89	70 - 130	4	25		
Tetrachloroethene	91	91	70 - 130	0.6	25		
Tetrahydrofuran	127	134	70 - 130	6	25		
Toluene	108	108	70 - 130	0.4	25		
1,2,3-Trichlorobenzene	94	97	70 - 130	3	25		
1,2,4-Trichlorobenzene	93	95	70 - 130	1	25		
1,1,1-Trichloroethane	99	98	70 - 130	1	25		
1,1,2-Trichloroethane	103	107	70 - 130	4	25		
Trichloroethene	113	114	70 - 130	0.7	25		
Trichlorofluoromethane	96	91	70 - 130	5	25		
1,2,3-Trichloropropane	103	109	70 - 130	6	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	91	91	70 - 130	0.6	25		
1,2,4-Trimethylbenzene	109	107	70 - 130	2	25		
1,3,5-Trimethylbenzene	110	109	70 - 130	0.8	25		
Vinyl chloride	104	99	70 - 130	4	25		
Ethylene Dibromide	91	95	70 - 130	4	25		
trans-1,4-Dichloro-2-butene	97	101	70 - 130	4	25		
trans-1,2-Dichloroethene	119	117	70 - 130	2	25		

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63451

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-63451/1-A	Analysis Batch:	360-63457	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63451	Lab File ID:	V49223.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 2042			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0919				

LCSD Lab Sample ID:	LCSD 360-63451/2-A	Analysis Batch:	360-63457	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63451	Lab File ID:	V49224.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 2107			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0919				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
m-Xylene & p-Xylene	110	108	70 - 130	2	25		
o-Xylene	109	108	70 - 130	1	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	104	103	70 - 130
Dibromofluoromethane	97	97	70 - 130
Toluene-d8 (Surr)	105	105	70 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63357

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 360-63357/1-A	Analysis Batch:	360-63508	Instrument ID:	Inst. J
Client Matrix:	Water	Prep Batch:	360-63357	Lab File ID:	J1018.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/23/2010 0935			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1403			Injection Volume:	1 uL

Analyte	Result	Qual	RL
2-Methylnaphthalene	ND		5.0
Acenaphthylene	ND		5.0
Acenaphthene	ND		5.0
Anthracene	ND		5.0
Benzo[a]anthracene	ND		5.0
Benzo[g,h,i]perylene	ND		5.0
Benzo[a]pyrene	ND		5.0
Benzo[k]fluoranthene	ND		5.0
Benzo[b]fluoranthene	ND		5.0
Chrysene	ND		5.0
Dibenz(a,h)anthracene	ND		5.0
Fluoranthene	ND		5.0
Fluorene	ND		5.0
Indeno[1,2,3-cd]pyrene	ND		5.0
Naphthalene	ND		5.0
Phenanthrene	ND		5.0
Pyrene	ND		5.0

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	86	30 - 130
2-Fluorobiphenyl	83	30 - 130
Terphenyl-d14	78	30 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63357

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-63357/2-A	Analysis Batch:	360-63508	Instrument ID:	Inst. J
Client Matrix:	Water	Prep Batch:	360-63357	Lab File ID:	J1019.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/23/2010 1004			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1403			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 360-63357/3-A	Analysis Batch:	360-63508	Instrument ID:	Inst. J
Client Matrix:	Water	Prep Batch:	360-63357	Lab File ID:	J1020.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/23/2010 1032			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1403			Injection Volume:	1 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2-Methylnaphthalene	95	96	40 - 140	0.9	20		
Acenaphthylene	89	89	40 - 140	0.1	20		
Acenaphthene	99	98	40 - 140	0.6	20		
Anthracene	103	104	40 - 140	0.7	20		
Benzo[a]anthracene	101	99	40 - 140	2	20		
Benzo[g,h,i]perylene	108	103	40 - 140	4	20		
Benzo[a]pyrene	102	101	40 - 140	1	20		
Benzo[k]fluoranthene	99	101	40 - 140	2	20		
Benzo[b]fluoranthene	96	93	40 - 140	4	20		
Chrysene	99	97	40 - 140	2	20		
Dibenz(a,h)anthracene	107	104	40 - 140	3	20		
Fluoranthene	114	110	40 - 140	3	20		
Fluorene	104	101	40 - 140	3	20		
Indeno[1,2,3-cd]pyrene	108	104	40 - 140	4	20		
Naphthalene	87	86	40 - 140	0.7	20		
Phenanthrene	97	98	40 - 140	1	20		
Pyrene	87	86	40 - 140	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5	89	90	30 - 130
2-Fluorobiphenyl	92	91	30 - 130
Terphenyl-d14	84	83	30 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63409

Method: 8270C
Preparation: 3546

Lab Sample ID:	MB 360-63409/1-A	Analysis Batch:	360-63508	Instrument ID:	Inst. J
Client Matrix:	Solid	Prep Batch:	360-63409	Lab File ID:	J1006.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/23/2010 0353			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2010 1111			Injection Volume:	1 uL

Analyte	Result	Qual	RL
2-Methylnaphthalene	ND		170
Acenaphthylene	ND		170
Acenaphthene	ND		170
Anthracene	ND		170
Benzo[a]anthracene	ND		170
Benzo[g,h,i]perylene	ND		170
Benzo[a]pyrene	ND		170
Benzo[k]fluoranthene	ND		180
Benzo[b]fluoranthene	ND		170
Chrysene	ND		170
Dibenz(a,h)anthracene	ND		170
Fluoranthene	ND		170
Fluorene	ND		170
Indeno[1,2,3-cd]pyrene	ND		330
Naphthalene	ND		170
Phenanthrene	ND		170
Pyrene	ND		170

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	68	30 - 130
2-Fluorobiphenyl	62	30 - 130
Terphenyl-d14	64	30 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63409

Method: 8270C
Preparation: 3546

LCS Lab Sample ID:	LCS 360-63409/2-A	Analysis Batch:	360-63508	Instrument ID:	Inst. J
Client Matrix:	Solid	Prep Batch:	360-63409	Lab File ID:	J1007.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/23/2010 0421			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2010 1111			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 360-63409/3-A	Analysis Batch:	360-63508	Instrument ID:	Inst. J
Client Matrix:	Solid	Prep Batch:	360-63409	Lab File ID:	J1008.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/23/2010 0450			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2010 1111			Injection Volume:	1 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2-Methylnaphthalene	63	61	40 - 140	3	30		
Acenaphthylene	54	52	40 - 140	3	30		
Acenaphthene	61	59	40 - 140	3	30		
Anthracene	62	62	40 - 140	0.5	30		
Benzo[a]anthracene	62	61	40 - 140	0.6	30		
Benzo[g,h,i]perylene	63	63	40 - 140	0.8	30		
Benzo[a]pyrene	60	61	40 - 140	1	30		
Benzo[k]fluoranthene	59	60	40 - 140	2	30		
Benzo[b]fluoranthene	56	57	40 - 140	1	30		
Chrysene	60	62	40 - 140	3	30		
Dibenz(a,h)anthracene	62	63	40 - 140	0.8	30		
Fluoranthene	70	67	40 - 140	4	30		
Fluorene	63	61	40 - 140	2	30		
Indeno[1,2,3-cd]pyrene	63	63	40 - 140	1	30		
Naphthalene	58	56	40 - 140	4	30		
Phenanthrene	59	58	40 - 140	2	30		
Pyrene	54	56	40 - 140	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5	57	56	30 - 130
2-Fluorobiphenyl	56	55	30 - 130
Terphenyl-d14	54	54	30 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-63409

Method: 8270C
Preparation: 3546

MS Lab Sample ID:	360-30180-4	Analysis Batch:	360-63508	Instrument ID:	Inst. J
Client Matrix:	Solid	Prep Batch:	360-63409	Lab File ID:	J1014.D
Dilution:	1.0			Initial Weight/Volume:	30.14 g
Date Analyzed:	09/23/2010 0741			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2010 1111			Injection Volume:	1 uL

MSD Lab Sample ID:	360-30180-4	Analysis Batch:	360-63508	Instrument ID:	Inst. J
Client Matrix:	Solid	Prep Batch:	360-63409	Lab File ID:	J1015.D
Dilution:	1.0			Initial Weight/Volume:	30.24 g
Date Analyzed:	09/23/2010 0810			Final Weight/Volume:	1.0 mL
Date Prepared:	09/21/2010 1111			Injection Volume:	1 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylnaphthalene	74	65	40 - 140	12	30		
Acenaphthylene	63	53	40 - 140	17	30		
Acenaphthene	72	58	40 - 140	19	30		
Anthracene	61	47	40 - 140	19	30		
Benzo[a]anthracene	51	40	40 - 140	15	30		
Benzo[g,h,i]perylene	47	38	40 - 140	17	30		F
Benzo[a]pyrene	47	35	40 - 140	19	30		F
Benzo[k]fluoranthene	52	43	40 - 140	15	30		
Benzo[b]fluoranthene	42	34	40 - 140	13	30		F
Chrysene	49	39	40 - 140	13	30		F
Dibenz(a,h)anthracene	47	41	40 - 140	13	30		
Fluoranthene	57	31	40 - 140	20	30		F
Fluorene	69	58	40 - 140	16	30		
Indeno[1,2,3-cd]pyrene	46	38	40 - 140	16	30		F
Naphthalene	70	61	40 - 140	11	30		
Phenanthrene	56	32	40 - 140	21	30		F
Pyrene	45	23	40 - 140	28	30		F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5	67	56	30 - 130
2-Fluorobiphenyl	69	58	30 - 130
Terphenyl-d14	49	43	30 - 130

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63360

Method: 8082
Preparation: 3540C

Lab Sample ID: MB 360-63360/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/22/2010 1055
Date Prepared: 09/20/2010 1428

Analysis Batch: 360-63445
Prep Batch: 360-63360
Units: ug/Kg

Instrument ID: Inst. P
Lab File ID: P5103.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
PCB-1016	ND		100
PCB-1221	ND		100
PCB-1232	ND		100
PCB-1242	ND		100
PCB-1248	ND		100
PCB-1254	ND		100
PCB-1260	ND		100
PCB-1262	ND		100
PCB-1268	ND		100

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	116	30 - 150
Tetrachloro-m-xylene	97	30 - 150

Method Blank - Batch: 360-63360

Method: 8082
Preparation: 3540C

Lab Sample ID: MB 360-63360/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/22/2010 1055
Date Prepared: 09/20/2010 1428

Analysis Batch: 360-63445
Prep Batch: 360-63360
Units: ug/Kg

Instrument ID: Inst. P
Lab File ID: P5103.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 2 uL
Column ID: SECONDARY

Analyte	Result	Qual	RL
PCB-1016	ND		100
PCB-1221	ND		100
PCB-1232	ND		100
PCB-1242	ND		100
PCB-1248	ND		100
PCB-1254	ND		100
PCB-1260	ND		100
PCB-1262	ND		100
PCB-1268	ND		100

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	110	30 - 150
Tetrachloro-m-xylene	89	30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63360

Method: 8082
Preparation: 3540C

LCS Lab Sample ID:	LCS 360-63360/2-A	Analysis Batch:	360-63445	Instrument ID:	Inst. P
Client Matrix:	Solid	Prep Batch:	360-63360	Lab File ID:	P5104.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	10.00 g
Date Analyzed:	09/22/2010 1119			Final Weight/Volume:	10.00 mL
Date Prepared:	09/20/2010 1428			Injection Volume:	2 uL
				Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 360-63360/3-A	Analysis Batch:	360-63445	Instrument ID:	Inst. P
Client Matrix:	Solid	Prep Batch:	360-63360	Lab File ID:	P5105.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	10.00 g
Date Analyzed:	09/22/2010 1144			Final Weight/Volume:	10.00 mL
Date Prepared:	09/20/2010 1428			Injection Volume:	2 uL
				Column ID:	PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	121	115	40 - 140	5	30		
PCB-1260	112	117	40 - 140	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	126	135	30 - 150
Tetrachloro-m-xylene	102	104	30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63360

Method: 8082
Preparation: 3540C

LCS Lab Sample ID:	LCS 360-63360/2-A	Analysis Batch:	360-63445	Instrument ID:	Inst. P
Client Matrix:	Solid	Prep Batch:	360-63360	Lab File ID:	P5104.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	10.00 g
Date Analyzed:	09/22/2010 1119			Final Weight/Volume:	10.00 mL
Date Prepared:	09/20/2010 1428			Injection Volume:	2 uL
				Column ID:	SECONDARY

LCSD Lab Sample ID:	LCSD 360-63360/3-A	Analysis Batch:	360-63445	Instrument ID:	Inst. P
Client Matrix:	Solid	Prep Batch:	360-63360	Lab File ID:	P5105.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	10.00 g
Date Analyzed:	09/22/2010 1144			Final Weight/Volume:	10.00 mL
Date Prepared:	09/20/2010 1428			Injection Volume:	2 uL
				Column ID:	SECONDARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	101	112	40 - 140	10	30		
PCB-1260	102	109	40 - 140	6	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	122	132	30 - 150
Tetrachloro-m-xylene	92	97	30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63408

Method: 8082
Preparation: 3510C

Lab Sample ID: MB 360-63408/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/22/2010 1928
Date Prepared: 09/21/2010 1105

Analysis Batch: 360-63469
Prep Batch: 360-63408
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P5122.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
PCB-1016	ND		0.30
PCB-1221	ND		0.30
PCB-1232	ND		0.30
PCB-1242	ND		0.30
PCB-1248	ND		0.30
PCB-1254	ND		0.30
PCB-1260	ND		0.30
PCB-1262	ND		0.30
PCB-1268	ND		0.30

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	151	X	30 - 150
Tetrachloro-m-xylene	121		30 - 150

Method Blank - Batch: 360-63408

Method: 8082
Preparation: 3510C

Lab Sample ID: MB 360-63408/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/22/2010 1928
Date Prepared: 09/21/2010 1105

Analysis Batch: 360-63469
Prep Batch: 360-63408
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P5122.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: SECONDARY

Analyte	Result	Qual	RL
PCB-1016	ND		0.30
PCB-1221	ND		0.30
PCB-1232	ND		0.30
PCB-1242	ND		0.30
PCB-1248	ND		0.30
PCB-1254	ND		0.30
PCB-1260	ND		0.30
PCB-1262	ND		0.30
PCB-1268	ND		0.30

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	145	30 - 150
Tetrachloro-m-xylene	119	30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63408

Method: 8082
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-63408/2-A	Analysis Batch:	360-63469	Instrument ID:	Inst. P
Client Matrix:	Water	Prep Batch:	360-63408	Lab File ID:	P5123.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/22/2010 1952			Final Weight/Volume:	5.0 mL
Date Prepared:	09/21/2010 1105			Injection Volume:	2 uL
				Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 360-63408/3-A	Analysis Batch:	360-63469	Instrument ID:	Inst. P
Client Matrix:	Water	Prep Batch:	360-63408	Lab File ID:	P5124.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/22/2010 2017			Final Weight/Volume:	5.0 mL
Date Prepared:	09/21/2010 1105			Injection Volume:	2 uL
				Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	122	117	40 - 140	4	20		
PCB-1260	117	115	40 - 140	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	135	119	30 - 150
Tetrachloro-m-xylene	111	107	30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63408

Method: 8082
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-63408/2-A	Analysis Batch:	360-63469	Instrument ID:	Inst. P
Client Matrix:	Water	Prep Batch:	360-63408	Lab File ID:	P5123.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/22/2010 1952			Final Weight/Volume:	5.0 mL
Date Prepared:	09/21/2010 1105			Injection Volume:	2 uL
				Column ID:	SECONDARY

LCSD Lab Sample ID:	LCSD 360-63408/3-A	Analysis Batch:	360-63469	Instrument ID:	Inst. P
Client Matrix:	Water	Prep Batch:	360-63408	Lab File ID:	P5124.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/22/2010 2017			Final Weight/Volume:	5.0 mL
Date Prepared:	09/21/2010 1105			Injection Volume:	2 uL
				Column ID:	SECONDARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	113	113	40 - 140	0.3	20		
PCB-1260	112	106	40 - 140	5	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	131	118	30 - 150
Tetrachloro-m-xylene	110	103	30 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63359

Method: CT ETPH
Preparation: 3546

Lab Sample ID:	MB 360-63359/1-A	Analysis Batch:	360-63515	Instrument ID:	Inst. F
Client Matrix:	Solid	Prep Batch:	360-63359	Lab File ID:	F175535.D
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/23/2010 0358			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422			Injection Volume:	1 uL

Analyte	Result	Qual	RL
C9-C36	ND		3.3

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	67	50 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63359

Method: CT ETPH
Preparation: 3546

LCS Lab Sample ID:	LCS 360-63359/2-A	Analysis Batch:	360-63515	Instrument ID:	Inst. F
Client Matrix:	Solid	Prep Batch:	360-63359	Lab File ID:	F175536.D
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/23/2010 0428			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 360-63359/3-A	Analysis Batch:	360-63515	Instrument ID:	Inst. F
Client Matrix:	Solid	Prep Batch:	360-63359	Lab File ID:	F175537.D
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/23/2010 0458			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422			Injection Volume:	1 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
C9-C36	86	89	60 - 120	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	72	75	50 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-63359

Method: CT ETPH
Preparation: 3546

MS Lab Sample ID:	360-30180-3	Analysis Batch:	360-63515	Instrument ID:	Inst. F
Client Matrix:	Solid	Prep Batch:	360-63359	Lab File ID:	F175550.D
Dilution:	1.0			Initial Weight/Volume:	30.13 g
Date Analyzed:	09/23/2010 1205			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422			Injection Volume:	1 uL

MSD Lab Sample ID:	360-30180-3	Analysis Batch:	360-63515	Instrument ID:	Inst. F
Client Matrix:	Solid	Prep Batch:	360-63359	Lab File ID:	F175551.D
Dilution:	1.0			Initial Weight/Volume:	30.15 g
Date Analyzed:	09/23/2010 1235			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422			Injection Volume:	1 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
C9-C36	86	77	50 - 150	9	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
o-Terphenyl	61	58	50 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63368

Method: CT ETPH
Preparation: 3510C

Lab Sample ID:	MB 360-63368/1-A	Analysis Batch:	360-63580	Instrument ID:	Inst. F
Client Matrix:	Water	Prep Batch:	360-63368	Lab File ID:	F175591.D
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/24/2010 0938			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1534			Injection Volume:	1 uL

Analyte	Result	Qual	RL
C9-C36	ND		0.10

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	85	50 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63368

Method: CT ETPH
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-63368/2-A	Analysis Batch:	360-63515	Instrument ID:	Inst. F
Client Matrix:	Water	Prep Batch:	360-63368	Lab File ID:	F175562.D
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/23/2010 1830			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1534			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 360-63368/3-A	Analysis Batch:	360-63515	Instrument ID:	Inst. F
Client Matrix:	Water	Prep Batch:	360-63368	Lab File ID:	F175563.D
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/23/2010 1900			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1534			Injection Volume:	1 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
C9-C36	76	97	60 - 120	24	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	67	86	50 - 150

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 220-43045

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 220-43045/1-A	Analysis Batch:	220-43070	Instrument ID:	ICAP3
Client Matrix:	Water	Prep Batch:	220-43045	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	100 mL
Date Analyzed:	09/27/2010 1646			Final Weight/Volume:	50 mL
Date Prepared:	09/27/2010 1211				

Analyte	Result	Qual	RL
Lead	ND		15

TCLP SPLPE Leachate Blank - Batch: 220-43045

Method: 6010B
Preparation: 3010A
SPLP East

Lab Sample ID:	LB 220-42971/1-E	Analysis Batch:	220-43070	Instrument ID:	ICAP3
Client Matrix:	Solid	Prep Batch:	220-43045	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	100 mL
Date Analyzed:	09/27/2010 1652			Final Weight/Volume:	50 mL
Date Prepared:	09/27/2010 1211				
Date Leached:	09/23/2010 1840	Leachate Batch:	220-42971		

Analyte	Result	Qual	RL
Lead	ND		15

Lab Control Sample - Batch: 220-43045

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 220-43045/2-A	Analysis Batch:	220-43070	Instrument ID:	ICAP3
Client Matrix:	Water	Prep Batch:	220-43045	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/27/2010 1649			Final Weight/Volume:	50 mL
Date Prepared:	09/27/2010 1211				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	1000	1020	102	80 - 120	

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63296

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 360-63296/1-A	Analysis Batch:	360-63396	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-63296	Lab File ID:	092010c.csv
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/20/2010 1547			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0728				

Analyte	Result	Qual	RL
Antimony	ND		6.0
Arsenic	ND		10
Barium	ND		10
Beryllium	ND		1.0
Cadmium	ND		1.0
Chromium	ND		5.0
Copper	ND		10
Lead	ND		6.0
Nickel	ND		10
Selenium	ND		10
Thallium	ND		10
Vanadium	ND		10
Zinc	ND		50
Silver	ND		5.0

Client: Tighe & Bond

Job Number: 360-30180-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63296

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID:	LCS 360-63296/2-A	Analysis Batch:	360-63396	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-63296	Lab File ID:	092010c.csv
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/20/2010 1550			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0728				

LCSD Lab Sample ID:	LCSD 360-63296/3-A	Analysis Batch:	360-63396	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-63296	Lab File ID:	092010c.csv
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/20/2010 1553			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0728				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Antimony	104	104	80 - 120	0.2	20		
Arsenic	102	102	80 - 120	0.4	20		
Barium	107	107	80 - 120	0.3	20		
Beryllium	102	102	80 - 120	0.5	20		
Cadmium	103	104	80 - 120	0.5	20		
Chromium	106	107	80 - 120	0.2	20		
Copper	108	105	80 - 120	2	20		
Lead	105	105	80 - 120	0.4	20		
Nickel	105	106	80 - 120	0.9	20		
Selenium	101	101	80 - 120	0.3	20		
Thallium	102	103	80 - 120	0.9	20		
Vanadium	106	107	80 - 120	0.6	20		
Zinc	101	101	80 - 120	0.4	20		
Silver	104	105	80 - 120	0.2	20		

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63334

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 360-63334/1-A	Analysis Batch:	360-63425	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-63334	Lab File ID:	092110b.csv
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.00 g
Date Analyzed:	09/21/2010 1340			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

Analyte	Result	Qual	RL
Antimony	ND		0.50
Arsenic	ND		1.0
Barium	ND		0.50
Beryllium	ND		0.20
Cadmium	ND		0.20
Chromium	ND		0.50
Copper	ND		1.0
Lead	ND		0.50
Nickel	ND		1.0
Selenium	ND		0.50
Thallium	ND		1.0
Vanadium	ND		1.0
Zinc	ND		2.5
Silver	ND		0.50

Client: Tighe & Bond

Job Number: 360-30180-1

LCS-Certified Reference Material/
LCSD - Standard Reference Material Recovery Report - Batch:

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCSSRM 360-63334/2-A	Analysis Batch:	360-63425	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-63334	Lab File ID:	092110b.csv
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.0 g
Date Analyzed:	09/21/2010 1343			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

LCSD Lab Sample ID:	LCDSRM 360-63334/3-A	Analysis Batch:	360-63425	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-63334	Lab File ID:	092110b.csv
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.0 g
Date Analyzed:	09/21/2010 1346			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Antimony	32	28	10.0 - 110	15	30		
Arsenic	81	77	55.4 - 110	5	30		
Barium	83	80	64.6 - 110	4	30		
Beryllium	79	74	53.3 - 110	7	30		
Cadmium	71	68	50.4 - 110	5	30		
Chromium	76	71	50.1 - 110	7	30		
Copper	76	73	52.0 - 111	4	30		
Lead	79	76	60.8 - 110	4	30		
Nickel	72	68	51.1 - 110	5	30		
Selenium	71	65	43.8 - 110	8	30		
Thallium	78	74	52.2 - 110	5	30		
Vanadium	78	69	43.5 - 110	13	30		
Zinc	74	70	53.2 - 110	5	30		
Silver	86	82	52.5 - 110	4	30		

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63389

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 360-63389/1-A	Analysis Batch:	360-63421	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-63389	Lab File ID:	092110B.PRN
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	09/21/2010 1312			Final Weight/Volume:	10 mL
Date Prepared:	09/21/2010 0852				

Analyte	Result	Qual	RL
Mercury	ND		0.20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63389

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 360-63389/2-A	Analysis Batch:	360-63421	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-63389	Lab File ID:	092110B.PRN
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	09/21/2010 1314			Final Weight/Volume:	10 mL
Date Prepared:	09/21/2010 0852				

LCSD Lab Sample ID:	LCSD 360-63389/3-A	Analysis Batch:	360-63421	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-63389	Lab File ID:	092110B.PRN
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	09/21/2010 1316			Final Weight/Volume:	10 mL
Date Prepared:	09/21/2010 0852				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	108	107	80 - 120	1	20		

Matrix Spike - Batch: 360-63389

Method: 7470A
Preparation: 7470A

Lab Sample ID:	360-30180-8	Analysis Batch:	360-63421	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-63389	Lab File ID:	092110B.PRN
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	09/21/2010 1321			Final Weight/Volume:	10 mL
Date Prepared:	09/21/2010 0852				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	ND	5.00	5.39	108	75 - 125	

Client: Tighe & Bond

Job Number: 360-30180-1

Duplicate - Batch: 360-63389

Method: 7470A
Preparation: 7470A

Lab Sample ID:	360-30180-8	Analysis Batch:	360-63421	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-63389	Lab File ID:	092110B.PRN
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	09/21/2010 1319			Final Weight/Volume:	10 mL
Date Prepared:	09/21/2010 0852				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	ND	ND	NC	20	

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63323

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 360-63323/1-A	Analysis Batch:	360-63413	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-63323	Lab File ID:	092110A.PRN
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.20 g
Date Analyzed:	09/21/2010 1134			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0909				

Analyte	Result	Qual	RL
Mercury	ND		0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63323

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID:	LCS 360-63323/2-A	Analysis Batch:	360-63413	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-63323	Lab File ID:	092110A.PRN
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.20 g
Date Analyzed:	09/21/2010 1136			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0909				

LCSD Lab Sample ID:	LCSD 360-63323/3-A	Analysis Batch:	360-63413	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-63323	Lab File ID:	092110A.PRN
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.20 g
Date Analyzed:	09/21/2010 1138			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0909				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	98	97	80 - 120	2	30		

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63541

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 360-63541/1-A	Analysis Batch:	360-63600	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	360-63541	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	50 mL
Date Analyzed:	09/24/2010 1021			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1056				

Analyte	Result	Qual	RL
Cyanide, Total	ND		0.020

LCS-Certified Reference Material - Batch: 360-63541

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LCSSRM 360-63541/2-A	Analysis Batch:	360-63600	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	360-63541	Lab File ID:	N/A
Dilution:	20	Units:	mg/Kg	Initial Weight/Volume:	1.50 g
Date Analyzed:	09/24/2010 1022			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1056				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	111	42.8	39	20.99 - 298	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-63541

Method: 9012A
Preparation: 9012A

MS Lab Sample ID:	360-30180-1	Analysis Batch:	360-63600	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	360-63541	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	3.06 g
Date Analyzed:	09/24/2010 1024			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1056				

MSD Lab Sample ID:	360-30180-1	Analysis Batch:	360-63600	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	360-63541	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	3.08 g
Date Analyzed:	09/24/2010 1025			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1056				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide, Total	103	103	75 - 125	0.4	35		

Client: Tighe & Bond

Job Number: 360-30180-1

Method Blank - Batch: 360-63559

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 360-63559/1-A	Analysis Batch:	360-63603	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	360-63559	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/24/2010 1045			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1602				

Analyte	Result	Qual	RL
Cyanide, Total	ND		0.010

Lab Control Sample - Batch: 360-63559

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LCS 360-63559/2-A	Analysis Batch:	360-63603	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	360-63559	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/24/2010 1046			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1602				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.100	0.0975	98	85 - 115	

CTETPH - MASS DISCRIMINATION CHECK

Date: 09/23/10 08:40
Job #: **360-30180**
Analyst: **BB**

Sample Name: **2100ug/mL CTETPH STD F175530.D**

Name	Target Response	Response factor	% DIFF (+- 20%)		Mass Discrimination from C9 (<10%)
C9	850438	5669.586667	-1.28		
C10	843395	5622.633333	-2.10		0.83
C12	857530	5716.866667	-0.46		-0.83
C14	869452	5796.346667	0.93		-2.21
C16	872785	5818.566667	1.32		-2.59
C18	839391	5595.94	-2.56		1.31
C19	838250	5588.333333	-2.69		1.44
C20	829896	5532.64	-3.66		2.44
C22	855835	5705.566667	-0.65		-0.63
C24	873091	5820.606667	1.35		-2.63
C26	887592	5917.28	3.03		-4.28
C28	873283	5821.886667	1.37		-2.65
C30	905484	6036.56	5.11		-6.27
C36	863904	5759.36	0.28		-1.57
Average RF		5743.012381			

NOTE: Mass Discrimination cannot exceed 50% difference (20% is the target).

CTETPH - MASS DISCRIMINATION CHECK

Date: 09/23/10 13:57
Job #: **360-30180**
Analyst: **BB**

Sample Name: **2100ug/mL CTETPH STD F175553.D**

Name	Target Response	Response factor	% DIFF (+- 20%)		Mass Discrimination from C9 (<10%)
C9	817461	5449.74	-1.17		
C10	798597	5323.98	-3.45		2.33
C12	822355	5482.366667	-0.57		-0.60
C14	830120	5534.133333	0.37		-1.54
C16	836096	5573.973333	1.09		-2.25
C18	809034	5393.56	-2.18		1.04
C19	812720	5418.133333	-1.74		0.58
C20	806463	5376.42	-2.50		1.35
C22	827837	5518.913333	0.09		-1.26
C24	839471	5596.473333	1.50		-2.66
C26	851620	5677.466667	2.96		-4.09
C28	832510	5550.066667	0.65		-1.82
C30	864988	5766.586667	4.58		-5.65
C36	830130	5534.2	0.37		-1.54
Average RF		5514.000952			

NOTE: Mass Discrimination cannot exceed 50% difference (20% is the target).

CTETPH - MASS DISCRIMINATION CHECK

Date: 09/24/10 03:22
Job #: **360-30180**
Analyst: **BB**

Sample Name: **2100ug/mL CTETPH STD F175580.D**

Name	Target Response	Response factor	% DIFF (+- 20%)		Mass Discrimination from C9 (<10%)
C9	855803	5705.353333	-1.97		
C10	849875	5665.833333	-2.65		0.70
C12	871638	5810.92	-0.16		-1.83
C14	876287	5841.913333	0.37		-2.37
C16	881275	5875.166667	0.95		-2.93
C18	867746	5784.973333	-0.60		-1.39
C19	871885	5812.566667	-0.13		-1.86
C20	863333	5755.553333	-1.11		-0.88
C22	880514	5870.093333	0.86		-2.85
C24	889861	5932.406667	1.93		-3.90
C26	903391	6022.606667	3.48		-5.41
C28	883578	5890.52	1.21		-3.19
C30	907530	6050.2	3.95		-5.87
C36	819514	5463.426667	-6.13		4.33
Average RF		5820.109524			

NOTE: Mass Discrimination cannot exceed 50% difference (20% is the target).

State Accreditation Matrix

Method Name	Description	State where Primary Accreditation is Carried				
		New Hampshire (NELAC) prim.	Mass	Conn	Florida (NELAC)	North Carolina
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)	NP			NP	
SM 4500 Cl F	Chlorine, Residual		NP			
SM 9215E	Heterotrophic Plate Count (SimPlate)		P			
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP			
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P			
SM 9224	Coliforms, Total, and E.Coli (Enumeration)		P			
1103.1	E.coli		ambient/ source			
Enterolert	Enterococcus					
200.8 Rev 5.4	Metals (ICP/MS) (list upon request)	NP/P	NP/P	NP/P		
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	NP/P		
6010B	Metals (ICP)(list upon request)	NP/SW		NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	NP/P		
7470A	Mercury (CVAA)	NP		NP		
7471A	Mercury (CVAA)	SW		SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	NP/P		
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		NP/P		
3010A	Preparation, Total Metals	NP/P		NP/P		
3020A	Preparation, Total Metals	NP/P/SW		NP/P/SW		
3050B	Preparation, Metals	SW		SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)	P	P	P		
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	NP		
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP		NP		
3546	Microwave Extraction	SW				
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		NP		
3540C	Soxhlet Extraction	SW				
3550B	Ultrasonic Extraction	SW		SW		
600/4-81-045	Polychlorinated Biphenyls (PCBs) (GC)		NP	NP		
8081A	Organochlorine Pesticides (GC)(list upon request)	NP/SW		NP/SW		
8082A	PCBs by Gas Chromatography(list upon request)	NP/SW		NP/SW		
8270C	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)			NP/SW		
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	P		
524.2	Trihalomethane compounds	P	P	P		
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	NP		
5035	Closed System Purge and Trap	SW		SW		
5030B	Purge and Trap	NP		NP		
8260B	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
180.1	Turbidity, Nephelometric	P	P	P		
300	Anions, Ion Chromatography	NP/P	NP/P	NP/P		
410.4	COD	NP	NP	NP		
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	NP		
7196A	Chromium, Hexavalent	NP/SW		NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		NP		
9040B	pH	NP		NP		
9045C	pH	SW		SW		
L107041C	Nitrogen, Nitrate	NP	P	NP/P		
L107-06-1B	Nitrogen Ammonia	NP	NP	NP/P		
L204001A CN	Cyanide, Total	P	NP/P	NP/P		
L210-001A	Phenolics, Total Recoverable	NP	NP	NP		
SM 2320B	Alkalinity	NP/P	NP/P	NP/P		
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	NP/P		
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	NP/P		
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	NP		
SM 3500 CR D	Chromium, Hexavalent	NP		NP		
SM 4500 H+ B	pH	NP/P	NP/P	NP/P		
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	NP/P		
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	NP/P		
SM 4500 P E	Phosphorus, Total	NP	NP	NP		
SM 4500 S2 D	Sulfide, Total	NP		NP		
SM 5210B	BOD, 5-Day	NP	NP	NP		
SM 5310B	Organic Carbon, Total (TOC)	NP/P	NP	NP/P		

Not all organic compounds are accreditied under NELAC
For methods with multiple compounds all compounds may not meet NELAC criteria, listing should be obtained from the laboratory
The lab carries additional accreditations with several states. This is the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-30180-1

Login Number: 30180

List Source: TestAmerica Westfield

Creator: Cagan, Marissa

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	3.0C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-30180-1

Login Number: 30180
Creator: Teixeira, Maria L
List Number: 1

List Source: TestAmerica Connecticut
List Creation: 09/18/10 01:54 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	9/18/10
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2C GUN#3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mason, Becky C	Carrier Tracking No(s):	COC No: 360-5276.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: becky.mason@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 360-30180-1
Address: 128 Long Hill Cross Road, ,	Due Date Requested: 9/24/2010			
City: Shelton	TAT Requested (days):			
State, Zip: CT, 06484				
Phone: 203-929-8140(Tel) 203-929-8142(Fax)	PO #:			
Email:	WO #:			
Project Name: 22-0817 Meriden Brownfields	Project #: 36002340			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010RCP/1312_E_M (MOD) Client Specific List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
B-100 (1-2') (360-30180-1)	9/16/10	08:45 Eastern		Solid			X	1	
B-103 (1-2') (360-30180-4)	9/16/10	09:30 Eastern		Solid			X	1	RCP
B104 (4-5') (360-30180-5)	9/16/10	14:30 Eastern		Solid			X	1	

passed rad screen

VA 9/17/10

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: Gun #3 1.2°C

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 9/17/10 1017	Company: TAL Wall	Received by:	Date/Time: 9.18.10 1000	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Form

011079

●53 Southampton Road
Westfield, MA 01085
(P) 413-572-4000
(F) 413-572-3707
Westfield

●240 Bear Hill Rd., Suite 104
Waltham, MA 02451
(P) 781-466-6900
(F) 781-466-6901
Boston - Service Center

Job# 3C0-30180 | Quote# | PO#

Client: Tighe & Bond
Address: 213 Court St Suite 900
Middletown, CT 06457
Phone: Fax:

Client Project #: 22-0817
Site ID & State: 116 Cook Ave, CT
Reports Sent To: Meghan Schaub
Email: mmschaub@tigheband.com Email Rpt: ☑

Shaded areas for office use.
Invoice same as Report to? ☑
If Invoice contact or address different, note in Comments

Comments (Special Instructions)

Please print legibly. If the analytical requests are not clearly defined on the chain-of-custody, the turnaround time will begin after all questions have been satisfactorily answered.

Requested Turnaround Time (PLEASE SPECIFY)
STANDARD ✓ 5 DAY
RUSH (Lab Approval Required)

Regulatory Programs/Presumptive Certainty/QC Forms
MADEP MCP ☐ GW1/S1 ☐ PWS DEP Forms ☐
CTDEP RCP ☑ CT RSR ☑ EDD Required ☐
Std Rpt (L1) ☐ Rpt + QC(L2./MCP ☑ CLP Rpt (L3 or L4) ☐

500-series for drinking water
600-series for wastewater, NPDES
6000-series for groundwater, soil, waste
8000-series for groundwater, soil, waste
Use comments section to further define.

Sample Type Codes: WW-Wastewater, DW-Drinking Water, SW-Surface Water, GW-Groundwater, LW Lab Water, A-Air, S-Solids/Soil O-Oil, "Z"- Other

Sample I.D.	Sample Type	Sampler's Initials	Date Time Collected	pH ✓ (lab use only)	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >12	Na2S2O3	None / 4° C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity	Cyanide
B-100 (1-2')	S	MMS	9-16-10 0845				6	P+G							X	X	X	X		X	2					X
B-101 (1-2')	S	MMS	9-16-10 1015				6	P+G							X	X	X	X		X	1					X
B-102 (1-2')	S	MMS	9-16-10 1210				6	P+G							X	X	X	X		X	1					X
B-103 (1-2')	S	MMS	9-16-10 0930				6	P+G							X	X	X	X		X	2					X
B-104 (4-5')	S	MMS	9-16-10 1430				5	P+G							X	X	X	X		X	2					X
B-104 (11-12')	S	MMS	9-16-10 1500				5	P+G							X	X	X			X						
TB-1	from lab		9-16-10				1	G								X										
EB-1	W	MMS	9-16-10 1730				9	P+G		X		X	X		X	X	X	X		X	1					X

Comments:
Metals: (1) RCP Metals
(2) Total Lead and SPLP Lead
PCBs: Soxhlet extraction
Meriden Brownfields Price Quote
TA IT+B QAPP

MC 9/17/10

Signature: [signature]

Sampled by (print): Meghan Schaub

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	9-16-10	1830	T+B Sample Fridge	9-16-10	1830
[signature]	9-17-10	0930	[signature]	9-17-10	0930
[signature]	9/17/10	1110	[signature]	9/17/10	1110

Cooler ? (Y) N
MADEP Requirement Samples Iced? (Y) / N
Temp @ receipt: 3.0 °C
Preservation / pH checked? (Y) / N
By: MC Date: 9/17/10

White = Lab file Pink = Customer copy

TestAmerica Westfield
WI-QA-010-REV 8

Page 1 of 1

ANALYTICAL REPORT

Job Number: 360-30197-1

Job Description: Meriden Brownfields

For:
Tighe & Bond
213 Court Street
Middletown, CT 06457

Attention: Jim Olsen

Approved for release.
Joe Chimi
Report Production Representative
9/29/10 11:00 AM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
09/29/2010

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. TestAmerica Westfield Certifications and Approvals: MADEP MA014, RIDOH57, CTDPH 0494, VT DECWSD, NH DES 2539, NELAP FL E87912 TOX, NELAP NJ MA008 TOX, NELAP NY 10843, NY ELAP 10843, North Carolina 647, NELAP PA 68-04386. Field sampling is performed under SOPs WE-FLD-001 and WE-FLD-002.

TestAmerica Laboratories, Inc.
TestAmerica Westfield Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085
Tel (413) 572-4000 Fax (413) 572-3707 www.testamericainc.com

Table of Contents

Cover Title Page 1

Report Narrative 3

Executive Summary 22

Method Summary 26

Method / Analyst Summary 28

Sample Summary 29

Sample Results 30

Sample Datasheets 31

Data Qualifiers 119

QC Results 120

Qc Association Summary 121

Surrogate Recovery Report 131

Qc Reports 139

Shipping and Receiving Documents 169

Sample Receipt Checklist 173

Interlab Coc (where applicable) 175

Client Chain of Custody 176

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30197-1**
Laboratory Sample ID (s):	**360-30197-(1-5, 7-8, 11)**	***Sampling Date (s):***	**9/17/10**
Method:	**SW846 8260B (Soil)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/29/10 9:15

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA014
NY DOH 10843
RI DOH 57
CT DPH 0494
VT DECWSD

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NH DES 253901-A

TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30197-1**
Laboratory Sample ID (s):	**360-30197-(12-13)**	***Sampling Date (s):***	**9/17/10**
Method:	**SW846 8260B (Water)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/29/10 9:15

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30197-1**
Laboratory Sample ID (s):	**360-30197-(1-5, 7-8, 11)**	***Sampling Date (s):***	**9/17/10**
Method:	**SW846 8270C (Soil)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No √
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/29/10 9:15

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30197-1**
Laboratory Sample ID (s):	**360-30197-12**	***Sampling Date (s):***	**9/17/10**
Method:	**SW846 8270C (Water)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No √
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/29/10 9:15

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA014
NY DOH 10843
RI DOH 57
CT DPH 0494
VT DECWSD

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NH DES 253901-A

TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

WI-QA-038

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30197-1**
Laboratory Sample ID (s):	**360-30197-(1-9,11)**	***Sampling Date (s):***	**9/17/10**
Method:	**SW846 8082 (Soil)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/29/10 9:15

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA014
NY DOH 10843
RI DOH 57
CT DPH 0494
VT DECWSD

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NH DES 253901-A

TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

WI-QA-038

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30197-1**
Laboratory Sample ID (s):	**360-30197-12**	***Sampling Date (s):***	**9/17/10**
Method:	**SW846 8082 (Water)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/29/10 9:15

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30197-1**
Laboratory Sample ID (s):	**360-30197-(1-5, 7-11)**	***Sampling Date (s):***	**9/17/10**
Method:	**STATE CT ETPH (Soil)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/29/10 9:15

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30197-1**
Laboratory Sample ID (s):	**360-30197-12**	***Sampling Date (s):***	**9/17/10**
Method:	**STATE CT ETPH (Water)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/29/10 9:15

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA014
NY DOH 10843
RI DOH 57
CT DPH 0494
VT DECWSD

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NH DES 253901-A

TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

WI-QA-038

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30197-1**
Laboratory Sample ID (s):	**360-30197-(1-5, 7-8, 11, 14)**	***Sampling Date (s):***	**9/17/10**
Method:	**SW846 6010B (Soil)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No √
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/29/10 9:15

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30197-1**
Laboratory Sample ID (s):	**360-30197-12**	***Sampling Date (s):***	**9/17/10**
Method:	**SW846 6010B (Water)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/29/10 9:15

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30197-1**
Laboratory Sample ID (s):	**360-30197-12**	***Sampling Date (s):***	**9/17/10**
Method:	**SW846 7470**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/29/10 9:15

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30197-1**
Laboratory Sample ID (s):	**360-30197-(1, 4-5, 7-8, 14)**	***Sampling Date (s):***	**9/17/10**
Method:	**SW846 7471A**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/29/10 9:15

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA014
NY DOH 10843
RI DOH 57
CT DPH 0494
VT DECWSD

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NH DES 253901-A

TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30197-1**
Laboratory Sample ID (s):	**360-30197-(1-5, 7-8, 11)**	***Sampling Date (s):***	**9/17/10**
Method:	**SW846 9012A (Soil)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/29/10 9:15

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30197-1**
Laboratory Sample ID (s):	**360-30197-12**	***Sampling Date (s):***	**9/17/10**
Method:	**SW846 9012A (Water)**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/29/10 9:15

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	**TestAmerica Connecticut**	***Client:***	**Tighe & Bond**
Project Location:	**Meriden Brownfields**	***Project Number:***	**360-30197**
Laboratory Sample ID (s):	**360-30197 2,3,11**	***Sampling Date (s):***	**9/17/10**
RCP Method:	**6010, 1312**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes X		No
1A	Were the method specified preservation and holding time requirements met?	Yes X		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A X	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes X		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes X		No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes X		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes X		No
	b) Were these reporting limits met? (Refer to Report Narrative)	Yes X		No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No X
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No X

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Doreen Nemeth Position: Quality Assurance Manager

Printed Name: **Doreen Nemeth** Date: September 28, 2010

The certification form has been electronically signed and approved.

Updated November 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CTDEP PH-0497

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Fax:(203)929-8142 Tel:(203)929-8140

CASE NARRATIVE

Client: Tighe & Bond

Project: Meriden Brownfields

Report Number: 360-30197-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 09/17/2010; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 5.6 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2 C of the required temperature or method specified range. For samples with a specified temperature of 4 C, samples with a temperature ranging from just above freezing temperature of water to 6 C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Regarding questions 5a and 5b on the CT RCP certification form, the laboratory has evaluated reporting limits against the most stringent class criteria in the absence of a specified class on the chain-of-custody.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples B-105 (2-3) (360-30197-1), B-106 (3-4) (360-30197-2), B-107 (1-2) (360-30197-3), B-108 (1-2) (360-30197-4), B-109 (9-10) (360-30197-5), B-111 (1-2) (360-30197-7), B-112 (2-3) (360-30197-8) and DUP-1 (360-30197-11) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 09/17/2010 and analyzed on 09/22/2010.

Dichlorodifluoromethane failed the CCV criteria low.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples EB-2 (360-30197-12) and TB-2 (360-30197-13) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 09/20/2010.

2,2-Dichloropropane failed the recovery criteria high for LCS 360-63336/3. Refer to the QC report for details.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples B-105 (2-3) (360-30197-1), B-106 (3-4) (360-30197-2), B-107 (1-2) (360-30197-3), B-108 (1-2) (360-30197-4), B-109 (9-10)

(360-30197-5), B-111 (1-2) (360-30197-7), B-112 (2-3) (360-30197-8) and DUP-1 (360-30197-11) were analyzed for semivolatile organic compounds (GC-MS) in accordance with SW846 8270C. The samples were prepared on 09/20/2010 and analyzed on 09/23/2010, 09/24/2010, 09/25/2010 and 09/27/2010.

Perylene-d12 failed the internal standard criteria high for sample B-105 (2-3) (360-30197-1). Acenaphthene-d10, Perylene-d12 and Phenanthrene-d12 failed the internal standard criteria high for sample B-108 (1-2) (360-30197-4). Chrysene-d12 and Perylene-d12 failed the internal standard criteria high for sample B-111 (1-2) (360-30197-7). Each of these samples was re-analyzed with similar results. Both sets of results are reported herein.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

At the request of the client, an abbreviated RCP compound list (PAH's only) was reported for this job.

No other difficulties were encountered during the semivolatile organic compounds (GC-MS) analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample EB-2 (360-30197-12) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The sample was prepared on 09/20/2010 and analyzed on 09/25/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No difficulties were encountered during the SVOC analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples B-105 (2-3) (360-30197-1), B-106 (3-4) (360-30197-2), B-107 (1-2) (360-30197-3), B-108 (1-2) (360-30197-4), B-109 (9-10) (360-30197-5), B-110 (0-6") (360-30197-6), B-111 (1-2) (360-30197-7), B-112 (2-3) (360-30197-8), B-113 (.5-1.5') (360-30197-9) and DUP-1 (360-30197-11) were analyzed for polychlorinated biphenyls (PCBs) in accordance with SW846 8082. The samples were prepared on 09/20/2010 and analyzed on 09/22/2010.

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for B-105 (2-3) (360-30197-1), B-106 (3-4) (360-30197-2), B-111 (1-2) (360-30197-7), B-112 (2-3) (360-30197-8), B-113 (.5-1.5') (360-30197-9) and DUP-1 (360-30197-11). No target analytes were detected in these samples. Results would be biased high. Refer to the QC report for details.

For analytical batch 360-63445, PCB-1016 and PCB-1260 failed the criteria high for the closing CCV (1st column only). No target analytes were detected in the associated samples. Results would be biased high.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample EB-2 (360-30197-12) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The sample was prepared on 09/21/2010 and analyzed on 09/22/2010.

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for MB 360-63408/1-A. No target analytes were detected. Results would be biased high. Refer to the QC report for details.

For analytical batch 360-63469, PCB-1016 and PCB-1260 failed the criteria high for the opening CCV (1st column only). PCB-1016 failed the criteria high for the closing CCV (1st column only). PCB-1260 failed the criteria high for the closing CCV (1st and 2nd columns).No target analytes were detected in the associated samples. Results would be biased high.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS
Samples B-105 (2-3) (360-30197-1), B-106 (3-4) (360-30197-2), B-107 (1-2) (360-30197-3), B-108 (1-2) (360-30197-4), B-109 (9-10) (360-30197-5), B-111 (1-2) (360-30197-7), B-112 (2-3) (360-30197-8), B-113 (.5-1.5') (360-30197-9), B-114 (2-3) (360-30197-10) and DUP-1 (360-30197-11) were analyzed for extractable total petroleum hydrocarbons in accordance with CT ETPH. The samples were prepared on 09/20/2010 and analyzed on 09/23/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

Sample B-107 (1-2) (360-30197-3)[10X] required dilution prior to analysis due to its dark, oily appearance. Sample B-108 (1-2) (360-30197-4)[100X] required dilution prior to analysis due to high concentration. The reporting limits have been adjusted accordingly. For sample B-108 (1-2) (360-30197-4), the surrogate o-Terphenyl was diluted outside control limits.

No difficulties were encountered during the ETPH analyses.

All quality control parameters were within the acceptance limits.

EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS
Sample EB-2 (360-30197-12) was analyzed for extractable total petroleum hydrocarbons in accordance with State CT ETPH. The sample was prepared on 09/20/2010 and analyzed on 09/23/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No difficulties were encountered during the ETPH analysis.

All quality control parameters were within the acceptance limits.

SPLP METALS
Samples B-106 (3-4) (360-30197-2), B-107 (1-2) (360-30197-3) and DUP-1 (360-30197-11) were analyzed for SPLP Metals in accordance with EPA SW-846 Methods 1312/6010B (RCP). The samples were leached on 09/23/2010, and prepared and analyzed on 09/27/2010.

This analysis was performed at TestAmerica Connecticut, 128 Long Hill Cross Road, Shelton, CT 06484.

At the request of the client, an abbreviated RCP analyte list was reported for this job. Only Lead was requested.

No difficulties were encountered during the SPLP metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)
Samples B-105 (2-3) (360-30197-1), B-106 (3-4) (360-30197-2), B-107 (1-2) (360-30197-3), B-108 (1-2) (360-30197-4), B-109 (9-10) (360-30197-5), B-111 (1-2) (360-30197-7), B-112 (2-3) (360-30197-8), DUP-1 (360-30197-11) and DUP-2 (360-30197-14) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 09/20/2010 and analyzed on 09/21/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

Samples B-105 (2-3) (360-30197-1)[5X] and B-108 (1-2) (360-30197-4)[5X] required dilution prior to analysis due to high target concentration. The reporting limits have been adjusted accordingly.

At the request of the client, an abbreviated RCP analyte list was reported for samples B-106 (3-4) (360-30197-2), B-107 (1-2) (360-30197-3) and DUP-1 (360-30197-11). Only Lead was requested.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)
Sample EB-2 (360-30197-12) was analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The sample was

prepared on 09/20/2010 and analyzed on 09/22/2010.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY
Sample EB-2 (360-30197-12) was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The sample was prepared and analyzed on 09/21/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples B-105 (2-3) (360-30197-1), B-108 (1-2) (360-30197-4), B-109 (9-10) (360-30197-5), B-111 (1-2) (360-30197-7), B-112 (2-3) (360-30197-8) and DUP-2 (360-30197-14) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 09/20/2010 and analyzed on 09/21/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Samples B-105 (2-3) (360-30197-1), B-106 (3-4) (360-30197-2), B-107 (1-2) (360-30197-3), B-108 (1-2) (360-30197-4), B-109 (9-10) (360-30197-5), B-111 (1-2) (360-30197-7), B-112 (2-3) (360-30197-8) and DUP-1 (360-30197-11) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared on 09/23/2010 and analyzed on 09/24/2010.

No difficulties were encountered during the cyanide analyses.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Sample EB-2 (360-30197-12) was analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The sample was prepared on 09/23/2010 and analyzed on 09/24/2010.

No difficulties were encountered during the cyanide analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS
Samples B-105 (2-3) (360-30197-1), B-106 (3-4) (360-30197-2), B-107 (1-2) (360-30197-3), B-108 (1-2) (360-30197-4), B-109 (9-10) (360-30197-5), B-110 (0-6") (360-30197-6), B-111 (1-2) (360-30197-7), B-112 (2-3) (360-30197-8), B-113 (.5-1.5') (360-30197-9), B-114 (2-3) (360-30197-10), DUP-1 (360-30197-11) and DUP-2 (360-30197-14) were analyzed for percent solids in accordance with EPA Moisture. The samples were analyzed on 09/20/2010.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
360-30197-1	**B-105 (2-3)**				
C9-C36		16	4.0	mg/Kg	CT ETPH
Antimony		150	3.6	mg/Kg	6010B
Arsenic		33	7.2	mg/Kg	6010B
Barium		120	3.6	mg/Kg	6010B
Cadmium		10	1.4	mg/Kg	6010B
Chromium		13	3.6	mg/Kg	6010B
Copper		6000	7.2	mg/Kg	6010B
Lead		3200	3.6	mg/Kg	6010B
Nickel		110	7.2	mg/Kg	6010B
Vanadium		26	7.2	mg/Kg	6010B
Zinc		6000	18	mg/Kg	6010B
Silver		28	3.6	mg/Kg	6010B
Mercury		0.92	0.074	mg/Kg	7471A
Percent Moisture		18	1.0	%	Moisture
Percent Solids		82	1.0	%	Moisture
360-30197-2	**B-106 (3-4)**				
C9-C36		20	3.9	mg/Kg	CT ETPH
Lead		240	0.70	mg/Kg	6010B
Percent Moisture		15	1.0	%	Moisture
Percent Solids		85	1.0	%	Moisture
SPLP East					
Lead		37	15	ug/L	6010B
360-30197-3	**B-107 (1-2)**				
Anthracene		230	180	ug/Kg	8270C
Benzo[a]anthracene		1000	180	ug/Kg	8270C
Benzo[g,h,i]perylene		550	180	ug/Kg	8270C
Benzo[a]pyrene		1000	180	ug/Kg	8270C
Benzo[k]fluoranthene		640	190	ug/Kg	8270C
Benzo[b]fluoranthene		1300	180	ug/Kg	8270C
Chrysene		1100	180	ug/Kg	8270C
Fluoranthene		1800	180	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		520	360	ug/Kg	8270C
Phenanthrene		1000	180	ug/Kg	8270C
Pyrene		1800	180	ug/Kg	8270C
C9-C36		150	36	mg/Kg	CT ETPH
Lead		99	0.63	mg/Kg	6010B
Percent Moisture		9.2	1.0	%	Moisture
Percent Solids		91	1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
360-30197-4	**B-108 (1-2)**				
C9-C36		15000	380	mg/Kg	CT ETPH
Antimony		180	3.1	mg/Kg	6010B
Arsenic		31	6.1	mg/Kg	6010B
Barium		120	3.1	mg/Kg	6010B
Chromium		14	3.1	mg/Kg	6010B
Copper		5200	6.1	mg/Kg	6010B
Lead		4200	3.1	mg/Kg	6010B
Nickel		860	6.1	mg/Kg	6010B
Vanadium		35	6.1	mg/Kg	6010B
Zinc		1300	15	mg/Kg	6010B
Silver		37	3.1	mg/Kg	6010B
Mercury		0.61	0.089	mg/Kg	7471A
Cyanide, Total		0.43	0.38	mg/Kg	9012A
Percent Moisture		13	1.0	%	Moisture
Percent Solids		87	1.0	%	Moisture
360-30197-5	**B-109 (9-10)**				
n-Butylbenzene		1.6	0.49	ug/Kg	8260B
C9-C36		41	3.8	mg/Kg	CT ETPH
Arsenic		5.1	1.3	mg/Kg	6010B
Barium		39	0.66	mg/Kg	6010B
Beryllium		0.67	0.26	mg/Kg	6010B
Chromium		20	0.66	mg/Kg	6010B
Copper		29	1.3	mg/Kg	6010B
Lead		8.9	0.66	mg/Kg	6010B
Nickel		16	1.3	mg/Kg	6010B
Vanadium		67	1.3	mg/Kg	6010B
Zinc		50	3.3	mg/Kg	6010B
Percent Moisture		13	1.0	%	Moisture
Percent Solids		87	1.0	%	Moisture
360-30197-6	**B-110 (0-6")**				
Percent Moisture		19	1.0	%	Moisture
Percent Solids		81	1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
360-30197-7	**B-111 (1-2)**				
C9-C36		260	3.9	mg/Kg	CT ETPH
Arsenic		12	1.2	mg/Kg	6010B
Barium		410	0.61	mg/Kg	6010B
Beryllium		0.69	0.25	mg/Kg	6010B
Cadmium		0.88	0.25	mg/Kg	6010B
Chromium		25	0.61	mg/Kg	6010B
Copper		95	1.2	mg/Kg	6010B
Lead		930	0.61	mg/Kg	6010B
Nickel		24	1.2	mg/Kg	6010B
Vanadium		42	1.2	mg/Kg	6010B
Zinc		430	3.1	mg/Kg	6010B
Silver		2.9	0.61	mg/Kg	6010B
Mercury		0.33	0.087	mg/Kg	7471A
Percent Moisture		15	1.0	%	Moisture
Percent Solids		85	1.0	%	Moisture
360-30197-8	**B-112 (2-3)**				
C9-C36		51	3.9	mg/Kg	CT ETPH
Arsenic		6.6	1.2	mg/Kg	6010B
Barium		160	0.61	mg/Kg	6010B
Beryllium		0.90	0.24	mg/Kg	6010B
Cadmium		0.82	0.24	mg/Kg	6010B
Chromium		20	0.61	mg/Kg	6010B
Copper		50	1.2	mg/Kg	6010B
Lead		170	0.61	mg/Kg	6010B
Nickel		25	1.2	mg/Kg	6010B
Vanadium		36	1.2	mg/Kg	6010B
Zinc		350	3.0	mg/Kg	6010B
Silver		2.0	0.61	mg/Kg	6010B
Mercury		0.17	0.080	mg/Kg	7471A
Percent Moisture		17	1.0	%	Moisture
Percent Solids		83	1.0	%	Moisture
360-30197-9	**B-113 (.5-1.5')**				
C9-C36		72	3.9	mg/Kg	CT ETPH
Percent Moisture		17	1.0	%	Moisture
Percent Solids		83	1.0	%	Moisture
360-30197-10	**B-114 (2-3)**				
C9-C36		93	3.6	mg/Kg	CT ETPH
Percent Moisture		8.3	1.0	%	Moisture
Percent Solids		92	1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
360-30197-11	**DUP-1**				
Anthracene		230	180	ug/Kg	8270C
Benzo[a]anthracene		580	180	ug/Kg	8270C
Benzo[g,h,i]perylene		210	180	ug/Kg	8270C
Benzo[a]pyrene		560	180	ug/Kg	8270C
Benzo[k]fluoranthene		430	190	ug/Kg	8270C
Benzo[b]fluoranthene		680	180	ug/Kg	8270C
Chrysene		620	180	ug/Kg	8270C
Fluoranthene		1300	180	ug/Kg	8270C
Phenanthrene		1000	180	ug/Kg	8270C
Pyrene		1200	180	ug/Kg	8270C
C9-C36		44	3.6	mg/Kg	CT ETPH
Lead		59	0.55	mg/Kg	6010B
Percent Moisture		9.3	1.0	%	Moisture
Percent Solids		91	1.0	%	Moisture
360-30197-12	**EB-2**				
C9-C36		0.10	0.091	mg/L	CT ETPH
Copper		91	10	ug/L	6010B
360-30197-14	**DUP-2**				
Antimony		0.91	0.61	mg/Kg	6010B
Arsenic		9.6	1.2	mg/Kg	6010B
Barium		200	0.61	mg/Kg	6010B
Beryllium		0.98	0.24	mg/Kg	6010B
Cadmium		0.64	0.24	mg/Kg	6010B
Chromium		20	0.61	mg/Kg	6010B
Copper		59	1.2	mg/Kg	6010B
Lead		230	0.61	mg/Kg	6010B
Nickel		20	1.2	mg/Kg	6010B
Vanadium		38	1.2	mg/Kg	6010B
Zinc		200	3.0	mg/Kg	6010B
Silver		2.1	0.61	mg/Kg	6010B
Mercury		0.26	0.085	mg/Kg	7471A
Percent Moisture		16	1.0	%	Moisture
Percent Solids		84	1.0	%	Moisture

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 360-30197-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Closed System Purge and Trap	TAL WFD		SW846 5035
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL WFD	SW846 8270C	
Microwave Extraction	TAL WFD		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL WFD	SW846 8082	
Soxhlet Extraction	TAL WFD		SW846 3540C
Connecticut - Extractable Total petroleum Hydrocarbons (GC)	TAL WFD	STATE CT ETPH	
Microwave Extraction	TAL WFD		SW846 3546
Metals (ICP)	TAL CT	SW846 6010B	
SPLP Extraction	TAL CT		SW846 1312
Preparation, Total Metals	TAL CT		SW846 3010A
Metals (ICP)	TAL WFD	SW846 6010B	
Preparation, Metals	TAL WFD		SW846 3050B
Mercury (CVAA)	TAL WFD	SW846 7471A	
Preparation, Mercury	TAL WFD		SW846 7471A
Cyanide, Total and/or Amenable	TAL WFD	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation	TAL WFD		SW846 9012A
Percent Moisture	TAL WFD	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Purge and Trap	TAL WFD		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL WFD	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL WFD	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		SW846 3510C
Connecticut - Extractable Total petroleum Hydrocarbons (GC)	TAL WFD	STATE CT ETPH	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		SW846 3510C
Metals (ICP)	TAL WFD	SW846 6010B	
Preparation, Total Metals	TAL WFD		SW846 3010A
Mercury (CVAA)	TAL WFD	SW846 7470A	
Preparation, Mercury	TAL WFD		SW846 7470A
Cyanide, Total and/or Amenable	TAL WFD	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation	TAL WFD		SW846 9012A

Lab References:

TAL CT = TestAmerica Connecticut

TAL WFD = TestAmerica Westfield

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 360-30197-1

Description	Lab Location	Method	Preparation Method

Method References:

EPA = US Environmental Protection Agency

STATE = State of Connecticut Department of Public Health

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Tighe & Bond

Job Number: 360-30197-1

Method	Analyst	Analyst ID
SW846 8260B	Pham, Tam	TP
SW846 8260B	Rouleau, Catherine M	CMR
SW846 8270C	Tester, Carla	CT
SW846 8082	Weigel, Brian	BW
STATE CT ETPH	Bilodeau, Brian R	BRB
SW846 6010B	Petronchak, Nestor	NP
SW846 6010B	Smith, Tim J	TJS
SW846 7470A	Nasiatka, Ellen M	EMN
SW846 7471A	Nasiatka, Ellen M	EMN
SW846 9012A	Emerich, Rich W	RWE
EPA Moisture	Nasiatka, Ellen M	EMN

SAMPLE SUMMARY

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-30197-1	B-105 (2-3)	Solid	09/17/2010 0915	09/17/2010 1635
360-30197-2	B-106 (3-4)	Solid	09/17/2010 0930	09/17/2010 1635
360-30197-3	B-107 (1-2)	Solid	09/17/2010 0900	09/17/2010 1635
360-30197-4	B-108 (1-2)	Solid	09/17/2010 0830	09/17/2010 1635
360-30197-5	B-109 (9-10)	Solid	09/17/2010 1000	09/17/2010 1635
360-30197-6	B-110 (0-6")	Solid	09/17/2010 1045	09/17/2010 1635
360-30197-7	B-111 (1-2)	Solid	09/17/2010 1100	09/17/2010 1635
360-30197-8	B-112 (2-3)	Solid	09/17/2010 1145	09/17/2010 1635
360-30197-9	B-113 (.5-1.5')	Solid	09/17/2010 1050	09/17/2010 1635
360-30197-10	B-114 (2-3)	Solid	09/17/2010 1030	09/17/2010 1635
360-30197-11	DUP-1	Solid	09/17/2010 0830	09/17/2010 1635
360-30197-12	EB-2	Water	09/17/2010 1300	09/17/2010 1635
360-30197-13	TB-2	Water	09/17/2010 0830	09/17/2010 1635
360-30197-14	DUP-2	Solid	09/17/2010 0830	09/17/2010 1635

SAMPLE RESULTS

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-105 (2-3)**

Lab Sample ID: 360-30197-1

Client Matrix: Solid

% Moisture: 18.1

Date Sampled: 09/17/2010 0915

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49233.D
Dilution:	1.0			Initial Weight/Volume:	4.64 g
Date Analyzed:	09/22/2010 0043			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		66
Acrylonitrile		ND		6.6
Benzene		ND		0.66
Bromobenzene		ND		0.66
n-Butylbenzene		ND		0.66
sec-Butylbenzene		ND		0.66
tert-Butylbenzene		ND		0.66
Dichlorobromomethane		ND		0.66
Bromoform		ND		0.66
Bromomethane		ND		1.3
2-Butanone (MEK)		ND		6.6
Carbon disulfide		ND		0.66
Carbon tetrachloride		ND		0.66
Chlorobenzene		ND		0.66
Chloroethane		ND		1.3
Chloroform		ND		0.66
Chloromethane		ND		1.3
2-Chlorotoluene		ND		0.66
4-Chlorotoluene		ND		0.66
Chlorodibromomethane		ND		0.66
1,2-Dibromo-3-Chloropropane		ND		6.6
Dibromomethane		ND		0.66
1,2-Dichlorobenzene		ND		0.66
1,3-Dichlorobenzene		ND		0.66
1,4-Dichlorobenzene		ND		0.66
Dichlorodifluoromethane		ND		1.3
1,1-Dichloroethene		ND		0.66
1,1-Dichloroethane		ND		0.66
1,2-Dichloroethane		ND		0.66
cis-1,2-Dichloroethene		ND		0.66
1,2-Dichloropropane		ND		0.66
1,3-Dichloropropane		ND		0.66
2,2-Dichloropropane		ND		0.66
1,1-Dichloropropene		ND		0.66
cis-1,3-Dichloropropene		ND		0.66
trans-1,3-Dichloropropene		ND		0.66
Ethylbenzene		ND		0.66
Hexachlorobutadiene		ND		0.66
2-Hexanone		ND		6.6
Isopropylbenzene		ND		0.66
4-Isopropyltoluene		ND		0.66
Methylene Chloride		ND		2.6
4-Methyl-2-pentanone (MIBK)		ND		6.6
Methyl tert-butyl ether		ND		0.66
Naphthalene		ND		6.6
N-Propylbenzene		ND		0.66

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-105 (2-3)**

Lab Sample ID: 360-30197-1

Client Matrix: Solid

% Moisture: 18.1

Date Sampled: 09/17/2010 0915

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49233.D
Dilution:	1.0			Initial Weight/Volume:	4.64 g
Date Analyzed:	09/22/2010 0043			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Styrene		ND		0.66
1,1,1,2-Tetrachloroethane		ND		0.66
1,1,2,2-Tetrachloroethane		ND		0.66
Tetrachloroethene		ND		0.66
Tetrahydrofuran		ND		6.6
Toluene		ND		0.66
1,2,3-Trichlorobenzene		ND		0.66
1,2,4-Trichlorobenzene		ND		0.66
1,1,1-Trichloroethane		ND		0.66
1,1,2-Trichloroethane		ND		0.66
Trichloroethene		ND		0.66
Trichlorofluoromethane		ND		1.3
1,2,3-Trichloropropane		ND		0.66
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		3.3
1,2,4-Trimethylbenzene		ND		0.66
1,3,5-Trimethylbenzene		ND		0.66
Vinyl chloride		ND		0.66
Ethylene Dibromide		ND		0.66
trans-1,4-Dichloro-2-butene		ND		1.3
trans-1,2-Dichloroethene		ND		0.66
m-Xylene & p-Xylene		ND		1.3
o-Xylene		ND		0.66

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	104		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-106 (3-4)**

Lab Sample ID: 360-30197-2

Client Matrix: Solid

% Moisture: 15.0

Date Sampled: 09/17/2010 0930

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49234.D
Dilution:	1.0			Initial Weight/Volume:	5.59 g
Date Analyzed:	09/22/2010 0107			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		53
Acrylonitrile		ND		5.3
Benzene		ND		0.53
Bromobenzene		ND		0.53
n-Butylbenzene		ND		0.53
sec-Butylbenzene		ND		0.53
tert-Butylbenzene		ND		0.53
Dichlorobromomethane		ND		0.53
Bromoform		ND		0.53
Bromomethane		ND		1.1
2-Butanone (MEK)		ND		5.3
Carbon disulfide		ND		0.53
Carbon tetrachloride		ND		0.53
Chlorobenzene		ND		0.53
Chloroethane		ND		1.1
Chloroform		ND		0.53
Chloromethane		ND		1.1
2-Chlorotoluene		ND		0.53
4-Chlorotoluene		ND		0.53
Chlorodibromomethane		ND		0.53
1,2-Dibromo-3-Chloropropane		ND		5.3
Dibromomethane		ND		0.53
1,2-Dichlorobenzene		ND		0.53
1,3-Dichlorobenzene		ND		0.53
1,4-Dichlorobenzene		ND		0.53
Dichlorodifluoromethane		ND		1.1
1,1-Dichloroethene		ND		0.53
1,1-Dichloroethane		ND		0.53
1,2-Dichloroethane		ND		0.53
cis-1,2-Dichloroethene		ND		0.53
1,2-Dichloropropane		ND		0.53
1,3-Dichloropropane		ND		0.53
2,2-Dichloropropane		ND		0.53
1,1-Dichloropropene		ND		0.53
cis-1,3-Dichloropropene		ND		0.53
trans-1,3-Dichloropropene		ND		0.53
Ethylbenzene		ND		0.53
Hexachlorobutadiene		ND		0.53
2-Hexanone		ND		5.3
Isopropylbenzene		ND		0.53
4-Isopropyltoluene		ND		0.53
Methylene Chloride		ND		2.1
4-Methyl-2-pentanone (MIBK)		ND		5.3
Methyl tert-butyl ether		ND		0.53
Naphthalene		ND		5.3
N-Propylbenzene		ND		0.53

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-106 (3-4)**

Lab Sample ID: 360-30197-2

Client Matrix: Solid

% Moisture: 15.0

Date Sampled: 09/17/2010 0930

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49234.D
Dilution:	1.0			Initial Weight/Volume:	5.59 g
Date Analyzed:	09/22/2010 0107			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Styrene		ND		0.53
1,1,1,2-Tetrachloroethane		ND		0.53
1,1,2,2-Tetrachloroethane		ND		0.53
Tetrachloroethene		ND		0.53
Tetrahydrofuran		ND		5.3
Toluene		ND		0.53
1,2,3-Trichlorobenzene		ND		0.53
1,2,4-Trichlorobenzene		ND		0.53
1,1,1-Trichloroethane		ND		0.53
1,1,2-Trichloroethane		ND		0.53
Trichloroethene		ND		0.53
Trichlorofluoromethane		ND		1.1
1,2,3-Trichloropropane		ND		0.53
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.6
1,2,4-Trimethylbenzene		ND		0.53
1,3,5-Trimethylbenzene		ND		0.53
Vinyl chloride		ND		0.53
Ethylene Dibromide		ND		0.53
trans-1,4-Dichloro-2-butene		ND		1.1
trans-1,2-Dichloroethene		ND		0.53
m-Xylene & p-Xylene		ND		1.1
o-Xylene		ND		0.53

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-107 (1-2)**

Lab Sample ID: 360-30197-3

Client Matrix: Solid

% Moisture: 9.2

Date Sampled: 09/17/2010 0900

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49235.D
Dilution:	1.0			Initial Weight/Volume:	5.09 g
Date Analyzed:	09/22/2010 0131			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		54
Acrylonitrile		ND		5.4
Benzene		ND		0.54
Bromobenzene		ND		0.54
n-Butylbenzene		ND		0.54
sec-Butylbenzene		ND		0.54
tert-Butylbenzene		ND		0.54
Dichlorobromomethane		ND		0.54
Bromoform		ND		0.54
Bromomethane		ND		1.1
2-Butanone (MEK)		ND		5.4
Carbon disulfide		ND		0.54
Carbon tetrachloride		ND		0.54
Chlorobenzene		ND		0.54
Chloroethane		ND		1.1
Chloroform		ND		0.54
Chloromethane		ND		1.1
2-Chlorotoluene		ND		0.54
4-Chlorotoluene		ND		0.54
Chlorodibromomethane		ND		0.54
1,2-Dibromo-3-Chloropropane		ND		5.4
Dibromomethane		ND		0.54
1,2-Dichlorobenzene		ND		0.54
1,3-Dichlorobenzene		ND		0.54
1,4-Dichlorobenzene		ND		0.54
Dichlorodifluoromethane		ND		1.1
1,1-Dichloroethene		ND		0.54
1,1-Dichloroethane		ND		0.54
1,2-Dichloroethane		ND		0.54
cis-1,2-Dichloroethene		ND		0.54
1,2-Dichloropropane		ND		0.54
1,3-Dichloropropane		ND		0.54
2,2-Dichloropropane		ND		0.54
1,1-Dichloropropene		ND		0.54
cis-1,3-Dichloropropene		ND		0.54
trans-1,3-Dichloropropene		ND		0.54
Ethylbenzene		ND		0.54
Hexachlorobutadiene		ND		0.54
2-Hexanone		ND		5.4
Isopropylbenzene		ND		0.54
4-Isopropyltoluene		ND		0.54
Methylene Chloride		ND		2.2
4-Methyl-2-pentanone (MIBK)		ND		5.4
Methyl tert-butyl ether		ND		0.54
Naphthalene		ND		5.4
N-Propylbenzene		ND		0.54

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-107 (1-2)**

Lab Sample ID: 360-30197-3

Client Matrix: Solid

% Moisture: 9.2

Date Sampled: 09/17/2010 0900

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49235.D
Dilution:	1.0			Initial Weight/Volume:	5.09 g
Date Analyzed:	09/22/2010 0131			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Styrene		ND		0.54
1,1,1,2-Tetrachloroethane		ND		0.54
1,1,2,2-Tetrachloroethane		ND		0.54
Tetrachloroethene		ND		0.54
Tetrahydrofuran		ND		5.4
Toluene		ND		0.54
1,2,3-Trichlorobenzene		ND		0.54
1,2,4-Trichlorobenzene		ND		0.54
1,1,1-Trichloroethane		ND		0.54
1,1,2-Trichloroethane		ND		0.54
Trichloroethene		ND		0.54
Trichlorofluoromethane		ND		1.1
1,2,3-Trichloropropane		ND		0.54
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.7
1,2,4-Trimethylbenzene		ND		0.54
1,3,5-Trimethylbenzene		ND		0.54
Vinyl chloride		ND		0.54
Ethylene Dibromide		ND		0.54
trans-1,4-Dichloro-2-butene		ND		1.1
trans-1,2-Dichloroethene		ND		0.54
m-Xylene & p-Xylene		ND		1.1
o-Xylene		ND		0.54

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	94		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-108 (1-2)**

Lab Sample ID: 360-30197-4

Client Matrix: Solid

% Moisture: 13.1

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49236.D
Dilution:	1.0			Initial Weight/Volume:	4.85 g
Date Analyzed:	09/22/2010 0155			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		59
Acrylonitrile		ND		5.9
Benzene		ND		0.59
Bromobenzene		ND		0.59
n-Butylbenzene		ND		0.59
sec-Butylbenzene		ND		0.59
tert-Butylbenzene		ND		0.59
Dichlorobromomethane		ND		0.59
Bromoform		ND		0.59
Bromomethane		ND		1.2
2-Butanone (MEK)		ND		5.9
Carbon disulfide		ND		0.59
Carbon tetrachloride		ND		0.59
Chlorobenzene		ND		0.59
Chloroethane		ND		1.2
Chloroform		ND		0.59
Chloromethane		ND		1.2
2-Chlorotoluene		ND		0.59
4-Chlorotoluene		ND		0.59
Chlorodibromomethane		ND		0.59
1,2-Dibromo-3-Chloropropane		ND		5.9
Dibromomethane		ND		0.59
1,2-Dichlorobenzene		ND		0.59
1,3-Dichlorobenzene		ND		0.59
1,4-Dichlorobenzene		ND		0.59
Dichlorodifluoromethane		ND		1.2
1,1-Dichloroethene		ND		0.59
1,1-Dichloroethane		ND		0.59
1,2-Dichloroethane		ND		0.59
cis-1,2-Dichloroethene		ND		0.59
1,2-Dichloropropane		ND		0.59
1,3-Dichloropropane		ND		0.59
2,2-Dichloropropane		ND		0.59
1,1-Dichloropropene		ND		0.59
cis-1,3-Dichloropropene		ND		0.59
trans-1,3-Dichloropropene		ND		0.59
Ethylbenzene		ND		0.59
Hexachlorobutadiene		ND		0.59
2-Hexanone		ND		5.9
Isopropylbenzene		ND		0.59
4-Isopropyltoluene		ND		0.59
Methylene Chloride		ND		2.4
4-Methyl-2-pentanone (MIBK)		ND		5.9
Methyl tert-butyl ether		ND		0.59
Naphthalene		ND		5.9
N-Propylbenzene		ND		0.59

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-108 (1-2)**

Lab Sample ID: 360-30197-4

Client Matrix: Solid

% Moisture: 13.1

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49236.D
Dilution:	1.0			Initial Weight/Volume:	4.85 g
Date Analyzed:	09/22/2010 0155			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Styrene		ND		0.59
1,1,1,2-Tetrachloroethane		ND		0.59
1,1,2,2-Tetrachloroethane		ND		0.59
Tetrachloroethene		ND		0.59
Tetrahydrofuran		ND		5.9
Toluene		ND		0.59
1,2,3-Trichlorobenzene		ND		0.59
1,2,4-Trichlorobenzene		ND		0.59
1,1,1-Trichloroethane		ND		0.59
1,1,2-Trichloroethane		ND		0.59
Trichloroethene		ND		0.59
Trichlorofluoromethane		ND		1.2
1,2,3-Trichloropropane		ND		0.59
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		3.0
1,2,4-Trimethylbenzene		ND		0.59
1,3,5-Trimethylbenzene		ND		0.59
Vinyl chloride		ND		0.59
Ethylene Dibromide		ND		0.59
trans-1,4-Dichloro-2-butene		ND		1.2
trans-1,2-Dichloroethene		ND		0.59
m-Xylene & p-Xylene		ND		1.2
o-Xylene		ND		0.59

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-109 (9-10)**

Lab Sample ID: 360-30197-5

Client Matrix: Solid

% Moisture: 13.0

Date Sampled: 09/17/2010 1000

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49237.D
Dilution:	1.0			Initial Weight/Volume:	5.83 g
Date Analyzed:	09/22/2010 0219			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		49
Acrylonitrile		ND		4.9
Benzene		ND		0.49
Bromobenzene		ND		0.49
n-Butylbenzene		1.6		0.49
sec-Butylbenzene		ND		0.49
tert-Butylbenzene		ND		0.49
Dichlorobromomethane		ND		0.49
Bromoform		ND		0.49
Bromomethane		ND		0.99
2-Butanone (MEK)		ND		4.9
Carbon disulfide		ND		0.49
Carbon tetrachloride		ND		0.49
Chlorobenzene		ND		0.49
Chloroethane		ND		0.99
Chloroform		ND		0.49
Chloromethane		ND		0.99
2-Chlorotoluene		ND		0.49
4-Chlorotoluene		ND		0.49
Chlorodibromomethane		ND		0.49
1,2-Dibromo-3-Chloropropane		ND		4.9
Dibromomethane		ND		0.49
1,2-Dichlorobenzene		ND		0.49
1,3-Dichlorobenzene		ND		0.49
1,4-Dichlorobenzene		ND		0.49
Dichlorodifluoromethane		ND		0.99
1,1-Dichloroethene		ND		0.49
1,1-Dichloroethane		ND		0.49
1,2-Dichloroethane		ND		0.49
cis-1,2-Dichloroethene		ND		0.49
1,2-Dichloropropane		ND		0.49
1,3-Dichloropropane		ND		0.49
2,2-Dichloropropane		ND		0.49
1,1-Dichloropropene		ND		0.49
cis-1,3-Dichloropropene		ND		0.49
trans-1,3-Dichloropropene		ND		0.49
Ethylbenzene		ND		0.49
Hexachlorobutadiene		ND		0.49
2-Hexanone		ND		4.9
Isopropylbenzene		ND		0.49
4-Isopropyltoluene		ND		0.49
Methylene Chloride		ND		2.0
4-Methyl-2-pentanone (MIBK)		ND		4.9
Methyl tert-butyl ether		ND		0.49
Naphthalene		ND		4.9
N-Propylbenzene		ND		0.49

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-109 (9-10)**

Lab Sample ID: 360-30197-5

Client Matrix: Solid

% Moisture: 13.0

Date Sampled: 09/17/2010 1000

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49237.D
Dilution:	1.0			Initial Weight/Volume:	5.83 g
Date Analyzed:	09/22/2010 0219			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Styrene		ND		0.49
1,1,1,2-Tetrachloroethane		ND		0.49
1,1,2,2-Tetrachloroethane		ND		0.49
Tetrachloroethene		ND		0.49
Tetrahydrofuran		ND		4.9
Toluene		ND		0.49
1,2,3-Trichlorobenzene		ND		0.49
1,2,4-Trichlorobenzene		ND		0.49
1,1,1-Trichloroethane		ND		0.49
1,1,2-Trichloroethane		ND		0.49
Trichloroethene		ND		0.49
Trichlorofluoromethane		ND		0.99
1,2,3-Trichloropropane		ND		0.49
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.5
1,2,4-Trimethylbenzene		ND		0.49
1,3,5-Trimethylbenzene		ND		0.49
Vinyl chloride		ND		0.49
Ethylene Dibromide		ND		0.49
trans-1,4-Dichloro-2-butene		ND		0.99
trans-1,2-Dichloroethene		ND		0.49
m-Xylene & p-Xylene		ND		0.99
o-Xylene		ND		0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		70 - 130
Dibromofluoromethane	94		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-111 (1-2)**

Lab Sample ID: 360-30197-7

Client Matrix: Solid

% Moisture: 15.2

Date Sampled: 09/17/2010 1100

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49238.D
Dilution:	1.0			Initial Weight/Volume:	4.97 g
Date Analyzed:	09/22/2010 0243			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		59
Acrylonitrile		ND		5.9
Benzene		ND		0.59
Bromobenzene		ND		0.59
n-Butylbenzene		ND		0.59
sec-Butylbenzene		ND		0.59
tert-Butylbenzene		ND		0.59
Dichlorobromomethane		ND		0.59
Bromoform		ND		0.59
Bromomethane		ND		1.2
2-Butanone (MEK)		ND		5.9
Carbon disulfide		ND		0.59
Carbon tetrachloride		ND		0.59
Chlorobenzene		ND		0.59
Chloroethane		ND		1.2
Chloroform		ND		0.59
Chloromethane		ND		1.2
2-Chlorotoluene		ND		0.59
4-Chlorotoluene		ND		0.59
Chlorodibromomethane		ND		0.59
1,2-Dibromo-3-Chloropropane		ND		5.9
Dibromomethane		ND		0.59
1,2-Dichlorobenzene		ND		0.59
1,3-Dichlorobenzene		ND		0.59
1,4-Dichlorobenzene		ND		0.59
Dichlorodifluoromethane		ND		1.2
1,1-Dichloroethene		ND		0.59
1,1-Dichloroethane		ND		0.59
1,2-Dichloroethane		ND		0.59
cis-1,2-Dichloroethene		ND		0.59
1,2-Dichloropropane		ND		0.59
1,3-Dichloropropane		ND		0.59
2,2-Dichloropropane		ND		0.59
1,1-Dichloropropene		ND		0.59
cis-1,3-Dichloropropene		ND		0.59
trans-1,3-Dichloropropene		ND		0.59
Ethylbenzene		ND		0.59
Hexachlorobutadiene		ND		0.59
2-Hexanone		ND		5.9
Isopropylbenzene		ND		0.59
4-Isopropyltoluene		ND		0.59
Methylene Chloride		ND		2.4
4-Methyl-2-pentanone (MIBK)		ND		5.9
Methyl tert-butyl ether		ND		0.59
Naphthalene		ND		5.9
N-Propylbenzene		ND		0.59

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-111 (1-2)**

Lab Sample ID: 360-30197-7

Client Matrix: Solid

% Moisture: 15.2

Date Sampled: 09/17/2010 1100

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49238.D
Dilution:	1.0			Initial Weight/Volume:	4.97 g
Date Analyzed:	09/22/2010 0243			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Styrene		ND		0.59
1,1,1,2-Tetrachloroethane		ND		0.59
1,1,2,2-Tetrachloroethane		ND		0.59
Tetrachloroethene		ND		0.59
Tetrahydrofuran		ND		5.9
Toluene		ND		0.59
1,2,3-Trichlorobenzene		ND		0.59
1,2,4-Trichlorobenzene		ND		0.59
1,1,1-Trichloroethane		ND		0.59
1,1,2-Trichloroethane		ND		0.59
Trichloroethene		ND		0.59
Trichlorofluoromethane		ND		1.2
1,2,3-Trichloropropane		ND		0.59
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		3.0
1,2,4-Trimethylbenzene		ND		0.59
1,3,5-Trimethylbenzene		ND		0.59
Vinyl chloride		ND		0.59
Ethylene Dibromide		ND		0.59
trans-1,4-Dichloro-2-butene		ND		1.2
trans-1,2-Dichloroethene		ND		0.59
m-Xylene & p-Xylene		ND		1.2
o-Xylene		ND		0.59

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	105		70 - 130
Dibromofluoromethane	96		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-112 (2-3)**

Lab Sample ID: 360-30197-8

Client Matrix: Solid

% Moisture: 17.0

Date Sampled: 09/17/2010 1145

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49239.D
Dilution:	1.0			Initial Weight/Volume:	4.98 g
Date Analyzed:	09/22/2010 0307			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		60
Acrylonitrile		ND		6.0
Benzene		ND		0.60
Bromobenzene		ND		0.60
n-Butylbenzene		ND		0.60
sec-Butylbenzene		ND		0.60
tert-Butylbenzene		ND		0.60
Dichlorobromomethane		ND		0.60
Bromoform		ND		0.60
Bromomethane		ND		1.2
2-Butanone (MEK)		ND		6.0
Carbon disulfide		ND		0.60
Carbon tetrachloride		ND		0.60
Chlorobenzene		ND		0.60
Chloroethane		ND		1.2
Chloroform		ND		0.60
Chloromethane		ND		1.2
2-Chlorotoluene		ND		0.60
4-Chlorotoluene		ND		0.60
Chlorodibromomethane		ND		0.60
1,2-Dibromo-3-Chloropropane		ND		6.0
Dibromomethane		ND		0.60
1,2-Dichlorobenzene		ND		0.60
1,3-Dichlorobenzene		ND		0.60
1,4-Dichlorobenzene		ND		0.60
Dichlorodifluoromethane		ND		1.2
1,1-Dichloroethene		ND		0.60
1,1-Dichloroethane		ND		0.60
1,2-Dichloroethane		ND		0.60
cis-1,2-Dichloroethene		ND		0.60
1,2-Dichloropropane		ND		0.60
1,3-Dichloropropane		ND		0.60
2,2-Dichloropropane		ND		0.60
1,1-Dichloropropene		ND		0.60
cis-1,3-Dichloropropene		ND		0.60
trans-1,3-Dichloropropene		ND		0.60
Ethylbenzene		ND		0.60
Hexachlorobutadiene		ND		0.60
2-Hexanone		ND		6.0
Isopropylbenzene		ND		0.60
4-Isopropyltoluene		ND		0.60
Methylene Chloride		ND		2.4
4-Methyl-2-pentanone (MIBK)		ND		6.0
Methyl tert-butyl ether		ND		0.60
Naphthalene		ND		6.0
N-Propylbenzene		ND		0.60

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-112 (2-3)**

Lab Sample ID: 360-30197-8

Client Matrix: Solid

% Moisture: 17.0

Date Sampled: 09/17/2010 1145

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49239.D
Dilution:	1.0			Initial Weight/Volume:	4.98 g
Date Analyzed:	09/22/2010 0307			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Styrene		ND		0.60
1,1,1,2-Tetrachloroethane		ND		0.60
1,1,2,2-Tetrachloroethane		ND		0.60
Tetrachloroethene		ND		0.60
Tetrahydrofuran		ND		6.0
Toluene		ND		0.60
1,2,3-Trichlorobenzene		ND		0.60
1,2,4-Trichlorobenzene		ND		0.60
1,1,1-Trichloroethane		ND		0.60
1,1,2-Trichloroethane		ND		0.60
Trichloroethene		ND		0.60
Trichlorofluoromethane		ND		1.2
1,2,3-Trichloropropane		ND		0.60
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		3.0
1,2,4-Trimethylbenzene		ND		0.60
1,3,5-Trimethylbenzene		ND		0.60
Vinyl chloride		ND		0.60
Ethylene Dibromide		ND		0.60
trans-1,4-Dichloro-2-butene		ND		1.2
trans-1,2-Dichloroethene		ND		0.60
m-Xylene & p-Xylene		ND		1.2
o-Xylene		ND		0.60

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	105		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **DUP-1**

Lab Sample ID: 360-30197-11

Client Matrix: Solid

% Moisture: 9.3

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49240.D
Dilution:	1.0			Initial Weight/Volume:	5.70 g
Date Analyzed:	09/22/2010 0331			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		48
Acrylonitrile		ND		4.8
Benzene		ND		0.48
Bromobenzene		ND		0.48
n-Butylbenzene		ND		0.48
sec-Butylbenzene		ND		0.48
tert-Butylbenzene		ND		0.48
Dichlorobromomethane		ND		0.48
Bromoform		ND		0.48
Bromomethane		ND		0.97
2-Butanone (MEK)		ND		4.8
Carbon disulfide		ND		0.48
Carbon tetrachloride		ND		0.48
Chlorobenzene		ND		0.48
Chloroethane		ND		0.97
Chloroform		ND		0.48
Chloromethane		ND		0.97
2-Chlorotoluene		ND		0.48
4-Chlorotoluene		ND		0.48
Chlorodibromomethane		ND		0.48
1,2-Dibromo-3-Chloropropane		ND		4.8
Dibromomethane		ND		0.48
1,2-Dichlorobenzene		ND		0.48
1,3-Dichlorobenzene		ND		0.48
1,4-Dichlorobenzene		ND		0.48
Dichlorodifluoromethane		ND		0.97
1,1-Dichloroethene		ND		0.48
1,1-Dichloroethane		ND		0.48
1,2-Dichloroethane		ND		0.48
cis-1,2-Dichloroethene		ND		0.48
1,2-Dichloropropane		ND		0.48
1,3-Dichloropropane		ND		0.48
2,2-Dichloropropane		ND		0.48
1,1-Dichloropropene		ND		0.48
cis-1,3-Dichloropropene		ND		0.48
trans-1,3-Dichloropropene		ND		0.48
Ethylbenzene		ND		0.48
Hexachlorobutadiene		ND		0.48
2-Hexanone		ND		4.8
Isopropylbenzene		ND		0.48
4-Isopropyltoluene		ND		0.48
Methylene Chloride		ND		1.9
4-Methyl-2-pentanone (MIBK)		ND		4.8
Methyl tert-butyl ether		ND		0.48
Naphthalene		ND		4.8
N-Propylbenzene		ND		0.48

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **DUP-1**

Lab Sample ID: 360-30197-11

Client Matrix: Solid

% Moisture: 9.3

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63457		Instrument ID:	HP #1 GC/MS
Preparation:	5035	Prep Batch: 360-63451		Lab File ID:	V49240.D
Dilution:	1.0			Initial Weight/Volume:	5.70 g
Date Analyzed:	09/22/2010 0331			Final Weight/Volume:	5 g
Date Prepared:	09/17/2010 1700				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Styrene		ND		0.48
1,1,1,2-Tetrachloroethane		ND		0.48
1,1,2,2-Tetrachloroethane		ND		0.48
Tetrachloroethene		ND		0.48
Tetrahydrofuran		ND		4.8
Toluene		ND		0.48
1,2,3-Trichlorobenzene		ND		0.48
1,2,4-Trichlorobenzene		ND		0.48
1,1,1-Trichloroethane		ND		0.48
1,1,2-Trichloroethane		ND		0.48
Trichloroethene		ND		0.48
Trichlorofluoromethane		ND		0.97
1,2,3-Trichloropropane		ND		0.48
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.4
1,2,4-Trimethylbenzene		ND		0.48
1,3,5-Trimethylbenzene		ND		0.48
Vinyl chloride		ND		0.48
Ethylene Dibromide		ND		0.48
trans-1,4-Dichloro-2-butene		ND		0.97
trans-1,2-Dichloroethene		ND		0.48
m-Xylene & p-Xylene		ND		0.97
o-Xylene		ND		0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	94		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **EB-2**

Lab Sample ID: 360-30197-12

Client Matrix: Water

Date Sampled: 09/17/2010 1300

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63336	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10500.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 1612		Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 1612			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **EB-2**

Lab Sample ID: 360-30197-12

Client Matrix: Water

Date Sampled: 09/17/2010 1300

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63336	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10500.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 1612		Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 1612			

Analyte	Result (ug/L)	Qualifier	RL
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	115		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **TB-2**

Lab Sample ID: 360-30197-13

Client Matrix: Water

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63336	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10499.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 1550		Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 1550			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **TB-2**

Lab Sample ID: 360-30197-13

Client Matrix: Water

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63336	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10499.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 1550		Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 1550			

Analyte	Result (ug/L)	Qualifier	RL
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	119		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-105 (2-3)**

Lab Sample ID: 360-30197-1

Client Matrix: Solid

% Moisture: 18.1

Date Sampled: 09/17/2010 0915

Date Received: 09/17/2010 1635

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63556		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-63338		Lab File ID:	J1044.D
Dilution:	1.0			Initial Weight/Volume:	30.08 g
Date Analyzed:	09/23/2010 2340			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1008			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		ND		200
Acenaphthylene		ND		200
Acenaphthene		ND		200
Anthracene		ND		200
Benzo[a]anthracene		ND		200
Benzo[g,h,i]perylene		ND		200
Benzo[a]pyrene		ND		200
Benzo[k]fluoranthene		ND		220
Benzo[b]fluoranthene		ND		200
Chrysene		ND		200
Dibenz(a,h)anthracene		ND		200
Fluoranthene		ND		200
Fluorene		ND		200
Indeno[1,2,3-cd]pyrene		ND		410
Naphthalene		ND		200
Phenanthrene		ND		200
Pyrene		ND		200

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	73		30 - 130
2-Fluorobiphenyl	65		30 - 130
Terphenyl-d14	52		30 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-105 (2-3)**

Lab Sample ID: 360-30197-1

Client Matrix: Solid

% Moisture: 18.1

Date Sampled: 09/17/2010 0915

Date Received: 09/17/2010 1635

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63635		Instrument ID:	Inst. N
Preparation:	3546	Prep Batch: 360-63338		Lab File ID:	N11878.D
Dilution:	1.0			Initial Weight/Volume:	30.08 g
Date Analyzed:	09/25/2010 0110	Run Type:	RA	Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1008			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		ND		200
Acenaphthylene		ND		200
Acenaphthene		ND		200
Anthracene		ND		200
Benzo[a]anthracene		ND		200
Benzo[g,h,i]perylene		ND		200
Benzo[a]pyrene		ND		200
Benzo[k]fluoranthene		ND		220
Benzo[b]fluoranthene		ND		200
Chrysene		ND		200
Dibenz(a,h)anthracene		ND		200
Fluoranthene		ND		200
Fluorene		ND		200
Indeno[1,2,3-cd]pyrene		ND		410
Naphthalene		ND		200
Phenanthrene		ND		200
Pyrene		ND		200

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	58		30 - 130
2-Fluorobiphenyl	58		30 - 130
Terphenyl-d14	55		30 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-106 (3-4)**

Lab Sample ID: 360-30197-2

Client Matrix: Solid

% Moisture: 15.0

Date Sampled: 09/17/2010 0930

Date Received: 09/17/2010 1635

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63556		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-63338		Lab File ID:	J1045.D
Dilution:	1.0			Initial Weight/Volume:	30.68 g
Date Analyzed:	09/24/2010 0008			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1008			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		ND		190
Acenaphthylene		ND		190
Acenaphthene		ND		190
Anthracene		ND		190
Benzo[a]anthracene		ND		190
Benzo[g,h,i]perylene		ND		190
Benzo[a]pyrene		ND		190
Benzo[k]fluoranthene		ND		200
Benzo[b]fluoranthene		ND		190
Chrysene		ND		190
Dibenz(a,h)anthracene		ND		190
Fluoranthene		ND		190
Fluorene		ND		190
Indeno[1,2,3-cd]pyrene		ND		380
Naphthalene		ND		190
Phenanthrene		ND		190
Pyrene		ND		190

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	76		30 - 130
2-Fluorobiphenyl	71		30 - 130
Terphenyl-d14	64		30 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-107 (1-2)**

Lab Sample ID: 360-30197-3

Client Matrix: Solid

% Moisture: 9.2

Date Sampled: 09/17/2010 0900

Date Received: 09/17/2010 1635

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63684		Instrument ID:	Inst. N
Preparation:	3546	Prep Batch: 360-63338		Lab File ID:	N11898.D
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	09/27/2010 1617			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1008			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		ND		180
Acenaphthylene		ND		180
Acenaphthene		ND		180
Anthracene		230		180
Benzo[a]anthracene		1000		180
Benzo[g,h,i]perylene		550		180
Benzo[a]pyrene		1000		180
Benzo[k]fluoranthene		640		190
Benzo[b]fluoranthene		1300		180
Chrysene		1100		180
Dibenz(a,h)anthracene		ND		180
Fluoranthene		1800		180
Fluorene		ND		180
Indeno[1,2,3-cd]pyrene		520		360
Naphthalene		ND		180
Phenanthrene		1000		180
Pyrene		1800		180

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	65		30 - 130
2-Fluorobiphenyl	68		30 - 130
Terphenyl-d14	80		30 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-108 (1-2)**

Lab Sample ID: 360-30197-4

Client Matrix: Solid

% Moisture: 13.1

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63556		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-63338		Lab File ID:	J1047.D
Dilution:	1.0			Initial Weight/Volume:	30.60 g
Date Analyzed:	09/24/2010 0105			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1008			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		ND		190
Acenaphthylene		ND		190
Acenaphthene		ND		190
Anthracene		ND		190
Benzo[a]anthracene		ND		190
Benzo[g,h,i]perylene		ND		190
Benzo[a]pyrene		ND		190
Benzo[k]fluoranthene		ND		200
Benzo[b]fluoranthene		ND		190
Chrysene		ND		190
Dibenz(a,h)anthracene		ND		190
Fluoranthene		ND		190
Fluorene		ND		190
Indeno[1,2,3-cd]pyrene		ND		380
Naphthalene		ND		190
Phenanthrene		ND		190
Pyrene		ND		190

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	58		30 - 130
2-Fluorobiphenyl	52		30 - 130
Terphenyl-d14	111		30 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-108 (1-2)**

Lab Sample ID: 360-30197-4

Client Matrix: Solid

% Moisture: 13.1

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63635		Instrument ID:	Inst. N
Preparation:	3546	Prep Batch: 360-63338		Lab File ID:	N11879.D
Dilution:	1.0			Initial Weight/Volume:	30.60 g
Date Analyzed:	09/25/2010 0143	Run Type:	RA	Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1008			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		ND		190
Acenaphthylene		ND		190
Acenaphthene		ND		190
Anthracene		ND		190
Benzo[a]anthracene		ND		190
Benzo[g,h,i]perylene		ND		190
Benzo[a]pyrene		ND		190
Benzo[k]fluoranthene		ND		200
Benzo[b]fluoranthene		ND		190
Chrysene		210		190
Dibenz(a,h)anthracene		ND		190
Fluoranthene		ND		190
Fluorene		ND		190
Indeno[1,2,3-cd]pyrene		ND		380
Naphthalene		ND		190
Phenanthrene		ND		190
Pyrene		ND		190

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	60		30 - 130
2-Fluorobiphenyl	55		30 - 130
Terphenyl-d14	102		30 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-109 (9-10)**

Lab Sample ID: 360-30197-5

Client Matrix: Solid

% Moisture: 13.0

Date Sampled: 09/17/2010 1000

Date Received: 09/17/2010 1635

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63635		Instrument ID:	Inst. N
Preparation:	3546	Prep Batch: 360-63338		Lab File ID:	N11880.D
Dilution:	1.0			Initial Weight/Volume:	30.50 g
Date Analyzed:	09/25/2010 0217			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1008			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		ND		190
Acenaphthylene		ND		190
Acenaphthene		ND		190
Anthracene		ND		190
Benzo[a]anthracene		ND		190
Benzo[g,h,i]perylene		ND		190
Benzo[a]pyrene		ND		190
Benzo[k]fluoranthene		ND		200
Benzo[b]fluoranthene		ND		190
Chrysene		ND		190
Dibenz(a,h)anthracene		ND		190
Fluoranthene		ND		190
Fluorene		ND		190
Indeno[1,2,3-cd]pyrene		ND		380
Naphthalene		ND		190
Phenanthrene		ND		190
Pyrene		ND		190

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	62		30 - 130
2-Fluorobiphenyl	66		30 - 130
Terphenyl-d14	92		30 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-111 (1-2)**

Lab Sample ID: 360-30197-7

Client Matrix: Solid

% Moisture: 15.2

Date Sampled: 09/17/2010 1100

Date Received: 09/17/2010 1635

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63556		Instrument ID:	Inst. J
Preparation:	3546	Prep Batch: 360-63338		Lab File ID:	J1049.D
Dilution:	1.0			Initial Weight/Volume:	30.21 g
Date Analyzed:	09/24/2010 0202			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1008			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		ND		200
Acenaphthylene		ND		200
Acenaphthene		ND		200
Anthracene		ND		200
Benzo[a]anthracene		ND		200
Benzo[g,h,i]perylene		ND		200
Benzo[a]pyrene		ND		200
Benzo[k]fluoranthene		ND		210
Benzo[b]fluoranthene		ND		200
Chrysene		ND		200
Dibenz(a,h)anthracene		ND		200
Fluoranthene		ND		200
Fluorene		ND		200
Indeno[1,2,3-cd]pyrene		ND		390
Naphthalene		ND		200
Phenanthrene		ND		200
Pyrene		ND		200

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	76		30 - 130
2-Fluorobiphenyl	67		30 - 130
Terphenyl-d14	56		30 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-111 (1-2)**

Lab Sample ID: 360-30197-7

Client Matrix: Solid

% Moisture: 15.2

Date Sampled: 09/17/2010 1100

Date Received: 09/17/2010 1635

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63635		Instrument ID:	Inst. N
Preparation:	3546	Prep Batch: 360-63338		Lab File ID:	N11881.D
Dilution:	1.0			Initial Weight/Volume:	30.21 g
Date Analyzed:	09/25/2010 0250	Run Type:	RA	Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1008			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		ND		200
Acenaphthylene		ND		200
Acenaphthene		ND		200
Anthracene		ND		200
Benzo[a]anthracene		ND		200
Benzo[g,h,i]perylene		ND		200
Benzo[a]pyrene		ND		200
Benzo[k]fluoranthene		ND		210
Benzo[b]fluoranthene		ND		200
Chrysene		ND		200
Dibenz(a,h)anthracene		ND		200
Fluoranthene		ND		200
Fluorene		ND		200
Indeno[1,2,3-cd]pyrene		ND		390
Naphthalene		ND		200
Phenanthrene		ND		200
Pyrene		ND		200

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	60		30 - 130
2-Fluorobiphenyl	57		30 - 130
Terphenyl-d14	92		30 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-112 (2-3)**

Lab Sample ID: 360-30197-8

Client Matrix: Solid

% Moisture: 17.0

Date Sampled: 09/17/2010 1145

Date Received: 09/17/2010 1635

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63635		Instrument ID:	Inst. N
Preparation:	3546	Prep Batch: 360-63338		Lab File ID:	N11882.D
Dilution:	1.0			Initial Weight/Volume:	30.56 g
Date Analyzed:	09/25/2010 0324			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1008			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		ND		200
Acenaphthylene		ND		200
Acenaphthene		ND		200
Anthracene		ND		200
Benzo[a]anthracene		ND		200
Benzo[g,h,i]perylene		ND		200
Benzo[a]pyrene		ND		200
Benzo[k]fluoranthene		ND		210
Benzo[b]fluoranthene		ND		200
Chrysene		ND		200
Dibenz(a,h)anthracene		ND		200
Fluoranthene		ND		200
Fluorene		ND		200
Indeno[1,2,3-cd]pyrene		ND		390
Naphthalene		ND		200
Phenanthrene		ND		200
Pyrene		ND		200

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	53		30 - 130
2-Fluorobiphenyl	51		30 - 130
Terphenyl-d14	76		30 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **DUP-1**

Lab Sample ID: 360-30197-11

Client Matrix: Solid

% Moisture: 9.3

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63635		Instrument ID:	Inst. N
Preparation:	3546	Prep Batch: 360-63338		Lab File ID:	N11883.D
Dilution:	1.0			Initial Weight/Volume:	30.41 g
Date Analyzed:	09/25/2010 0357			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1008			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
2-Methylnaphthalene		ND		180
Acenaphthylene		ND		180
Acenaphthene		ND		180
Anthracene		230		180
Benzo[a]anthracene		580		180
Benzo[g,h,i]perylene		210		180
Benzo[a]pyrene		560		180
Benzo[k]fluoranthene		430		190
Benzo[b]fluoranthene		680		180
Chrysene		620		180
Dibenz(a,h)anthracene		ND		180
Fluoranthene		1300		180
Fluorene		ND		180
Indeno[1,2,3-cd]pyrene		ND		360
Naphthalene		ND		180
Phenanthrene		1000		180
Pyrene		1200		180

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	64		30 - 130
2-Fluorobiphenyl	65		30 - 130
Terphenyl-d14	89		30 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **EB-2**

Lab Sample ID: 360-30197-12

Client Matrix: Water

Date Sampled: 09/17/2010 1300

Date Received: 09/17/2010 1635

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 360-63635		Instrument ID:	Inst. N
Preparation:	3510C	Prep Batch: 360-63357		Lab File ID:	N11885.D
Dilution:	1.0			Initial Weight/Volume:	1100 mL
Date Analyzed:	09/25/2010 0504			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1403			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
2-Methylnaphthalene	ND		4.5
Acenaphthylene	ND		4.5
Acenaphthene	ND		4.5
Anthracene	ND		4.5
Benzo[a]anthracene	ND		4.5
Benzo[g,h,i]perylene	ND		4.5
Benzo[a]pyrene	ND		4.5
Benzo[k]fluoranthene	ND		4.5
Benzo[b]fluoranthene	ND		4.5
Chrysene	ND		4.5
Dibenz(a,h)anthracene	ND		4.5
Fluoranthene	ND		4.5
Fluorene	ND		4.5
Indeno[1,2,3-cd]pyrene	ND		4.5
Naphthalene	ND		4.5
Phenanthrene	ND		4.5
Pyrene	ND		4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	77		30 - 130
2-Fluorobiphenyl	65		30 - 130
Terphenyl-d14	95		30 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-105 (2-3)**

Lab Sample ID: 360-30197-1

Client Matrix: Solid

% Moisture: 18.1

Date Sampled: 09/17/2010 0915

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.06 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1547			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		120
PCB-1221		ND		120
PCB-1232		ND		120
PCB-1242		ND		120
PCB-1248		ND		120
PCB-1254		ND		120
PCB-1260		ND		120
PCB-1262		ND		120
PCB-1268		ND		120

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	157	X	30 - 150
Tetrachloro-m-xylene	129		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-105 (2-3)**

Lab Sample ID: 360-30197-1

Client Matrix: Solid

% Moisture: 18.1

Date Sampled: 09/17/2010 0915

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.06 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1547			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	154	X	30 - 150
Tetrachloro-m-xylene	126		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-106 (3-4)**

Lab Sample ID: 360-30197-2

Client Matrix: Solid

% Moisture: 15.0

Date Sampled: 09/17/2010 0930

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.46 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1612			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		110
PCB-1221		ND		110
PCB-1232		ND		110
PCB-1242		ND		110
PCB-1248		ND		110
PCB-1254		ND		110
PCB-1260		ND		110
PCB-1262		ND		110
PCB-1268		ND		110

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	159	X	30 - 150
Tetrachloro-m-xylene	136		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-106 (3-4)**

Lab Sample ID: 360-30197-2

Client Matrix: Solid

% Moisture: 15.0

Date Sampled: 09/17/2010 0930

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.46 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1612			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	157	X	30 - 150
Tetrachloro-m-xylene	128		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-107 (1-2)**

Lab Sample ID: 360-30197-3

Client Matrix: Solid

% Moisture: 9.2

Date Sampled: 09/17/2010 0900

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.04 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1636			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		110
PCB-1221		ND		110
PCB-1232		ND		110
PCB-1242		ND		110
PCB-1248		ND		110
PCB-1254		ND		110
PCB-1260		ND		110
PCB-1262		ND		110
PCB-1268		ND		110

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	128		30 - 150
Tetrachloro-m-xylene	128		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-107 (1-2)**

Lab Sample ID: 360-30197-3

Client Matrix: Solid

% Moisture: 9.2

Date Sampled: 09/17/2010 0900

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.04 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1636			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		30 - 150
Tetrachloro-m-xylene	118		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-108 (1-2)**

Lab Sample ID: 360-30197-4

Client Matrix: Solid

% Moisture: 13.1

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.60 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1701			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		110
PCB-1221		ND		110
PCB-1232		ND		110
PCB-1242		ND		110
PCB-1248		ND		110
PCB-1254		ND		110
PCB-1260		ND		110
PCB-1262		ND		110
PCB-1268		ND		110

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	77	p	30 - 150
Tetrachloro-m-xylene	107		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-108 (1-2)**

Lab Sample ID: 360-30197-4

Client Matrix: Solid

% Moisture: 13.1

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.60 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1701			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	117		30 - 150
Tetrachloro-m-xylene	105		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-109 (9-10)**

Lab Sample ID: 360-30197-5

Client Matrix: Solid

% Moisture: 13.0

Date Sampled: 09/17/2010 1000

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.24 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1725			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		110
PCB-1221		ND		110
PCB-1232		ND		110
PCB-1242		ND		110
PCB-1248		ND		110
PCB-1254		ND		110
PCB-1260		ND		110
PCB-1262		ND		110
PCB-1268		ND		110

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	128		30 - 150
Tetrachloro-m-xylene	127		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-109 (9-10)**

Lab Sample ID: 360-30197-5

Client Matrix: Solid

% Moisture: 13.0

Date Sampled: 09/17/2010 1000

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.24 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1725			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	126		30 - 150
Tetrachloro-m-xylene	114		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-110 (0-6")**

Lab Sample ID: 360-30197-6

Client Matrix: Solid

% Moisture: 18.9

Date Sampled: 09/17/2010 1045

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.08 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1750			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		120
PCB-1221		ND		120
PCB-1232		ND		120
PCB-1242		ND		120
PCB-1248		ND		120
PCB-1254		ND		120
PCB-1260		ND		120
PCB-1262		ND		120
PCB-1268		ND		120

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	93	p	30 - 150
Tetrachloro-m-xylene	125		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-110 (0-6")**

Lab Sample ID: 360-30197-6

Client Matrix: Solid

% Moisture: 18.9

Date Sampled: 09/17/2010 1045

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.08 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1750			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	145		30 - 150
Tetrachloro-m-xylene	120		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-111 (1-2)**

Lab Sample ID: 360-30197-7

Client Matrix: Solid

% Moisture: 15.2

Date Sampled: 09/17/2010 1100

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.66 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1814			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		110
PCB-1221		ND		110
PCB-1232		ND		110
PCB-1242		ND		110
PCB-1248		ND		110
PCB-1254		ND		110
PCB-1260		ND		110
PCB-1262		ND		110
PCB-1268		ND		110

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	187	X	30 - 150
Tetrachloro-m-xylene	128		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-111 (1-2)**

Lab Sample ID: 360-30197-7

Client Matrix: Solid

% Moisture: 15.2

Date Sampled: 09/17/2010 1100

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63445		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.66 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 1814			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	156	X	30 - 150
Tetrachloro-m-xylene	124		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-112 (2-3)**

Lab Sample ID: 360-30197-8

Client Matrix: Solid

% Moisture: 17.0

Date Sampled: 09/17/2010 1145

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63469		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.08 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 2130			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		120
PCB-1221		ND		120
PCB-1232		ND		120
PCB-1242		ND		120
PCB-1248		ND		120
PCB-1254		ND		120
PCB-1260		ND		120
PCB-1262		ND		120
PCB-1268		ND		120

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	154	X	30 - 150
Tetrachloro-m-xylene	98		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-112 (2-3)**

Lab Sample ID: 360-30197-8

Client Matrix: Solid

% Moisture: 17.0

Date Sampled: 09/17/2010 1145

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63469		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.08 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 2130			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	138		30 - 150
Tetrachloro-m-xylene	94		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-113 (.5-1.5')**

Lab Sample ID: 360-30197-9

Client Matrix: Solid

% Moisture: 17.3

Date Sampled: 09/17/2010 1050

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63469		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.46 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 2155			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		120
PCB-1221		ND		120
PCB-1232		ND		120
PCB-1242		ND		120
PCB-1248		ND		120
PCB-1254		ND		120
PCB-1260		ND		120
PCB-1262		ND		120
PCB-1268		ND		120

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	160	X	30 - 150
Tetrachloro-m-xylene	106		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-113 (.5-1.5')**

Lab Sample ID: 360-30197-9

Client Matrix: Solid

% Moisture: 17.3

Date Sampled: 09/17/2010 1050

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63469		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.46 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 2155			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	149		30 - 150
Tetrachloro-m-xylene	91		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **DUP-1**

Lab Sample ID: 360-30197-11

Client Matrix: Solid

% Moisture: 9.3

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63469		Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360		Initial Weight/Volume:	10.58 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 2219			Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		100
PCB-1221		ND		100
PCB-1232		ND		100
PCB-1242		ND		100
PCB-1248		ND		100
PCB-1254		ND		100
PCB-1260		ND		100
PCB-1262		ND		100
PCB-1268		ND		100

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	160	X	30 - 150
Tetrachloro-m-xylene	137		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **DUP-1**

Lab Sample ID:	360-30197-11			Date Sampled: 09/17/2010 0830
Client Matrix:	Solid	% Moisture:	9.3	Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63469	Instrument ID:	Inst. P
Preparation:	3540C	Prep Batch: 360-63360	Initial Weight/Volume:	10.58 g
Dilution:	1.0		Final Weight/Volume:	10.00 mL
Date Analyzed:	09/22/2010 2219		Injection Volume:	2 uL
Date Prepared:	09/20/2010 1428		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	155	X	30 - 150
Tetrachloro-m-xylene	130		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **EB-2**

Lab Sample ID: 360-30197-12

Client Matrix: Water

Date Sampled: 09/17/2010 1300

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63469	Instrument ID:	Inst. P
Preparation:	3510C	Prep Batch: 360-63408	Initial Weight/Volume:	970 mL
Dilution:	1.0		Final Weight/Volume:	5.0 mL
Date Analyzed:	09/22/2010 2106		Injection Volume:	2 uL
Date Prepared:	09/21/2010 1105		Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
PCB-1016	ND		0.31
PCB-1221	ND		0.31
PCB-1232	ND		0.31
PCB-1242	ND		0.31
PCB-1248	ND		0.31
PCB-1254	ND		0.31
PCB-1260	ND		0.31
PCB-1262	ND		0.31
PCB-1268	ND		0.31

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		30 - 150
Tetrachloro-m-xylene	100		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **EB-2**

Lab Sample ID: 360-30197-12

Client Matrix: Water

Date Sampled: 09/17/2010 1300

Date Received: 09/17/2010 1635

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-63469	Instrument ID:	Inst. P
Preparation:	3510C	Prep Batch: 360-63408	Initial Weight/Volume:	970 mL
Dilution:	1.0		Final Weight/Volume:	5.0 mL
Date Analyzed:	09/22/2010 2106		Injection Volume:	2 uL
Date Prepared:	09/21/2010 1105		Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		30 - 150
Tetrachloro-m-xylene	90		30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-105 (2-3)**

Lab Sample ID: 360-30197-1

Client Matrix: Solid

% Moisture: 18.1

Date Sampled: 09/17/2010 0915

Date Received: 09/17/2010 1635

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515		Instrument ID:	Inst. F
Preparation:	3546	Prep Batch: 360-63359		Lab File ID:	F175544.D
Dilution:	1.0			Initial Weight/Volume:	30.30 g
Date Analyzed:	09/23/2010 0907			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		16		4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	72		50 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-106 (3-4)**

Lab Sample ID: 360-30197-2

Client Matrix: Solid

% Moisture: 15.0

Date Sampled: 09/17/2010 0930

Date Received: 09/17/2010 1635

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515	Instrument ID:	Inst. F
Preparation:	3546	Prep Batch: 360-63359	Lab File ID:	F175545.D
Dilution:	1.0		Initial Weight/Volume:	30.14 g
Date Analyzed:	09/23/2010 0937		Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		20		3.9

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	73		50 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-107 (1-2)**

Lab Sample ID: 360-30197-3

Client Matrix: Solid

% Moisture: 9.2

Date Sampled: 09/17/2010 0900

Date Received: 09/17/2010 1635

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515		Instrument ID:	Inst. F
Preparation:	3546	Prep Batch: 360-63359		Lab File ID:	F175546.D
Dilution:	10			Initial Weight/Volume:	30.30 g
Date Analyzed:	09/23/2010 1007	Run Type:	DL	Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		150		36

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	72		50 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-108 (1-2)**

Lab Sample ID: 360-30197-4

Client Matrix: Solid

% Moisture: 13.1

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515		Instrument ID:	Inst. F
Preparation:	3546	Prep Batch: 360-63359		Lab File ID:	F175566.D
Dilution:	100			Initial Weight/Volume:	30.07 g
Date Analyzed:	09/23/2010 2028	Run Type:	DL	Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		15000		380

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	0	X D	50 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-109 (9-10)**

Lab Sample ID: 360-30197-5

Client Matrix: Solid

% Moisture: 13.0

Date Sampled: 09/17/2010 1000

Date Received: 09/17/2010 1635

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515	Instrument ID:	Inst. F
Preparation:	3546	Prep Batch: 360-63359	Lab File ID:	F175548.D
Dilution:	1.0		Initial Weight/Volume:	30.04 g
Date Analyzed:	09/23/2010 1106		Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		41		3.8

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	74		50 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-111 (1-2)**

Lab Sample ID: 360-30197-7

Client Matrix: Solid

% Moisture: 15.2

Date Sampled: 09/17/2010 1100

Date Received: 09/17/2010 1635

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515		Instrument ID:	Inst. F
Preparation:	3546	Prep Batch: 360-63359		Lab File ID:	F175549.D
Dilution:	1.0			Initial Weight/Volume:	30.20 g
Date Analyzed:	09/23/2010 1136			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		260		3.9

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	57		50 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-112 (2-3)**

Lab Sample ID: 360-30197-8

Client Matrix: Solid

% Moisture: 17.0

Date Sampled: 09/17/2010 1145

Date Received: 09/17/2010 1635

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515	Instrument ID:	Inst. F
Preparation:	3546	Prep Batch: 360-63359	Lab File ID:	F175555.D
Dilution:	1.0		Initial Weight/Volume:	30.50 g
Date Analyzed:	09/23/2010 1434		Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		51		3.9

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	70		50 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-113 (.5-1.5')**

Lab Sample ID: 360-30197-9

Client Matrix: Solid

% Moisture: 17.3

Date Sampled: 09/17/2010 1050

Date Received: 09/17/2010 1635

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515	Instrument ID:	Inst. F
Preparation:	3546	Prep Batch: 360-63359	Lab File ID:	F175556.D
Dilution:	1.0		Initial Weight/Volume:	30.56 g
Date Analyzed:	09/23/2010 1503		Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		72		3.9

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	70		50 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-114 (2-3)**

Lab Sample ID: 360-30197-10

Client Matrix: Solid

% Moisture: 8.3

Date Sampled: 09/17/2010 1030

Date Received: 09/17/2010 1635

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515	Instrument ID:	Inst. F
Preparation:	3546	Prep Batch: 360-63359	Lab File ID:	F175557.D
Dilution:	1.0		Initial Weight/Volume:	30.16 g
Date Analyzed:	09/23/2010 1533		Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		93		3.6

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	71		50 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **DUP-1**

Lab Sample ID: 360-30197-11

Client Matrix: Solid

% Moisture: 9.3

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515	Instrument ID:	Inst. F
Preparation:	3546	Prep Batch: 360-63359	Lab File ID:	F175558.D
Dilution:	1.0		Initial Weight/Volume:	30.21 g
Date Analyzed:	09/23/2010 1602		Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422		Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		44		3.6

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	64		50 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **EB-2**

Lab Sample ID: 360-30197-12

Client Matrix: Water

Date Sampled: 09/17/2010 1300

Date Received: 09/17/2010 1635

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-63515	Instrument ID:	Inst. F
Preparation:	3510C	Prep Batch: 360-63368	Lab File ID:	F175565.D
Dilution:	1.0		Initial Weight/Volume:	1100 mL
Date Analyzed:	09/23/2010 1959		Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1534		Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	RL
C9-C36	0.10		0.091

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	65		50 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-105 (2-3)**

Lab Sample ID: 360-30197-1

Client Matrix: Solid

% Moisture: 18.1

Date Sampled: 09/17/2010 0915

Date Received: 09/17/2010 1635

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-63425		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-63334		Lab File ID:	092110b.csv
Dilution:	5.0			Initial Weight/Volume:	1.69 g
Date Analyzed:	09/21/2010 1511			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		150		3.6
Arsenic		33		7.2
Barium		120		3.6
Beryllium		ND		1.4
Cadmium		10		1.4
Chromium		13		3.6
Copper		6000		7.2
Lead		3200		3.6
Nickel		110		7.2
Selenium		ND		3.6
Thallium		ND		7.2
Vanadium		26		7.2
Zinc		6000		18
Silver		28		3.6

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-63413		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-63323		Lab File ID:	092110A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.33 g
Date Analyzed:	09/21/2010 1150			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0909				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.92		0.074

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-106 (3-4)**

Lab Sample ID: 360-30197-2

Client Matrix: Solid

% Moisture: 15.0

Date Sampled: 09/17/2010 0930

Date Received: 09/17/2010 1635

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-63425		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-63334		Lab File ID:	092110b.csv
Dilution:	1.0			Initial Weight/Volume:	1.68 g
Date Analyzed:	09/21/2010 1432			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		240		0.70

6010B Metals (ICP)-SPLP East

Method:	6010B	Analysis Batch: 220-43070		Instrument ID:	ICAP3
Preparation:	3010A	Prep Batch: 220-43045		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-42971		Initial Weight/Volume:	100 mL
Date Analyzed:	09/27/2010 1712			Final Weight/Volume:	50 mL
Date Prepared:	09/27/2010 1211				
Date Leached:	09/23/2010 1840				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Lead		37		15

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-107 (1-2)**

Lab Sample ID: 360-30197-3

Client Matrix: Solid

% Moisture: 9.2

Date Sampled: 09/17/2010 0900

Date Received: 09/17/2010 1635

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-63425		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-63334		Lab File ID:	092110b.csv
Dilution:	1.0			Initial Weight/Volume:	1.76 g
Date Analyzed:	09/21/2010 1435			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		99		0.63

6010B Metals (ICP)-SPLP East

Method:	6010B	Analysis Batch: 220-43070		Instrument ID:	ICAP3
Preparation:	3010A	Prep Batch: 220-43045		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-42971		Initial Weight/Volume:	100 mL
Date Analyzed:	09/27/2010 1715			Final Weight/Volume:	50 mL
Date Prepared:	09/27/2010 1211				
Date Leached:	09/23/2010 1840				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Lead		ND		15

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-108 (1-2)**

Lab Sample ID: 360-30197-4

Client Matrix: Solid

% Moisture: 13.1

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-63425		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-63334		Lab File ID:	092110b.csv
Dilution:	5.0			Initial Weight/Volume:	1.88 g
Date Analyzed:	09/21/2010 1514			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		180		3.1
Arsenic		31		6.1
Barium		120		3.1
Beryllium		ND		1.2
Cadmium		ND		1.2
Chromium		14		3.1
Copper		5200		6.1
Lead		4200		3.1
Nickel		860		6.1
Selenium		ND		3.1
Thallium		ND		6.1
Vanadium		35		6.1
Zinc		1300		15
Silver		37		3.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-63413		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-63323		Lab File ID:	092110A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.26 g
Date Analyzed:	09/21/2010 1155			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0909				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.61		0.089

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-109 (9-10)**

Lab Sample ID: 360-30197-5

Client Matrix: Solid

% Moisture: 13.0

Date Sampled: 09/17/2010 1000

Date Received: 09/17/2010 1635

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-63425		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-63334		Lab File ID:	092110b.csv
Dilution:	1.0			Initial Weight/Volume:	1.74 g
Date Analyzed:	09/21/2010 1440			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		ND		0.66
Arsenic		5.1		1.3
Barium		39		0.66
Beryllium		0.67		0.26
Cadmium		ND		0.26
Chromium		20		0.66
Copper		29		1.3
Lead		8.9		0.66
Nickel		16		1.3
Selenium		ND		0.66
Thallium		ND		1.3
Vanadium		67		1.3
Zinc		50		3.3
Silver		ND		0.66

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-63413		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-63323		Lab File ID:	092110A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.32 g
Date Analyzed:	09/21/2010 1157			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0909				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		ND		0.072

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-111 (1-2)**

Lab Sample ID: 360-30197-7

Client Matrix: Solid

% Moisture: 15.2

Date Sampled: 09/17/2010 1100

Date Received: 09/17/2010 1635

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-63425		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-63334		Lab File ID:	092110b.csv
Dilution:	1.0			Initial Weight/Volume:	1.92 g
Date Analyzed:	09/21/2010 1443			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		ND		0.61
Arsenic		12		1.2
Barium		410		0.61
Beryllium		0.69		0.25
Cadmium		0.88		0.25
Chromium		25		0.61
Copper		95		1.2
Lead		930		0.61
Nickel		24		1.2
Selenium		ND		0.61
Thallium		ND		1.2
Vanadium		42		1.2
Zinc		430		3.1
Silver		2.9		0.61

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-63413		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-63323		Lab File ID:	092110A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.27 g
Date Analyzed:	09/21/2010 1159			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0909				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.33		0.087

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **B-112 (2-3)**

Lab Sample ID: 360-30197-8

Client Matrix: Solid

% Moisture: 17.0

Date Sampled: 09/17/2010 1145

Date Received: 09/17/2010 1635

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-63425		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-63334		Lab File ID:	092110b.csv
Dilution:	1.0			Initial Weight/Volume:	1.99 g
Date Analyzed:	09/21/2010 1452			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		ND		0.61
Arsenic		6.6		1.2
Barium		160		0.61
Beryllium		0.90		0.24
Cadmium		0.82		0.24
Chromium		20		0.61
Copper		50		1.2
Lead		170		0.61
Nickel		25		1.2
Selenium		ND		0.61
Thallium		ND		1.2
Vanadium		36		1.2
Zinc		350		3.0
Silver		2.0		0.61

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-63413		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-63323		Lab File ID:	092110A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.30 g
Date Analyzed:	09/21/2010 1200			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0909				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.17		0.080

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **DUP-1**

Lab Sample ID: 360-30197-11

Client Matrix: Solid

% Moisture: 9.3

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-63425		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-63334		Lab File ID:	092110b.csv
Dilution:	1.0			Initial Weight/Volume:	1.99 g
Date Analyzed:	09/21/2010 1455			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		59		0.55

6010B Metals (ICP)-SPLP East

Method:	6010B	Analysis Batch: 220-43070		Instrument ID:	ICAP3
Preparation:	3010A	Prep Batch: 220-43045		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 220-42971		Initial Weight/Volume:	100 mL
Date Analyzed:	09/27/2010 1718			Final Weight/Volume:	50 mL
Date Prepared:	09/27/2010 1211				
Date Leached:	09/23/2010 1840				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Lead		ND		15

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **EB-2**

Lab Sample ID: 360-30197-12

Client Matrix: Water

Date Sampled: 09/17/2010 1300

Date Received: 09/17/2010 1635

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-63520		Instrument ID:	Varian ICP
Preparation:	3010A	Prep Batch: 360-63320		Lab File ID:	092210b.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	09/22/2010 1226			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0848				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		6.0
Arsenic	ND		10
Barium	ND		10
Beryllium	ND		1.0
Cadmium	ND		1.0
Chromium	ND		5.0
Copper	91		10
Lead	ND		5.0
Nickel	ND		10
Selenium	ND		10
Thallium	ND		10
Vanadium	ND		10
Zinc	ND		50
Silver	ND		5.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 360-63421		Instrument ID:	Hg Analyzer
Preparation:	7470A	Prep Batch: 360-63389		Lab File ID:	092110B.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	09/21/2010 1341			Final Weight/Volume:	10 mL
Date Prepared:	09/21/2010 0852				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Tighe & Bond

Job Number: 360-30197-1

Client Sample ID: **DUP-2**

Lab Sample ID: 360-30197-14

Client Matrix: Solid

% Moisture: 15.8

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-63425		Instrument ID:	Varian ICP
Preparation:	3050B	Prep Batch: 360-63334		Lab File ID:	092110b.csv
Dilution:	1.0			Initial Weight/Volume:	1.95 g
Date Analyzed:	09/21/2010 1458			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		0.91		0.61
Arsenic		9.6		1.2
Barium		200		0.61
Beryllium		0.98		0.24
Cadmium		0.64		0.24
Chromium		20		0.61
Copper		59		1.2
Lead		230		0.61
Nickel		20		1.2
Selenium		ND		0.61
Thallium		ND		1.2
Vanadium		38		1.2
Zinc		200		3.0
Silver		2.1		0.61

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-63413		Instrument ID:	Hg Analyzer
Preparation:	7471A	Prep Batch: 360-63323		Lab File ID:	092110A.PRN
Dilution:	1.0			Initial Weight/Volume:	0.28 g
Date Analyzed:	09/21/2010 1202			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0909				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.26		0.085

General Chemistry

Client Sample ID: **B-105 (2-3)**

Lab Sample ID: 360-30197-1

Date Sampled: 09/17/2010 0915

Client Matrix: Solid

% Moisture: 18.1

Date Received: 09/17/2010 1635

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		mg/Kg	0.40	1.0	9012A
	Analysis Batch: 360-63600		Date Analyzed: 09/24/2010 1033			DryWt Corrected: Y
	Prep Batch: 360-63541		Date Prepared: 09/23/2010 1056			
Percent Moisture	18		%	1.0	1.0	Moisture
	Analysis Batch: 360-63341		Date Analyzed: 09/20/2010 1027			DryWt Corrected: N
Percent Solids	82		%	1.0	1.0	Moisture
	Analysis Batch: 360-63341		Date Analyzed: 09/20/2010 1027			DryWt Corrected: N

General Chemistry

Client Sample ID: **B-106 (3-4)**

Lab Sample ID: 360-30197-2

Client Matrix: Solid

% Moisture: 15.0

Date Sampled: 09/17/2010 0930

Date Received: 09/17/2010 1635

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		mg/Kg	0.39	1.0	9012A
Analysis Batch: 360-63600	Date Analyzed: 09/24/2010 1034					DryWt Corrected: Y
Prep Batch: 360-63541	Date Prepared: 09/23/2010 1056					
Percent Moisture	15		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N
Percent Solids	85		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N

General Chemistry

Client Sample ID: **B-107 (1-2)**

Lab Sample ID: 360-30197-3

Date Sampled: 09/17/2010 0900

Client Matrix: Solid

% Moisture: 9.2

Date Received: 09/17/2010 1635

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		mg/Kg	0.36	1.0	9012A
	Analysis Batch: 360-63600		Date Analyzed: 09/24/2010 1035			DryWt Corrected: Y
	Prep Batch: 360-63541		Date Prepared: 09/23/2010 1056			
Percent Moisture	9.2		%	1.0	1.0	Moisture
	Analysis Batch: 360-63341		Date Analyzed: 09/20/2010 1027			DryWt Corrected: N
Percent Solids	91		%	1.0	1.0	Moisture
	Analysis Batch: 360-63341		Date Analyzed: 09/20/2010 1027			DryWt Corrected: N

General Chemistry

Client Sample ID: **B-108 (1-2)**

Lab Sample ID: 360-30197-4

Date Sampled: 09/17/2010 0830

Client Matrix: Solid

% Moisture: 13.1

Date Received: 09/17/2010 1635

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	0.43		mg/Kg	0.38	1.0	9012A
Analysis Batch: 360-63600	Date Analyzed: 09/24/2010 1036					DryWt Corrected: Y
Prep Batch: 360-63541	Date Prepared: 09/23/2010 1056					
Percent Moisture	13		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N
Percent Solids	87		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N

General Chemistry

Client Sample ID: **B-109 (9-10)**

Lab Sample ID: 360-30197-5

Client Matrix: Solid

% Moisture: 13.0

Date Sampled: 09/17/2010 1000

Date Received: 09/17/2010 1635

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		mg/Kg	0.35	1.0	9012A
Analysis Batch: 360-63600	Date Analyzed: 09/24/2010 1037					DryWt Corrected: Y
Prep Batch: 360-63541	Date Prepared: 09/23/2010 1056					
Percent Moisture	13		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N
Percent Solids	87		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N

General Chemistry

Client Sample ID: **B-110 (0-6")**

Lab Sample ID: 360-30197-6

Client Matrix: Solid

Date Sampled: 09/17/2010 1045

Date Received: 09/17/2010 1635

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	19		%	1.0	1.0	Moisture
	Analysis Batch: 360-63341		Date Analyzed: 09/20/2010 1625			DryWt Corrected: N
Percent Solids	81		%	1.0	1.0	Moisture
	Analysis Batch: 360-63341		Date Analyzed: 09/20/2010 1625			DryWt Corrected: N

General Chemistry

Client Sample ID: **B-111 (1-2)**

Lab Sample ID: 360-30197-7

Client Matrix: Solid

% Moisture: 15.2

Date Sampled: 09/17/2010 1100

Date Received: 09/17/2010 1635

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		mg/Kg	0.37	1.0	9012A
Analysis Batch: 360-63600	Date Analyzed: 09/24/2010 1038					DryWt Corrected: Y
Prep Batch: 360-63541	Date Prepared: 09/23/2010 1056					
Percent Moisture	15		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N
Percent Solids	85		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N

General Chemistry

Client Sample ID: **B-112 (2-3)**

Lab Sample ID: 360-30197-8

Client Matrix: Solid

% Moisture: 17.0

Date Sampled: 09/17/2010 1145

Date Received: 09/17/2010 1635

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		mg/Kg	0.39	1.0	9012A
Analysis Batch: 360-63600	Date Analyzed: 09/24/2010 1039					DryWt Corrected: Y
Prep Batch: 360-63541	Date Prepared: 09/23/2010 1056					
Percent Moisture	17		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N
Percent Solids	83		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N

General Chemistry

Client Sample ID: **B-113 (.5-1.5')**

Lab Sample ID: 360-30197-9

Client Matrix: Solid

Date Sampled: 09/17/2010 1050

Date Received: 09/17/2010 1635

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	17		%	1.0	1.0	Moisture
	Analysis Batch: 360-63341		Date Analyzed: 09/20/2010 1625			DryWt Corrected: N
Percent Solids	83		%	1.0	1.0	Moisture
	Analysis Batch: 360-63341		Date Analyzed: 09/20/2010 1625			DryWt Corrected: N

General Chemistry

Client Sample ID: **B-114 (2-3)**

Lab Sample ID: 360-30197-10

Client Matrix: Solid

Date Sampled: 09/17/2010 1030

Date Received: 09/17/2010 1635

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	8.3		%	1.0	1.0	Moisture
	Analysis Batch: 360-63341		Date Analyzed: 09/20/2010 1625			DryWt Corrected: N
Percent Solids	92		%	1.0	1.0	Moisture
	Analysis Batch: 360-63341		Date Analyzed: 09/20/2010 1625			DryWt Corrected: N

General Chemistry

Client Sample ID: **DUP-1**

Lab Sample ID: 360-30197-11

Client Matrix: Solid

% Moisture: 9.3

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		mg/Kg	0.36	1.0	9012A
Analysis Batch: 360-63600	Date Analyzed: 09/24/2010 1040					DryWt Corrected: Y
Prep Batch: 360-63541	Date Prepared: 09/23/2010 1056					
Percent Moisture	9.3		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N
Percent Solids	91		%	1.0	1.0	Moisture
Analysis Batch: 360-63341	Date Analyzed: 09/20/2010 1027					DryWt Corrected: N

General Chemistry

Client Sample ID: **EB-2**

Lab Sample ID: 360-30197-12

Client Matrix: Water

Date Sampled: 09/17/2010 1300

Date Received: 09/17/2010 1635

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Total	ND		mg/L	0.010	1.0	9012A

Analysis Batch: 360-63603 Date Analyzed: 09/24/2010 1048

Prep Batch: 360-63559 Date Prepared: 09/23/2010 1602

General Chemistry

Client Sample ID: **DUP-2**

Lab Sample ID: 360-30197-14

Client Matrix: Solid

Date Sampled: 09/17/2010 0830

Date Received: 09/17/2010 1635

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	16		%	1.0	1.0	Moisture
	Analysis Batch: 360-63341		Date Analyzed: 09/20/2010 1027			DryWt Corrected: N
Percent Solids	84		%	1.0	1.0	Moisture
	Analysis Batch: 360-63341		Date Analyzed: 09/20/2010 1027			DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
GC Semi VOA		
	X	Surrogate is outside control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

QUALITY CONTROL RESULTS

Client: Tighe & Bond

Job Number: 360-30197-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:360-63336					
LCS 360-63336/3	Lab Control Sample	T	Water	8260B	
LCSD 360-63336/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 360-63336/6	Method Blank	T	Water	8260B	
360-30197-12	EB-2	T	Water	8260B	
360-30197-13	TB-2	T	Water	8260B	
Prep Batch: 360-63451					
LCS 360-63451/1-A	Lab Control Sample	T	Solid	5035	
LCSD 360-63451/2-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 360-63451/3-A	Method Blank	T	Solid	5035	
360-30197-1	B-105 (2-3)	T	Solid	5035	
360-30197-2	B-106 (3-4)	T	Solid	5035	
360-30197-3	B-107 (1-2)	T	Solid	5035	
360-30197-4	B-108 (1-2)	T	Solid	5035	
360-30197-5	B-109 (9-10)	T	Solid	5035	
360-30197-7	B-111 (1-2)	T	Solid	5035	
360-30197-8	B-112 (2-3)	T	Solid	5035	
360-30197-11	DUP-1	T	Solid	5035	
Analysis Batch:360-63457					
LCS 360-63451/1-A	Lab Control Sample	T	Solid	8260B	360-63451
LCSD 360-63451/2-A	Lab Control Sample Duplicate	T	Solid	8260B	360-63451
MB 360-63451/3-A	Method Blank	T	Solid	8260B	360-63451
360-30197-1	B-105 (2-3)	T	Solid	8260B	360-63451
360-30197-2	B-106 (3-4)	T	Solid	8260B	360-63451
360-30197-3	B-107 (1-2)	T	Solid	8260B	360-63451
360-30197-4	B-108 (1-2)	T	Solid	8260B	360-63451
360-30197-5	B-109 (9-10)	T	Solid	8260B	360-63451
360-30197-7	B-111 (1-2)	T	Solid	8260B	360-63451
360-30197-8	B-112 (2-3)	T	Solid	8260B	360-63451
360-30197-11	DUP-1	T	Solid	8260B	360-63451

Report Basis

T = Total

Client: Tighe & Bond

Job Number: 360-30197-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 360-63338					
LCS 360-63338/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-63338/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-63338/1-A	Method Blank	T	Solid	3546	
360-30197-1	B-105 (2-3)	T	Solid	3546	
360-30197-1RA	B-105 (2-3)	T	Solid	3546	
360-30197-2	B-106 (3-4)	T	Solid	3546	
360-30197-3	B-107 (1-2)	T	Solid	3546	
360-30197-4	B-108 (1-2)	T	Solid	3546	
360-30197-4RA	B-108 (1-2)	T	Solid	3546	
360-30197-5	B-109 (9-10)	T	Solid	3546	
360-30197-7	B-111 (1-2)	T	Solid	3546	
360-30197-7RA	B-111 (1-2)	T	Solid	3546	
360-30197-8	B-112 (2-3)	T	Solid	3546	
360-30197-11	DUP-1	T	Solid	3546	
Prep Batch: 360-63357					
LCS 360-63357/2-A	Lab Control Sample	T	Water	3510C	
LCSD 360-63357/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 360-63357/1-A	Method Blank	T	Water	3510C	
360-30197-12	EB-2	T	Water	3510C	
Analysis Batch:360-63505					
LCS 360-63338/2-A	Lab Control Sample	T	Solid	8270C	360-63338
LCSD 360-63338/3-A	Lab Control Sample Duplicate	T	Solid	8270C	360-63338
MB 360-63338/1-A	Method Blank	T	Solid	8270C	360-63338
Analysis Batch:360-63508					
LCS 360-63357/2-A	Lab Control Sample	T	Water	8270C	360-63357
LCSD 360-63357/3-A	Lab Control Sample Duplicate	T	Water	8270C	360-63357
MB 360-63357/1-A	Method Blank	T	Water	8270C	360-63357
Analysis Batch:360-63556					
360-30197-1	B-105 (2-3)	T	Solid	8270C	360-63338
360-30197-2	B-106 (3-4)	T	Solid	8270C	360-63338
360-30197-4	B-108 (1-2)	T	Solid	8270C	360-63338
360-30197-7	B-111 (1-2)	T	Solid	8270C	360-63338
Analysis Batch:360-63635					
360-30197-1RA	B-105 (2-3)	T	Solid	8270C	360-63338
360-30197-4RA	B-108 (1-2)	T	Solid	8270C	360-63338
360-30197-5	B-109 (9-10)	T	Solid	8270C	360-63338
360-30197-7RA	B-111 (1-2)	T	Solid	8270C	360-63338
360-30197-8	B-112 (2-3)	T	Solid	8270C	360-63338
360-30197-11	DUP-1	T	Solid	8270C	360-63338
360-30197-12	EB-2	T	Water	8270C	360-63357

Client: Tighe & Bond

Job Number: 360-30197-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:360-63684					
360-30197-3	B-107 (1-2)	T	Solid	8270C	360-63338

Report Basis

T = Total

Client: Tighe & Bond

Job Number: 360-30197-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 360-63359					
LCS 360-63359/2-A	Lab Control Sample	T	Solid	3546	
LCSD 360-63359/3-A	Lab Control Sample Duplicate	T	Solid	3546	
MB 360-63359/1-A	Method Blank	T	Solid	3546	
360-30197-1	B-105 (2-3)	T	Solid	3546	
360-30197-2	B-106 (3-4)	T	Solid	3546	
360-30197-3DL	B-107 (1-2)	T	Solid	3546	
360-30197-4DL	B-108 (1-2)	T	Solid	3546	
360-30197-5	B-109 (9-10)	T	Solid	3546	
360-30197-7	B-111 (1-2)	T	Solid	3546	
360-30197-8	B-112 (2-3)	T	Solid	3546	
360-30197-9	B-113 (.5-1.5')	T	Solid	3546	
360-30197-10	B-114 (2-3)	T	Solid	3546	
360-30197-11	DUP-1	T	Solid	3546	
Prep Batch: 360-63360					
LCS 360-63360/2-A	Lab Control Sample	T	Solid	3540C	
LCSD 360-63360/3-A	Lab Control Sample Duplicate	T	Solid	3540C	
MB 360-63360/1-A	Method Blank	T	Solid	3540C	
360-30197-1	B-105 (2-3)	T	Solid	3540C	
360-30197-2	B-106 (3-4)	T	Solid	3540C	
360-30197-3	B-107 (1-2)	T	Solid	3540C	
360-30197-4	B-108 (1-2)	T	Solid	3540C	
360-30197-5	B-109 (9-10)	T	Solid	3540C	
360-30197-6	B-110 (0-6")	T	Solid	3540C	
360-30197-7	B-111 (1-2)	T	Solid	3540C	
360-30197-8	B-112 (2-3)	T	Solid	3540C	
360-30197-9	B-113 (.5-1.5')	T	Solid	3540C	
360-30197-11	DUP-1	T	Solid	3540C	
Prep Batch: 360-63368					
LCS 360-63368/2-A	Lab Control Sample	T	Water	3510C	
LCSD 360-63368/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 360-63368/1-A	Method Blank	T	Water	3510C	
360-30197-12	EB-2	T	Water	3510C	
Prep Batch: 360-63408					
LCS 360-63408/2-A	Lab Control Sample	T	Water	3510C	
LCSD 360-63408/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 360-63408/1-A	Method Blank	T	Water	3510C	
360-30197-12	EB-2	T	Water	3510C	

Client: Tighe & Bond

Job Number: 360-30197-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:360-63445					
LCS 360-63360/2-A	Lab Control Sample	T	Solid	8082	360-63360
LCSD 360-63360/3-A	Lab Control Sample Duplicate	T	Solid	8082	360-63360
MB 360-63360/1-A	Method Blank	T	Solid	8082	360-63360
360-30197-1	B-105 (2-3)	T	Solid	8082	360-63360
360-30197-2	B-106 (3-4)	T	Solid	8082	360-63360
360-30197-3	B-107 (1-2)	T	Solid	8082	360-63360
360-30197-4	B-108 (1-2)	T	Solid	8082	360-63360
360-30197-5	B-109 (9-10)	T	Solid	8082	360-63360
360-30197-6	B-110 (0-6")	T	Solid	8082	360-63360
360-30197-7	B-111 (1-2)	T	Solid	8082	360-63360
Analysis Batch:360-63469					
LCS 360-63408/2-A	Lab Control Sample	T	Water	8082	360-63408
LCSD 360-63408/3-A	Lab Control Sample Duplicate	T	Water	8082	360-63408
MB 360-63408/1-A	Method Blank	T	Water	8082	360-63408
360-30197-8	B-112 (2-3)	T	Solid	8082	360-63360
360-30197-9	B-113 (.5-1.5')	T	Solid	8082	360-63360
360-30197-11	DUP-1	T	Solid	8082	360-63360
360-30197-12	EB-2	T	Water	8082	360-63408
Analysis Batch:360-63515					
LCS 360-63359/2-A	Lab Control Sample	T	Solid	CT ETPH	360-63359
LCSD 360-63359/3-A	Lab Control Sample Duplicate	T	Solid	CT ETPH	360-63359
MB 360-63359/1-A	Method Blank	T	Solid	CT ETPH	360-63359
LCS 360-63368/2-A	Lab Control Sample	T	Water	CT ETPH	360-63368
LCSD 360-63368/3-A	Lab Control Sample Duplicate	T	Water	CT ETPH	360-63368
360-30197-1	B-105 (2-3)	T	Solid	CT ETPH	360-63359
360-30197-2	B-106 (3-4)	T	Solid	CT ETPH	360-63359
360-30197-3DL	B-107 (1-2)	T	Solid	CT ETPH	360-63359
360-30197-4DL	B-108 (1-2)	T	Solid	CT ETPH	360-63359
360-30197-5	B-109 (9-10)	T	Solid	CT ETPH	360-63359
360-30197-7	B-111 (1-2)	T	Solid	CT ETPH	360-63359
360-30197-8	B-112 (2-3)	T	Solid	CT ETPH	360-63359
360-30197-9	B-113 (.5-1.5')	T	Solid	CT ETPH	360-63359
360-30197-10	B-114 (2-3)	T	Solid	CT ETPH	360-63359
360-30197-11	DUP-1	T	Solid	CT ETPH	360-63359
360-30197-12	EB-2	T	Water	CT ETPH	360-63368
Analysis Batch:360-63580					
MB 360-63368/1-A	Method Blank	T	Water	CT ETPH	360-63368

Report Basis

T = Total

Client: Tighe & Bond

Job Number: 360-30197-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 220-42971					
LB 220-42971/1-E	TCLP SPLPE Leachate Blank	E	Solid	1312	
360-30197-2	B-106 (3-4)	E	Solid	1312	
360-30197-3	B-107 (1-2)	E	Solid	1312	
360-30197-11	DUP-1	E	Solid	1312	
Prep Batch: 220-43045					
LCS 220-43045/2-A	Lab Control Sample	T	Water	3010A	
MB 220-43045/1-A	Method Blank	T	Water	3010A	
LB 220-42971/1-E	TCLP SPLPE Leachate Blank	E	Solid	3010A	220-42971
360-30197-2	B-106 (3-4)	E	Solid	3010A	220-42971
360-30197-3	B-107 (1-2)	E	Solid	3010A	220-42971
360-30197-11	DUP-1	E	Solid	3010A	220-42971
Analysis Batch:220-43070					
LB 220-42971/1-E	TCLP SPLPE Leachate Blank	E	Solid	6010B	220-43045
LCS 220-43045/2-A	Lab Control Sample	T	Water	6010B	220-43045
MB 220-43045/1-A	Method Blank	T	Water	6010B	220-43045
360-30197-2	B-106 (3-4)	E	Solid	6010B	220-43045
360-30197-3	B-107 (1-2)	E	Solid	6010B	220-43045
360-30197-11	DUP-1	E	Solid	6010B	220-43045
Prep Batch: 360-63320					
LCS 360-63320/2-A	Lab Control Sample	T	Water	3010A	
MB 360-63320/1-A	Method Blank	T	Water	3010A	
360-30197-12	EB-2	T	Water	3010A	
Prep Batch: 360-63323					
LCS 360-63323/2-A	Lab Control Sample	T	Solid	7471A	
LCSD 360-63323/3-A	Lab Control Sample Duplicate	T	Solid	7471A	
MB 360-63323/1-A	Method Blank	T	Solid	7471A	
360-30197-1	B-105 (2-3)	T	Solid	7471A	
360-30197-4	B-108 (1-2)	T	Solid	7471A	
360-30197-5	B-109 (9-10)	T	Solid	7471A	
360-30197-7	B-111 (1-2)	T	Solid	7471A	
360-30197-8	B-112 (2-3)	T	Solid	7471A	
360-30197-14	DUP-2	T	Solid	7471A	

Client: Tighe & Bond

Job Number: 360-30197-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-63334					
LCSSRM 360-63334/2-A	LCS-Certified Reference Material	T	Solid	3050B	
LCDSRM 360-63334/3-A	LCSD - Standard Reference Material	T	Solid	3050B	
MB 360-63334/1-A	Method Blank	T	Solid	3050B	
360-30197-1	B-105 (2-3)	T	Solid	3050B	
360-30197-2	B-106 (3-4)	T	Solid	3050B	
360-30197-3	B-107 (1-2)	T	Solid	3050B	
360-30197-4	B-108 (1-2)	T	Solid	3050B	
360-30197-5	B-109 (9-10)	T	Solid	3050B	
360-30197-7	B-111 (1-2)	T	Solid	3050B	
360-30197-8	B-112 (2-3)	T	Solid	3050B	
360-30197-11	DUP-1	T	Solid	3050B	
360-30197-14	DUP-2	T	Solid	3050B	
Prep Batch: 360-63389					
LCS 360-63389/2-A	Lab Control Sample	T	Water	7470A	
LCSD 360-63389/3-A	Lab Control Sample Duplicate	T	Water	7470A	
MB 360-63389/1-A	Method Blank	T	Water	7470A	
360-30197-12	EB-2	T	Water	7470A	
Analysis Batch:360-63413					
LCS 360-63323/2-A	Lab Control Sample	T	Solid	7471A	360-63323
LCSD 360-63323/3-A	Lab Control Sample Duplicate	T	Solid	7471A	360-63323
MB 360-63323/1-A	Method Blank	T	Solid	7471A	360-63323
360-30197-1	B-105 (2-3)	T	Solid	7471A	360-63323
360-30197-4	B-108 (1-2)	T	Solid	7471A	360-63323
360-30197-5	B-109 (9-10)	T	Solid	7471A	360-63323
360-30197-7	B-111 (1-2)	T	Solid	7471A	360-63323
360-30197-8	B-112 (2-3)	T	Solid	7471A	360-63323
360-30197-14	DUP-2	T	Solid	7471A	360-63323
Analysis Batch:360-63421					
LCS 360-63389/2-A	Lab Control Sample	T	Water	7470A	360-63389
LCSD 360-63389/3-A	Lab Control Sample Duplicate	T	Water	7470A	360-63389
MB 360-63389/1-A	Method Blank	T	Water	7470A	360-63389
360-30197-12	EB-2	T	Water	7470A	360-63389

Client: Tighe & Bond

Job Number: 360-30197-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:360-63425					
LCSSRM 360-63334/2-A	LCS-Certified Reference Material	T	Solid	6010B	360-63334
LCDSRM 360-63334/3-A	LCSD - Standard Reference Material	T	Solid	6010B	360-63334
MB 360-63334/1-A	Method Blank	T	Solid	6010B	360-63334
360-30197-1	B-105 (2-3)	T	Solid	6010B	360-63334
360-30197-2	B-106 (3-4)	T	Solid	6010B	360-63334
360-30197-3	B-107 (1-2)	T	Solid	6010B	360-63334
360-30197-4	B-108 (1-2)	T	Solid	6010B	360-63334
360-30197-5	B-109 (9-10)	T	Solid	6010B	360-63334
360-30197-7	B-111 (1-2)	T	Solid	6010B	360-63334
360-30197-8	B-112 (2-3)	T	Solid	6010B	360-63334
360-30197-11	DUP-1	T	Solid	6010B	360-63334
360-30197-14	DUP-2	T	Solid	6010B	360-63334
Analysis Batch:360-63520					
LCS 360-63320/2-A	Lab Control Sample	T	Water	6010B	360-63320
MB 360-63320/1-A	Method Blank	T	Water	6010B	360-63320
360-30197-12	EB-2	T	Water	6010B	360-63320

Report Basis

E = SPLP East

T = Total

Client: Tighe & Bond

Job Number: 360-30197-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-63341					
360-30197-1	B-105 (2-3)	T	Solid	Moisture	
360-30197-2	B-106 (3-4)	T	Solid	Moisture	
360-30197-3	B-107 (1-2)	T	Solid	Moisture	
360-30197-4	B-108 (1-2)	T	Solid	Moisture	
360-30197-5	B-109 (9-10)	T	Solid	Moisture	
360-30197-6	B-110 (0-6")	T	Solid	Moisture	
360-30197-7	B-111 (1-2)	T	Solid	Moisture	
360-30197-8	B-112 (2-3)	T	Solid	Moisture	
360-30197-9	B-113 (.5-1.5')	T	Solid	Moisture	
360-30197-10	B-114 (2-3)	T	Solid	Moisture	
360-30197-11	DUP-1	T	Solid	Moisture	
360-30197-14	DUP-2	T	Solid	Moisture	
Prep Batch: 360-63541					
LCSSRM 360-63541/2-A	LCS-Certified Reference Material	T	Solid	9012A	
MB 360-63541/1-A	Method Blank	T	Solid	9012A	
360-30197-1	B-105 (2-3)	T	Solid	9012A	
360-30197-2	B-106 (3-4)	T	Solid	9012A	
360-30197-3	B-107 (1-2)	T	Solid	9012A	
360-30197-4	B-108 (1-2)	T	Solid	9012A	
360-30197-5	B-109 (9-10)	T	Solid	9012A	
360-30197-7	B-111 (1-2)	T	Solid	9012A	
360-30197-8	B-112 (2-3)	T	Solid	9012A	
360-30197-11	DUP-1	T	Solid	9012A	
Prep Batch: 360-63559					
LCS 360-63559/2-A	Lab Control Sample	T	Water	9012A	
MB 360-63559/1-A	Method Blank	T	Water	9012A	
360-30197-12	EB-2	T	Water	9012A	
Analysis Batch:360-63600					
LCSSRM 360-63541/2-A	LCS-Certified Reference Material	T	Solid	9012A	360-63541
MB 360-63541/1-A	Method Blank	T	Solid	9012A	360-63541
360-30197-1	B-105 (2-3)	T	Solid	9012A	360-63541
360-30197-2	B-106 (3-4)	T	Solid	9012A	360-63541
360-30197-3	B-107 (1-2)	T	Solid	9012A	360-63541
360-30197-4	B-108 (1-2)	T	Solid	9012A	360-63541
360-30197-5	B-109 (9-10)	T	Solid	9012A	360-63541
360-30197-7	B-111 (1-2)	T	Solid	9012A	360-63541
360-30197-8	B-112 (2-3)	T	Solid	9012A	360-63541
360-30197-11	DUP-1	T	Solid	9012A	360-63541

Client: Tighe & Bond

Job Number: 360-30197-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-63603					
LCS 360-63559/2-A	Lab Control Sample	T	Water	9012A	360-63559
MB 360-63559/1-A	Method Blank	T	Water	9012A	360-63559
360-30197-12	EB-2	T	Water	9012A	360-63559

Report Basis

T = Total

Client: Tighe & Bond

Job Number: 360-30197-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
360-30197-1	B-105 (2-3)	104	95	99
360-30197-2	B-106 (3-4)	103	96	99
360-30197-3	B-107 (1-2)	103	94	99
360-30197-4	B-108 (1-2)	102	96	98
360-30197-5	B-109 (9-10)	108	94	102
360-30197-7	B-111 (1-2)	105	96	98
360-30197-8	B-112 (2-3)	105	95	98
360-30197-11	DUP-1	103	94	99
MB 360-63451/3-A		103	94	98
LCS 360-63451/1-A		104	97	105
LCSD 360-63451/2-A		103	97	105

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130

Client: Tighe & Bond

Job Number: 360-30197-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
360-30197-12	EB-2	98	115	98
360-30197-13	TB-2	96	119	97
MB 360-63336/6		96	114	100
LCS 360-63336/3		108	101	99
LCSD 360-63336/4		100	102	105

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130

Client: Tighe & Bond

Job Number: 360-30197-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
360-30197-1	B-105 (2-3)	73	65	52
360-30197-1 RA	B-105 (2-3) RA	58	58	55
360-30197-2	B-106 (3-4)	76	71	64
360-30197-3	B-107 (1-2)	65	68	80
360-30197-4	B-108 (1-2)	58	52	111
360-30197-4 RA	B-108 (1-2) RA	60	55	102
360-30197-5	B-109 (9-10)	62	66	92
360-30197-7	B-111 (1-2)	76	67	56
360-30197-7 RA	B-111 (1-2) RA	60	57	92
360-30197-8	B-112 (2-3)	53	51	76
360-30197-11	DUP-1	64	65	89
MB 360-63338/1-A		76	71	75
LCS 360-63338/2-A		63	63	63
LCSD 360-63338/3-A		71	74	73

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TPH = Terphenyl-d14	30-130

Client: Tighe & Bond

Job Number: 360-30197-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
360-30197-12	EB-2	77	65	95
MB 360-63357/1-A		86	83	78
LCS 360-63357/2-A		89	92	84
LCSD 360-63357/3-A		90	91	83

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TPH = Terphenyl-d14	30-130

Client: Tighe & Bond

Job Number: 360-30197-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
360-30197-1	B-105 (2-3)	157X	154X	126	129
360-30197-2	B-106 (3-4)	157X	159X	128	136
360-30197-3	B-107 (1-2)	88	128	118	128
360-30197-4	B-108 (1-2)	77p	117	105	107
360-30197-5	B-109 (9-10)	128	126	127	114
360-30197-6	B-110 (0-6")	93p	145	120	125
360-30197-7	B-111 (1-2)	187X	156X	128	124
360-30197-8	B-112 (2-3)	154X	138	94	98
360-30197-9	B-113 (.5-1.5')	160X	149	91	106
360-30197-11	DUP-1	160X	155X	130	137
MB 360-63360/1-A		110	116	89	97
LCS 360-63360/2-A		122	126	92	102
LCSD 360-63360/3-A		135	132	97	104

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	30-150
TCX = Tetrachloro-m-xylene	30-150

Client: Tighe & Bond

Job Number: 360-30197-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
360-30197-12	EB-2	104	105	90	100
MB 360-63408/1-A		151X	145	119	121
LCS 360-63408/2-A		135	131	111	110
LCSD 360-63408/3-A		119	118	103	107

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	30-150
TCX = Tetrachloro-m-xylene	30-150

Client: Tighe & Bond

Job Number: 360-30197-1

Surrogate Recovery Report

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	OTPH %Rec
360-30197-1	B-105 (2-3)	72
360-30197-2	B-106 (3-4)	73
360-30197-3 DL	B-107 (1-2) DL	72
360-30197-4 DL	B-108 (1-2) DL	0X D
360-30197-5	B-109 (9-10)	74
360-30197-7	B-111 (1-2)	57
360-30197-8	B-112 (2-3)	70
360-30197-9	B-113 (.5-1.5')	70
360-30197-10	B-114 (2-3)	71
360-30197-11	DUP-1	64
MB 360-63359/1-A		67
LCS 360-63359/2-A		72
LCSD 360-63359/3-A		75

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	50-150

Client: Tighe & Bond

Job Number: 360-30197-1

Surrogate Recovery Report

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	OTPH %Rec
360-30197-12	EB-2	65
MB 360-63368/1-A		85
LCS 360-63368/2-A		67
LCSD 360-63368/3-A		86

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	50-150

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 360-63336

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 360-63336/6	Analysis Batch:	360-63336	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10487.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 1100			Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 1100				

Analyte	Result	Qual	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 360-63336

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 360-63336/6	Analysis Batch:	360-63336	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10487.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 1100			Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 1100				

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	96	70 - 130
Dibromofluoromethane	114	70 - 130
Toluene-d8 (Surr)	100	70 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63336

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-63336/3	Analysis Batch:	360-63336	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10484.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 0952			Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 0952				

LCSD Lab Sample ID:	LCSD 360-63336/4	Analysis Batch:	360-63336	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10485.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 1015			Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 1015				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	93	93	70 - 130	0.3	25		
Acrylonitrile	98	95	70 - 130	3	25		
Benzene	106	102	70 - 130	4	25		
Bromobenzene	102	97	70 - 130	5	25		
n-Butylbenzene	89	91	70 - 130	2	25		
sec-Butylbenzene	102	95	70 - 130	8	25		
tert-Butylbenzene	101	95	70 - 130	7	25		
Dichlorobromomethane	107	108	70 - 130	1	25		
Bromoform	93	96	70 - 130	4	25		
Bromomethane	105	104	70 - 130	2	25		
2-Butanone (MEK)	87	87	70 - 130	0.8	25		
Carbon disulfide	115	110	70 - 130	5	25		
Carbon tetrachloride	110	108	70 - 130	2	25		
Chlorobenzene	103	98	70 - 130	5	25		
Chloroethane	108	103	70 - 130	4	25		
Chloroform	106	104	70 - 130	2	25		
Chloromethane	106	101	70 - 130	5	25		
2-Chlorotoluene	107	104	70 - 130	3	25		
4-Chlorotoluene	105	97	70 - 130	8	25		
Chlorodibromomethane	109	110	70 - 130	1	25		
1,2-Dibromo-3-Chloropropane	84	90	70 - 130	7	25		
Dibromomethane	104	105	70 - 130	0.4	25		
1,2-Dichlorobenzene	94	101	70 - 130	8	25		
1,3-Dichlorobenzene	116	108	70 - 130	7	25		
1,4-Dichlorobenzene	100	101	70 - 130	1	25		
Dichlorodifluoromethane	111	101	70 - 130	9	25		
1,1-Dichloroethene	108	99	70 - 130	9	25		
1,1-Dichloroethane	103	103	70 - 130	0.7	25		
1,2-Dichloroethane	104	105	70 - 130	0.8	25		
cis-1,2-Dichloroethene	106	101	70 - 130	5	25		
1,2-Dichloropropane	100	103	70 - 130	3	25		
1,3-Dichloropropane	100	105	70 - 130	5	25		
2,2-Dichloropropane	132	121	70 - 130	8	25	*	

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63336

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-63336/3	Analysis Batch:	360-63336	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10484.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 0952			Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 0952				

LCSD Lab Sample ID:	LCSD 360-63336/4	Analysis Batch:	360-63336	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10485.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 1015			Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 1015				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloropropene	108	104	70 - 130	3	25		
cis-1,3-Dichloropropene	105	107	70 - 130	2	25		
trans-1,3-Dichloropropene	103	108	70 - 130	5	25		
Ethylbenzene	101	97	70 - 130	4	25		
Hexachlorobutadiene	112	108	70 - 130	3	25		
2-Hexanone	93	93	70 - 130	0.8	25		
Isopropylbenzene	97	93	70 - 130	5	25		
4-Isopropyltoluene	102	94	70 - 130	9	25		
Methylene Chloride	106	105	70 - 130	0.7	25		
4-Methyl-2-pentanone (MIBK)	95	97	70 - 130	2	25		
Methyl tert-butyl ether	107	108	70 - 130	1	25		
Naphthalene	88	94	70 - 130	6	25		
N-Propylbenzene	103	94	70 - 130	9	25		
Styrene	101	94	70 - 130	7	25		
1,1,1,2-Tetrachloroethane	105	101	70 - 130	4	25		
1,1,2,2-Tetrachloroethane	86	90	70 - 130	4	25		
Tetrachloroethene	111	112	70 - 130	0.6	25		
Tetrahydrofuran	109	112	70 - 130	3	25		
Toluene	103	106	70 - 130	3	25		
1,2,3-Trichlorobenzene	102	107	70 - 130	5	25		
1,2,4-Trichlorobenzene	106	107	70 - 130	0.7	25		
1,1,1-Trichloroethane	110	108	70 - 130	1	25		
1,1,2-Trichloroethane	98	104	70 - 130	6	25		
Trichloroethene	104	100	70 - 130	3	25		
Trichlorofluoromethane	114	105	70 - 130	8	25		
1,2,3-Trichloropropane	99	95	70 - 130	4	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	110	104	70 - 130	6	25		
1,2,4-Trimethylbenzene	98	94	70 - 130	5	25		
1,3,5-Trimethylbenzene	99	94	70 - 130	5	25		
Vinyl chloride	98	94	70 - 130	5	25		
Ethylene Dibromide	102	103	70 - 130	0.3	25		
trans-1,4-Dichloro-2-butene	94	91	70 - 130	4	25		
trans-1,2-Dichloroethene	100	98	70 - 130	3	25		

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63336

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-63336/3	Analysis Batch:	360-63336	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10484.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 0952			Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 0952				

LCSD Lab Sample ID:	LCSD 360-63336/4	Analysis Batch:	360-63336	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10485.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	09/20/2010 1015			Final Weight/Volume:	5 mL
Date Prepared:	09/20/2010 1015				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
m-Xylene & p-Xylene	96	92	70 - 130	4	25		
o-Xylene	96	88	70 - 130	8	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	108	100	70 - 130
Dibromofluoromethane	101	102	70 - 130
Toluene-d8 (Surr)	99	105	70 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 360-63451

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-63451/3-A	Analysis Batch:	360-63457	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63451	Lab File ID:	V49227.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 2219			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0919				

Analyte	Result	Qual	RL
Acetone	ND		50
Acrylonitrile	ND		5.0
Benzene	ND		0.50
Bromobenzene	ND		0.50
n-Butylbenzene	ND		0.50
sec-Butylbenzene	ND		0.50
tert-Butylbenzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromoform	ND		0.50
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		5.0
Carbon disulfide	ND		0.50
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		0.50
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
cis-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		5.0
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		0.50
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		5.0

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 360-63451

Method: 8260B
Preparation: 5035

Lab Sample ID:	MB 360-63451/3-A	Analysis Batch:	360-63457	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63451	Lab File ID:	V49227.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 2219			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0919				

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		0.50
Naphthalene	ND		5.0
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
Tetrachloroethene	ND		0.50
Tetrahydrofuran	ND		5.0
Toluene	ND		0.50
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		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.5
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl chloride	ND		0.50
Ethylene Dibromide	ND		0.50
trans-1,4-Dichloro-2-butene	ND		1.0
trans-1,2-Dichloroethene	ND		0.50
m-Xylene & p-Xylene	ND		1.0
o-Xylene	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	103	70 - 130
Dibromofluoromethane	94	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63451

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-63451/1-A	Analysis Batch:	360-63457	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63451	Lab File ID:	V49223.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 2042			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0919				

LCSD Lab Sample ID:	LCSD 360-63451/2-A	Analysis Batch:	360-63457	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63451	Lab File ID:	V49224.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 2107			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0919				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	74	74	70 - 130	1	25		
Acrylonitrile	118	128	70 - 130	8	25		
Benzene	114	113	70 - 130	0.8	25		
Bromobenzene	112	111	70 - 130	1	25		
n-Butylbenzene	96	91	70 - 130	5	25		
sec-Butylbenzene	108	106	70 - 130	2	25		
tert-Butylbenzene	96	95	70 - 130	2	25		
Dichlorobromomethane	105	107	70 - 130	2	25		
Bromoform	77	80	70 - 130	4	25		
Bromomethane	105	106	70 - 130	0.2	25		
2-Butanone (MEK)	93	99	70 - 130	6	25		
Carbon disulfide	124	121	70 - 130	2	25		
Carbon tetrachloride	94	93	70 - 130	1	25		
Chlorobenzene	105	105	70 - 130	0.06	25		
Chloroethane	116	110	70 - 130	5	25		
Chloroform	110	112	70 - 130	2	25		
Chloromethane	113	111	70 - 130	2	25		
2-Chlorotoluene	111	109	70 - 130	1	25		
4-Chlorotoluene	96	95	70 - 130	1	25		
Chlorodibromomethane	84	89	70 - 130	6	25		
1,2-Dibromo-3-Chloropropane	72	76	70 - 130	5	25		
Dibromomethane	104	106	70 - 130	2	25		
1,2-Dichlorobenzene	83	83	70 - 130	0.05	25		
1,3-Dichlorobenzene	98	98	70 - 130	0.4	25		
1,4-Dichlorobenzene	90	89	70 - 130	2	25		
Dichlorodifluoromethane	95	95	70 - 130	0.3	25		
1,1-Dichloroethene	111	108	70 - 130	2	25		
1,1-Dichloroethane	119	118	70 - 130	1	25		
1,2-Dichloroethane	103	105	70 - 130	3	25		
cis-1,2-Dichloroethene	109	110	70 - 130	0.4	25		
1,2-Dichloropropane	119	120	70 - 130	1	25		
1,3-Dichloropropane	98	102	70 - 130	4	25		
2,2-Dichloropropane	113	112	70 - 130	0.3	25		

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63451

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-63451/1-A	Analysis Batch:	360-63457	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63451	Lab File ID:	V49223.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 2042			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0919				

LCSD Lab Sample ID:	LCSD 360-63451/2-A	Analysis Batch:	360-63457	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63451	Lab File ID:	V49224.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 2107			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0919				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloropropene	103	101	70 - 130	2	25		
cis-1,3-Dichloropropene	98	100	70 - 130	2	25		
trans-1,3-Dichloropropene	107	107	70 - 130	0.2	25		
Ethylbenzene	109	108	70 - 130	1	25		
Hexachlorobutadiene	89	85	70 - 130	4	25		
2-Hexanone	100	109	70 - 130	8	25		
Isopropylbenzene	105	103	70 - 130	2	25		
4-Isopropyltoluene	111	107	70 - 130	4	25		
Methylene Chloride	115	116	70 - 130	1	25		
4-Methyl-2-pentanone (MIBK)	112	121	70 - 130	7	25		
Methyl tert-butyl ether	116	124	70 - 130	7	25		
Naphthalene	98	101	70 - 130	3	25		
N-Propylbenzene	110	106	70 - 130	3	25		
Styrene	102	102	70 - 130	0.3	25		
1,1,1,2-Tetrachloroethane	87	86	70 - 130	0.1	25		
1,1,2,2-Tetrachloroethane	86	89	70 - 130	4	25		
Tetrachloroethene	91	91	70 - 130	0.6	25		
Tetrahydrofuran	127	134	70 - 130	6	25		
Toluene	108	108	70 - 130	0.4	25		
1,2,3-Trichlorobenzene	94	97	70 - 130	3	25		
1,2,4-Trichlorobenzene	93	95	70 - 130	1	25		
1,1,1-Trichloroethane	99	98	70 - 130	1	25		
1,1,2-Trichloroethane	103	107	70 - 130	4	25		
Trichloroethene	113	114	70 - 130	0.7	25		
Trichlorofluoromethane	96	91	70 - 130	5	25		
1,2,3-Trichloropropane	103	109	70 - 130	6	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	91	91	70 - 130	0.6	25		
1,2,4-Trimethylbenzene	109	107	70 - 130	2	25		
1,3,5-Trimethylbenzene	110	109	70 - 130	0.8	25		
Vinyl chloride	104	99	70 - 130	4	25		
Ethylene Dibromide	91	95	70 - 130	4	25		
trans-1,4-Dichloro-2-butene	97	101	70 - 130	4	25		
trans-1,2-Dichloroethene	119	117	70 - 130	2	25		

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63451

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 360-63451/1-A	Analysis Batch:	360-63457	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63451	Lab File ID:	V49223.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 2042			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0919				

LCSD Lab Sample ID:	LCSD 360-63451/2-A	Analysis Batch:	360-63457	Instrument ID:	HP #1 GC/MS
Client Matrix:	Solid	Prep Batch:	360-63451	Lab File ID:	V49224.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	09/21/2010 2107			Final Weight/Volume:	5 g
Date Prepared:	09/21/2010 0919				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
m-Xylene & p-Xylene	110	108	70 - 130	2	25		
o-Xylene	109	108	70 - 130	1	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	104	103	70 - 130
Dibromofluoromethane	97	97	70 - 130
Toluene-d8 (Surr)	105	105	70 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 360-63338

Method: 8270C
Preparation: 3546

Lab Sample ID:	MB 360-63338/1-A	Analysis Batch:	360-63505	Instrument ID:	Inst. J
Client Matrix:	Solid	Prep Batch:	360-63338	Lab File ID:	J0987.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/22/2010 1848			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1008			Injection Volume:	1 uL

Analyte	Result	Qual	RL
2-Methylnaphthalene	ND		170
Acenaphthylene	ND		170
Acenaphthene	ND		170
Anthracene	ND		170
Benzo[a]anthracene	ND		170
Benzo[g,h,i]perylene	ND		170
Benzo[a]pyrene	ND		170
Benzo[k]fluoranthene	ND		180
Benzo[b]fluoranthene	ND		170
Chrysene	ND		170
Dibenz(a,h)anthracene	ND		170
Fluoranthene	ND		170
Fluorene	ND		170
Indeno[1,2,3-cd]pyrene	ND		330
Naphthalene	ND		170
Phenanthrene	ND		170
Pyrene	ND		170

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	76	30 - 130
2-Fluorobiphenyl	71	30 - 130
Terphenyl-d14	75	30 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63338

Method: 8270C
Preparation: 3546

LCS Lab Sample ID:	LCS 360-63338/2-A	Analysis Batch:	360-63505	Instrument ID:	Inst. J
Client Matrix:	Solid	Prep Batch:	360-63338	Lab File ID:	J0988.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/22/2010 1916			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1008			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 360-63338/3-A	Analysis Batch:	360-63505	Instrument ID:	Inst. J
Client Matrix:	Solid	Prep Batch:	360-63338	Lab File ID:	J0989.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/22/2010 1944			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1008			Injection Volume:	1 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2-Methylnaphthalene	68	77	40 - 140	13	30		
Acenaphthylene	59	69	40 - 140	16	30		
Acenaphthene	67	78	40 - 140	15	30		
Anthracene	70	83	40 - 140	17	30		
Benzo[a]anthracene	71	80	40 - 140	13	30		
Benzo[g,h,i]perylene	70	84	40 - 140	18	30		
Benzo[a]pyrene	69	80	40 - 140	15	30		
Benzo[k]fluoranthene	70	78	40 - 140	11	30		
Benzo[b]fluoranthene	62	76	40 - 140	20	30		
Chrysene	69	79	40 - 140	14	30		
Dibenz(a,h)anthracene	70	83	40 - 140	18	30		
Fluoranthene	76	85	40 - 140	12	30		
Fluorene	69	80	40 - 140	15	30		
Indeno[1,2,3-cd]pyrene	69	83	40 - 140	18	30		
Naphthalene	63	72	40 - 140	13	30		
Phenanthrene	65	76	40 - 140	15	30		
Pyrene	64	77	40 - 140	19	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5	63	71	30 - 130
2-Fluorobiphenyl	63	74	30 - 130
Terphenyl-d14	63	73	30 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 360-63357

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 360-63357/1-A	Analysis Batch:	360-63508	Instrument ID:	Inst. J
Client Matrix:	Water	Prep Batch:	360-63357	Lab File ID:	J1018.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/23/2010 0935			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1403			Injection Volume:	1 uL

Analyte	Result	Qual	RL
2-Methylnaphthalene	ND		5.0
Acenaphthylene	ND		5.0
Acenaphthene	ND		5.0
Anthracene	ND		5.0
Benzo[a]anthracene	ND		5.0
Benzo[g,h,i]perylene	ND		5.0
Benzo[a]pyrene	ND		5.0
Benzo[k]fluoranthene	ND		5.0
Benzo[b]fluoranthene	ND		5.0
Chrysene	ND		5.0
Dibenz(a,h)anthracene	ND		5.0
Fluoranthene	ND		5.0
Fluorene	ND		5.0
Indeno[1,2,3-cd]pyrene	ND		5.0
Naphthalene	ND		5.0
Phenanthrene	ND		5.0
Pyrene	ND		5.0

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	86	30 - 130
2-Fluorobiphenyl	83	30 - 130
Terphenyl-d14	78	30 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63357

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-63357/2-A	Analysis Batch:	360-63508	Instrument ID:	Inst. J
Client Matrix:	Water	Prep Batch:	360-63357	Lab File ID:	J1019.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/23/2010 1004			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1403			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 360-63357/3-A	Analysis Batch:	360-63508	Instrument ID:	Inst. J
Client Matrix:	Water	Prep Batch:	360-63357	Lab File ID:	J1020.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/23/2010 1032			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1403			Injection Volume:	1 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2-Methylnaphthalene	95	96	40 - 140	0.9	20		
Acenaphthylene	89	89	40 - 140	0.1	20		
Acenaphthene	99	98	40 - 140	0.6	20		
Anthracene	103	104	40 - 140	0.7	20		
Benzo[a]anthracene	101	99	40 - 140	2	20		
Benzo[g,h,i]perylene	108	103	40 - 140	4	20		
Benzo[a]pyrene	102	101	40 - 140	1	20		
Benzo[k]fluoranthene	99	101	40 - 140	2	20		
Benzo[b]fluoranthene	96	93	40 - 140	4	20		
Chrysene	99	97	40 - 140	2	20		
Dibenz(a,h)anthracene	107	104	40 - 140	3	20		
Fluoranthene	114	110	40 - 140	3	20		
Fluorene	104	101	40 - 140	3	20		
Indeno[1,2,3-cd]pyrene	108	104	40 - 140	4	20		
Naphthalene	87	86	40 - 140	0.7	20		
Phenanthrene	97	98	40 - 140	1	20		
Pyrene	87	86	40 - 140	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5	89	90	30 - 130
2-Fluorobiphenyl	92	91	30 - 130
Terphenyl-d14	84	83	30 - 130

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 360-63360

Method: 8082
Preparation: 3540C

Lab Sample ID: MB 360-63360/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/22/2010 1055
Date Prepared: 09/20/2010 1428

Analysis Batch: 360-63445
Prep Batch: 360-63360
Units: ug/Kg

Instrument ID: Inst. P
Lab File ID: P5103.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
PCB-1016	ND		100
PCB-1221	ND		100
PCB-1232	ND		100
PCB-1242	ND		100
PCB-1248	ND		100
PCB-1254	ND		100
PCB-1260	ND		100
PCB-1262	ND		100
PCB-1268	ND		100

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	116	30 - 150
Tetrachloro-m-xylene	97	30 - 150

Method Blank - Batch: 360-63360

Method: 8082
Preparation: 3540C

Lab Sample ID: MB 360-63360/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/22/2010 1055
Date Prepared: 09/20/2010 1428

Analysis Batch: 360-63445
Prep Batch: 360-63360
Units: ug/Kg

Instrument ID: Inst. P
Lab File ID: P5103.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 2 uL
Column ID: SECONDARY

Analyte	Result	Qual	RL
PCB-1016	ND		100
PCB-1221	ND		100
PCB-1232	ND		100
PCB-1242	ND		100
PCB-1248	ND		100
PCB-1254	ND		100
PCB-1260	ND		100
PCB-1262	ND		100
PCB-1268	ND		100

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	110	30 - 150
Tetrachloro-m-xylene	89	30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63360

Method: 8082
Preparation: 3540C

LCS Lab Sample ID:	LCS 360-63360/2-A	Analysis Batch:	360-63445	Instrument ID:	Inst. P
Client Matrix:	Solid	Prep Batch:	360-63360	Lab File ID:	P5104.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	10.00 g
Date Analyzed:	09/22/2010 1119			Final Weight/Volume:	10.00 mL
Date Prepared:	09/20/2010 1428			Injection Volume:	2 uL
				Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 360-63360/3-A	Analysis Batch:	360-63445	Instrument ID:	Inst. P
Client Matrix:	Solid	Prep Batch:	360-63360	Lab File ID:	P5105.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	10.00 g
Date Analyzed:	09/22/2010 1144			Final Weight/Volume:	10.00 mL
Date Prepared:	09/20/2010 1428			Injection Volume:	2 uL
				Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	121	115	40 - 140	5	30		
PCB-1260	112	117	40 - 140	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	126	135	30 - 150
Tetrachloro-m-xylene	102	104	30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63360

Method: 8082
Preparation: 3540C

LCS Lab Sample ID:	LCS 360-63360/2-A	Analysis Batch:	360-63445	Instrument ID:	Inst. P
Client Matrix:	Solid	Prep Batch:	360-63360	Lab File ID:	P5104.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	10.00 g
Date Analyzed:	09/22/2010 1119			Final Weight/Volume:	10.00 mL
Date Prepared:	09/20/2010 1428			Injection Volume:	2 uL
				Column ID:	SECONDARY

LCSD Lab Sample ID:	LCSD 360-63360/3-A	Analysis Batch:	360-63445	Instrument ID:	Inst. P
Client Matrix:	Solid	Prep Batch:	360-63360	Lab File ID:	P5105.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	10.00 g
Date Analyzed:	09/22/2010 1144			Final Weight/Volume:	10.00 mL
Date Prepared:	09/20/2010 1428			Injection Volume:	2 uL
				Column ID:	SECONDARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	101	112	40 - 140	10	30		
PCB-1260	102	109	40 - 140	6	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	122	132	30 - 150
Tetrachloro-m-xylene	92	97	30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 360-63408

Method: 8082
Preparation: 3510C

Lab Sample ID: MB 360-63408/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/22/2010 1928
Date Prepared: 09/21/2010 1105

Analysis Batch: 360-63469
Prep Batch: 360-63408
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P5122.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
PCB-1016	ND		0.30
PCB-1221	ND		0.30
PCB-1232	ND		0.30
PCB-1242	ND		0.30
PCB-1248	ND		0.30
PCB-1254	ND		0.30
PCB-1260	ND		0.30
PCB-1262	ND		0.30
PCB-1268	ND		0.30

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	151	X	30 - 150
Tetrachloro-m-xylene	121		30 - 150

Method Blank - Batch: 360-63408

Method: 8082
Preparation: 3510C

Lab Sample ID: MB 360-63408/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/22/2010 1928
Date Prepared: 09/21/2010 1105

Analysis Batch: 360-63469
Prep Batch: 360-63408
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P5122.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: SECONDARY

Analyte	Result	Qual	RL
PCB-1016	ND		0.30
PCB-1221	ND		0.30
PCB-1232	ND		0.30
PCB-1242	ND		0.30
PCB-1248	ND		0.30
PCB-1254	ND		0.30
PCB-1260	ND		0.30
PCB-1262	ND		0.30
PCB-1268	ND		0.30

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	145	30 - 150
Tetrachloro-m-xylene	119	30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63408

Method: 8082
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-63408/2-A	Analysis Batch:	360-63469	Instrument ID:	Inst. P
Client Matrix:	Water	Prep Batch:	360-63408	Lab File ID:	P5123.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/22/2010 1952			Final Weight/Volume:	5.0 mL
Date Prepared:	09/21/2010 1105			Injection Volume:	2 uL
				Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 360-63408/3-A	Analysis Batch:	360-63469	Instrument ID:	Inst. P
Client Matrix:	Water	Prep Batch:	360-63408	Lab File ID:	P5124.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/22/2010 2017			Final Weight/Volume:	5.0 mL
Date Prepared:	09/21/2010 1105			Injection Volume:	2 uL
				Column ID:	PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	122	117	40 - 140	4	20		
PCB-1260	117	115	40 - 140	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	135	119	30 - 150
Tetrachloro-m-xylene	111	107	30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63408

Method: 8082
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-63408/2-A	Analysis Batch:	360-63469	Instrument ID:	Inst. P
Client Matrix:	Water	Prep Batch:	360-63408	Lab File ID:	P5123.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/22/2010 1952			Final Weight/Volume:	5.0 mL
Date Prepared:	09/21/2010 1105			Injection Volume:	2 uL
				Column ID:	SECONDARY

LCSD Lab Sample ID:	LCSD 360-63408/3-A	Analysis Batch:	360-63469	Instrument ID:	Inst. P
Client Matrix:	Water	Prep Batch:	360-63408	Lab File ID:	P5124.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/22/2010 2017			Final Weight/Volume:	5.0 mL
Date Prepared:	09/21/2010 1105			Injection Volume:	2 uL
				Column ID:	SECONDARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	113	113	40 - 140	0.3	20		
PCB-1260	112	106	40 - 140	5	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	131	118	30 - 150
Tetrachloro-m-xylene	110	103	30 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 360-63359

Method: CT ETPH
Preparation: 3546

Lab Sample ID:	MB 360-63359/1-A	Analysis Batch:	360-63515	Instrument ID:	Inst. F
Client Matrix:	Solid	Prep Batch:	360-63359	Lab File ID:	F175535.D
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/23/2010 0358			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422			Injection Volume:	1 uL

Analyte	Result	Qual	RL
C9-C36	ND		3.3

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	67	50 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63359

Method: CT ETPH
Preparation: 3546

LCS Lab Sample ID:	LCS 360-63359/2-A	Analysis Batch:	360-63515	Instrument ID:	Inst. F
Client Matrix:	Solid	Prep Batch:	360-63359	Lab File ID:	F175536.D
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/23/2010 0428			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 360-63359/3-A	Analysis Batch:	360-63515	Instrument ID:	Inst. F
Client Matrix:	Solid	Prep Batch:	360-63359	Lab File ID:	F175537.D
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	30.00 g
Date Analyzed:	09/23/2010 0458			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1422			Injection Volume:	1 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
C9-C36	86	89	60 - 120	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	72	75	50 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 360-63368

Method: CT ETPH
Preparation: 3510C

Lab Sample ID:	MB 360-63368/1-A	Analysis Batch:	360-63580	Instrument ID:	Inst. F
Client Matrix:	Water	Prep Batch:	360-63368	Lab File ID:	F175591.D
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/24/2010 0938			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1534			Injection Volume:	1 uL

Analyte	Result	Qual	RL
C9-C36	ND		0.10

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	85	50 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63368

Method: CT ETPH
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-63368/2-A	Analysis Batch:	360-63515	Instrument ID:	Inst. F
Client Matrix:	Water	Prep Batch:	360-63368	Lab File ID:	F175562.D
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/23/2010 1830			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1534			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 360-63368/3-A	Analysis Batch:	360-63515	Instrument ID:	Inst. F
Client Matrix:	Water	Prep Batch:	360-63368	Lab File ID:	F175563.D
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	09/23/2010 1900			Final Weight/Volume:	1.0 mL
Date Prepared:	09/20/2010 1534			Injection Volume:	1 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
C9-C36	76	97	60 - 120	24	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	67	86	50 - 150

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 220-43045

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 220-43045/1-A	Analysis Batch:	220-43070	Instrument ID:	ICAP3
Client Matrix:	Water	Prep Batch:	220-43045	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	100 mL
Date Analyzed:	09/27/2010 1646			Final Weight/Volume:	50 mL
Date Prepared:	09/27/2010 1211				

Analyte	Result	Qual	RL
Lead	ND		15

TCLP SPLPE Leachate Blank - Batch: 220-43045

Method: 6010B
Preparation: 3010A
SPLP East

Lab Sample ID:	LB 220-42971/1-E	Analysis Batch:	220-43070	Instrument ID:	ICAP3
Client Matrix:	Solid	Prep Batch:	220-43045	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	100 mL
Date Analyzed:	09/27/2010 1652			Final Weight/Volume:	50 mL
Date Prepared:	09/27/2010 1211				
Date Leached:	09/23/2010 1840	Leachate Batch:	220-42971		

Analyte	Result	Qual	RL
Lead	ND		15

Lab Control Sample - Batch: 220-43045

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 220-43045/2-A	Analysis Batch:	220-43070	Instrument ID:	ICAP3
Client Matrix:	Water	Prep Batch:	220-43045	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/27/2010 1649			Final Weight/Volume:	50 mL
Date Prepared:	09/27/2010 1211				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	1000	1020	102	80 - 120	

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 360-63320

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 360-63320/1-A	Analysis Batch:	360-63520	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-63320	Lab File ID:	092210b.csv
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/22/2010 1140			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0848				

Analyte	Result	Qual	RL
Antimony	ND		6.0
Arsenic	ND		10
Barium	ND		10
Beryllium	ND		1.0
Cadmium	ND		1.0
Chromium	ND		5.0
Copper	ND		10
Lead	ND		5.0
Nickel	ND		10
Selenium	ND		10
Thallium	ND		10
Vanadium	ND		10
Zinc	ND		50
Silver	ND		5.0

Lab Control Sample - Batch: 360-63320

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 360-63320/2-A	Analysis Batch:	360-63520	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-63320	Lab File ID:	092210b.csv
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/22/2010 1143			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0848				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	1000	1010	101	80 - 120	
Arsenic	1000	1010	101	80 - 120	
Barium	1000	1030	103	80 - 120	
Beryllium	1000	1010	101	80 - 120	
Cadmium	1000	1010	101	80 - 120	
Chromium	1000	1030	103	80 - 120	
Copper	1000	1030	103	80 - 120	
Lead	1000	1020	102	80 - 120	
Nickel	1000	1020	102	80 - 120	
Selenium	1000	1000	100	80 - 120	
Thallium	1000	1000	100	80 - 120	
Vanadium	1000	1020	102	80 - 120	
Zinc	1000	1010	101	80 - 120	
Silver	1000	1020	102	80 - 120	

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 360-63334

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 360-63334/1-A	Analysis Batch:	360-63425	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-63334	Lab File ID:	092110b.csv
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	2.00 g
Date Analyzed:	09/21/2010 1340			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

Analyte	Result	Qual	RL
Antimony	ND		0.50
Arsenic	ND		1.0
Barium	ND		0.50
Beryllium	ND		0.20
Cadmium	ND		0.20
Chromium	ND		0.50
Copper	ND		1.0
Lead	ND		0.50
Nickel	ND		1.0
Selenium	ND		0.50
Thallium	ND		1.0
Vanadium	ND		1.0
Zinc	ND		2.5
Silver	ND		0.50

Client: Tighe & Bond

Job Number: 360-30197-1

LCS-Certified Reference Material/
LCSD - Standard Reference Material Recovery Report - Batch:

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID:	LCSSRM 360-63334/2-A	Analysis Batch:	360-63425	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-63334	Lab File ID:	092110b.csv
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.0 g
Date Analyzed:	09/21/2010 1343			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

LCSD Lab Sample ID:	LCDSRM 360-63334/3-A	Analysis Batch:	360-63425	Instrument ID:	Varian ICP
Client Matrix:	Solid	Prep Batch:	360-63334	Lab File ID:	092110b.csv
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.0 g
Date Analyzed:	09/21/2010 1346			Final Weight/Volume:	100 mL
Date Prepared:	09/20/2010 1002				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Antimony	32	28	10.0 - 110	15	30		
Arsenic	81	77	55.4 - 110	5	30		
Barium	83	80	64.6 - 110	4	30		
Beryllium	79	74	53.3 - 110	7	30		
Cadmium	71	68	50.4 - 110	5	30		
Chromium	76	71	50.1 - 110	7	30		
Copper	76	73	52.0 - 111	4	30		
Lead	79	76	60.8 - 110	4	30		
Nickel	72	68	51.1 - 110	5	30		
Selenium	71	65	43.8 - 110	8	30		
Thallium	78	74	52.2 - 110	5	30		
Vanadium	78	69	43.5 - 110	13	30		
Zinc	74	70	53.2 - 110	5	30		
Silver	86	82	52.5 - 110	4	30		

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 360-63389

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 360-63389/1-A	Analysis Batch:	360-63421	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-63389	Lab File ID:	092110B.PRN
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	09/21/2010 1312			Final Weight/Volume:	10 mL
Date Prepared:	09/21/2010 0852				

Analyte	Result	Qual	RL
Mercury	ND		0.20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63389

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 360-63389/2-A	Analysis Batch:	360-63421	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-63389	Lab File ID:	092110B.PRN
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	09/21/2010 1314			Final Weight/Volume:	10 mL
Date Prepared:	09/21/2010 0852				

LCSD Lab Sample ID:	LCSD 360-63389/3-A	Analysis Batch:	360-63421	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-63389	Lab File ID:	092110B.PRN
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	09/21/2010 1316			Final Weight/Volume:	10 mL
Date Prepared:	09/21/2010 0852				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	108	107	80 - 120	1	20		

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 360-63323

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 360-63323/1-A	Analysis Batch:	360-63413	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-63323	Lab File ID:	092110A.PRN
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.20 g
Date Analyzed:	09/21/2010 1134			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0909				

Analyte	Result	Qual	RL
Mercury	ND		0.10

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63323

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID:	LCS 360-63323/2-A	Analysis Batch:	360-63413	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-63323	Lab File ID:	092110A.PRN
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.20 g
Date Analyzed:	09/21/2010 1136			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0909				

LCSD Lab Sample ID:	LCSD 360-63323/3-A	Analysis Batch:	360-63413	Instrument ID:	Hg Analyzer
Client Matrix:	Solid	Prep Batch:	360-63323	Lab File ID:	092110A.PRN
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.20 g
Date Analyzed:	09/21/2010 1138			Final Weight/Volume:	50 mL
Date Prepared:	09/20/2010 0909				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	98	97	80 - 120	2	30		

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 360-63541

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 360-63541/1-A	Analysis Batch:	360-63600	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	360-63541	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	50 mL
Date Analyzed:	09/24/2010 1021			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1056				

Analyte	Result	Qual	RL
Cyanide, Total	ND		0.020

LCS-Certified Reference Material - Batch: 360-63541

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LCSSRM 360-63541/2-A	Analysis Batch:	360-63600	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	360-63541	Lab File ID:	N/A
Dilution:	20	Units:	mg/Kg	Initial Weight/Volume:	1.50 g
Date Analyzed:	09/24/2010 1022			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1056				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	111	42.8	39	20.99 - 298	

Client: Tighe & Bond

Job Number: 360-30197-1

Method Blank - Batch: 360-63559

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 360-63559/1-A	Analysis Batch:	360-63603	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	360-63559	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/24/2010 1045			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1602				

Analyte	Result	Qual	RL
Cyanide, Total	ND		0.010

Lab Control Sample - Batch: 360-63559

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LCS 360-63559/2-A	Analysis Batch:	360-63603	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	360-63559	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	50 mL
Date Analyzed:	09/24/2010 1046			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1602				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.100	0.0975	98	85 - 115	

CTETPH - MASS DISCRIMINATION CHECK

Date: 09/23/10 08:40
Job #: **360-30197**
Analyst: **BB**

Sample Name: **2100ug/mL CTETPH STD F175530.D**

Name	Target Response	Response factor	% DIFF (+- 20%)		Mass Discrimination from C9 (<10%)
C9	850438	5669.586667	-1.28		
C10	843395	5622.633333	-2.10		0.83
C12	857530	5716.866667	-0.46		-0.83
C14	869452	5796.346667	0.93		-2.21
C16	872785	5818.566667	1.32		-2.59
C18	839391	5595.94	-2.56		1.31
C19	838250	5588.333333	-2.69		1.44
C20	829896	5532.64	-3.66		2.44
C22	855835	5705.566667	-0.65		-0.63
C24	873091	5820.606667	1.35		-2.63
C26	887592	5917.28	3.03		-4.28
C28	873283	5821.886667	1.37		-2.65
C30	905484	6036.56	5.11		-6.27
C36	863904	5759.36	0.28		-1.57
Average RF		5743.012381			

NOTE: Mass Discrimination cannot exceed 50% difference (20% is the target).

CTETPH - MASS DISCRIMINATION CHECK

Date: 09/23/10 13:57
Job #: **360-30197**
Analyst: **BB**

Sample Name: **2100ug/mL CTETPH STD F175553.D**

Name	Target Response	Response factor	% DIFF (+- 20%)		Mass Discrimination from C9 (<10%)
C9	817461	5449.74	-1.17		
C10	798597	5323.98	-3.45		2.33
C12	822355	5482.366667	-0.57		-0.60
C14	830120	5534.133333	0.37		-1.54
C16	836096	5573.973333	1.09		-2.25
C18	809034	5393.56	-2.18		1.04
C19	812720	5418.133333	-1.74		0.58
C20	806463	5376.42	-2.50		1.35
C22	827837	5518.913333	0.09		-1.26
C24	839471	5596.473333	1.50		-2.66
C26	851620	5677.466667	2.96		-4.09
C28	832510	5550.066667	0.65		-1.82
C30	864988	5766.586667	4.58		-5.65
C36	830130	5534.2	0.37		-1.54
Average RF		5514.000952			

NOTE: Mass Discrimination cannot exceed 50% difference (20% is the target).

CTETPH - MASS DISCRIMINATION CHECK

Date: 09/24/10 03:22
Job #: **360-30197**
Analyst: **BB**

Sample Name: **2100ug/mL CTETPH STD F175580.D**

Name	Target Response	Response factor	% DIFF (+- 20%)		Mass Discrimination from C9 (<10%)
C9	855803	5705.353333	-1.97		
C10	849875	5665.833333	-2.65		0.70
C12	871638	5810.92	-0.16		-1.83
C14	876287	5841.913333	0.37		-2.37
C16	881275	5875.166667	0.95		-2.93
C18	867746	5784.973333	-0.60		-1.39
C19	871885	5812.566667	-0.13		-1.86
C20	863333	5755.553333	-1.11		-0.88
C22	880514	5870.093333	0.86		-2.85
C24	889861	5932.406667	1.93		-3.90
C26	903391	6022.606667	3.48		-5.41
C28	883578	5890.52	1.21		-3.19
C30	907530	6050.2	3.95		-5.87
C36	819514	5463.426667	-6.13		4.33
Average RF		5820.109524			

NOTE: Mass Discrimination cannot exceed 50% difference (20% is the target).

State Accreditation Matrix

Method Name	Description	State where Primary Accreditation is Carried				
		New Hampshire (NELAC) prim.	Mass	Conn	Florida (NELAC)	North Carolina
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)	NP			NP	
SM 4500 Cl F	Chlorine, Residual		NP			
SM 9215E	Heterotrophic Plate Count (SimPlate)		P			
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP			
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P			
SM 9224	Coliforms, Total, and E.Coli (Enumeration)		P			
1103.1	E.coli		ambient/ source			
Enterolert	Enterococcus					
200.8 Rev 5.4	Metals (ICP/MS) (list upon request)	NP/P	NP/P	NP/P		
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	NP/P		
6010B	Metals (ICP)(list upon request)	NP/SW		NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	NP/P		
7470A	Mercury (CVAA)	NP		NP		
7471A	Mercury (CVAA)	SW		SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	NP/P		
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		NP/P		
3010A	Preparation, Total Metals	NP/P		NP/P		
3020A	Preparation, Total Metals	NP/P/SW		NP/P/SW		
3050B	Preparation, Metals	SW		SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)	P	P	P		
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	NP		
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP		NP		
3546	Microwave Extraction	SW				
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		NP		
3540C	Soxhlet Extraction	SW				
3550B	Ultrasonic Extraction	SW		SW		
600/4-81-045	Polychlorinated Biphenyls (PCBs) (GC)		NP	NP		
8081A	Organochlorine Pesticides (GC)(list upon request)	NP/SW		NP/SW		
8082A	PCBs by Gas Chromatography(list upon request)	NP/SW		NP/SW		
8270C	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)			NP/SW		
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	P		
524.2	Trihalomethane compounds	P	P	P		
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	NP		
5035	Closed System Purge and Trap	SW		SW		
5030B	Purge and Trap	NP		NP		
8260B	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
180.1	Turbidity, Nephelometric	P	P	P		
300	Anions, Ion Chromatography	NP/P	NP/P	NP/P		
410.4	COD	NP	NP	NP		
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	NP		
7196A	Chromium, Hexavalent	NP/SW		NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		NP		
9040B	pH	NP		NP		
9045C	pH	SW		SW		
L107041C	Nitrogen, Nitrate	NP	P	NP/P		
L107-06-1B	Nitrogen Ammonia	NP	NP	NP/P		
L204001A CN	Cyanide, Total	P	NP/P	NP/P		
L210-001A	Phenolics, Total Recoverable	NP	NP	NP		
SM 2320B	Alkalinity	NP/P	NP/P	NP/P		
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	NP/P		
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	NP/P		
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	NP		
SM 3500 CR D	Chromium, Hexavalent	NP		NP		
SM 4500 H+ B	pH	NP/P	NP/P	NP/P		
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	NP/P		
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	NP/P		
SM 4500 P E	Phosphorus, Total	NP	NP	NP		
SM 4500 S2 D	Sulfide, Total	NP		NP		
SM 5210B	BOD, 5-Day	NP	NP	NP		
SM 5310B	Organic Carbon, Total (TOC)	NP/P	NP	NP/P		

Not all organic compounds are accreditied under NELAC
For methods with multiple compounds all compounds may not meet NELAC criteria, listing should be obtained from the laboratory
The lab carries additional accreditations with several states. This is the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-30197-1

Login Number: 30197

List Source: TestAmerica Westfield

Creator: Beaumier, Janine E

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	5.6C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-30197-1

Login Number: 30197
Creator: Teixeira, Maria L
List Number: 1

List Source: TestAmerica Connecticut
List Creation: 09/21/10 12:29 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	9/21/10
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	GUN#1 0.6C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)
Client Contact: Shipping/Receiving
Company: TestAmerica Laboratories, Inc.
Address: 128 Long Hill Cross Road,
City: Shelton
State, Zip: CT, 06484
Phone: 203-929-8140(Tel) 203-929-8142(Fax)
Email:
Project Name: Meriden Brownfields
Site:

Sampler:
Phone:
Due Date Requested: 9/24/2010
TAT Requested (days):
PO #:
WO #:
Project #: 36002340
SSOW#:

Lab PM: Mason, Becky C
E-Mail: becky.mason@testamericainc.com
Carrier Tracking No(s):
COC No: 360-5279.1
Page: Page 1 of 1
Job #: 360-30197-1

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010RCP/1312_E_M (MOD) Client Specific List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
B-106 (360-30197-2)	9/17/10	09:30 Eastern		Solid			X	1	
B-107 (360-30197-3)	9/17/10	09:00 Eastern		Solid			X	1	
DUP-1 (360-30197-11)	9/17/10	08:30 Eastern		Solid			X	1	

9/20/10

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: Gun #1 0-6°c

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	9/20/10 17:00	TA Westfield		9-21-10 9:40	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Form

003566

•53 Southampton Road, Westfield, MA 01085, (P) 413-572-4000, (F) 413-572-3707 — Westfield
•148 Rangeway Road, N. Billerica, MA 01862, (P) 978-667-1400, (F) 978-667-7871 — Boston - Service Center

Client: Tighe & Bond
Address: 213 Court St Suite 900, Middletown, CT 06457
Phone: 860 977 8647 Fax: —
Client Project #: 22-0817
Site ID & State: 116 Cook, CT
Reports Sent To: Meghan Schaub
Email: mmschaub@tighebond.com Email Rpt: ☑
Job# 360-30197 Quote# PO#
Shaded areas for office use
Invoice same as Report to? ☑
If Invoice contact or address different, note in Comments

Requested Turnaround Time (PLEASE SPECIFY)
STANDARD ✓ 5 DAY
RUSH ____ (Lab Approval Required)

Regulatory Programs/Presumptive Certainty/QC Forms
MADEP MCP ☐ GW1/S1 ☐ PWS DEP Forms ☐
CTDEP RCP ☑ CT RSR ☑ EDD Required ☐
QA Rpt: No QC ☐ Std QC Rpt ☑ CLP QC Rpt: ☐

500-series for drinking water
600-series for waste water, NPDES
6000-series for groundwater, soil, waste
8000-series for groundwater, soil, waste
Use comments section to further define.

Comments (Special Instructions)
Please print legibly. If the analytical requests are not clearly defined on the chain-of-custody, the turnaround time will begin after all questions have been satisfactorily answered.

Sample Type Codes: WW-Wastewater, DW-Drinking Water, SW-Surface Water, GW-Groundwater, LW Lab Water, A-Air, "Z"-Other (please specify)

Sample I.D.	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >12	Na2S2O3	None / 4ºC	8260 / 624 / 524	8270 / 625 / 525	Pest / Herbicide / PCB	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity	Cyanide
B-105 (2-3)	S	MMS	9-17-10 0915			5	P/G								X	X	X		X	2					X
B-106 (3-4)	S	MMS	9-17-10 0930			5	P/G								X	X	X		X	2					X
B-107 (1-2)	S	MMS	9-17-10 0900 ~~0830~~			5	P/G								X	X	X		X	2					X
B-108 (1-2)	S	MMS	9-17-10 0830			5	P/G								X	X	X		X	1					X
B-109 (9-10)	S	MMS	9-17-10 1000			5	P/G								X	X	X		X	1					X
B-110 (0-6")	S	MMS	9-17-10 1045			4	P/G										X								
B-111 (1-2)	S	MMS	9-17-10 1100			5	P/G								X	X	X		X	1					X
B-112 (2-3)	S	MMS	9-17-10 1145			5	P/G								X	X	X		X	1					X
B-113 (.5-1.5')	S	MMS	9-17-10 1050			1	G										X		X						
B-114 (2-3)	S	MMS	9-17-10 1030			1	G												X						

Comments:
Metals: (1) RCP Metals
(2) Total Lead and SPLP Lead
PCBs: Soxhlet Extraction
Meriden Brownfields Price Quote
TA/T+B QAPP
~~(B-109(2-3) is SPLP Lead and total lead~~
•B-105(2-3) is RCP metals

Sampled by (print): Meghan Schaub
Signature: [signature]

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	9-17-10	1515	[signature]	9/17/10	1515
[signature]	9/17/10	1635	[signature]	9/17/10	16:35

Cooler ? (Y) N
MADEP Requirement Samples Iced? (Y) N
Temp @ receipt: 5.6 ºC
Preservation / pH checked? (Y) N
By: JB Date: 9/17/10

WESTFIELD

Page 1 of 2

White = Lab file Yellow = Report copy Pink = Customer copy

TAL-8245(1007)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Form

011080

●53 Southampton Road
Westfield, MA 01085
(P) 413-572-4000
(F) 413-572-3707
Westfield

●240 Bear Hill Rd., Suite 104
Waltham, MA 02451
(P) 781-466-6900
(F) 781-466-6901
Boston - Service Center

Client: Tighe + Bond
Address: 213 Court St Suite 900
Middletown, CT 06457
Phone: 860 977 8647 Fax:

Client Project #: 22-0817
Site ID & State: 116 Cook, CT
Reports Sent To: Meghan Schaub
Email: mmschaub@tighebond.com Email Rpt: ✓

Job# 360-30197 Quote# PO#
Shaded areas for office use
Invoice same as Report to? ☐
If Invoice contact or address different, note in Comments

Comments (Special Instructions)
Please print legibly. If the analytical requests are not clearly defined on the chain-of-custody, the turnaround time will begin after all questions have been satisfactorily answered.

Requested Turnaround Time (PLEASE SPECIFY)
STANDARD ✓ 5DAY
RUSH ____ (Lab Approval Required)

Regulatory Programs/Presumptive Certainty/QC Forms
MADEP MCP ☐ GW1/S1 ☐ PWS DEP Forms ☐
CTDEP RCP ✓ CT RSR ✓ EDD Required ☐
Std Rpt (L1) ☐ Rpt + QC(L2./MCP ✓ CLP Rpt (L3 or L4) ☐

500-series for drinking water
600-series for wastewater, NPDES
6000-series for groundwater, soil, waste
8000-series for groundwater, soil, waste
Use comments section to further define.

Sample Type Codes: WW-Wastewater, DW-Drinking Water, SW-Surface Water, GW-Groundwater, LW Lab Water, A-Air, S-Solids/Soil O-Oil, "Z"- Other

Sample I.D.	Sample Type	Sampler's Initials	Date Time Collected	pH ✓ (lab use only)	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	Preservative: NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >12	Na2S2O3	None / 4° C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / TPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity	Cyanide
DUP-1	S	MMS	9-17-10				5	P g								x	x	x		x	(2)					x
EB-2	W	MMS	9-17-10 1300				9	P, g								x	x	x		x	(1)					x
TB-2		from	9-17-10 lab				4	g								x										
DUP-2	S	MMS	9-17-10				1	g													(1)					
On Separate Report ↓																										
~~B-202 (1-2)~~	S	MMS	9-17-10 1215				5	P g								x	x	x		x	(1)					x
~~B-201 (5-6)~~	S	MMS	9-17-10 1245				5	P g								x	x	x		x	(2)					x

JB 9/17/10

Comments:
Metals: (1) RCP Metals
(2) SPLP Lead and total Lead
PCBs: Soxhlet extraction
Meriden Brownfields Price Quote
TA / T+B QAPP
8270 - PAHs only
B-201, B-202 are 85 Cooper - Put on Separate Report

Page 177 of 177

Sampled by (print): Meghan Schaub Signature:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	9-17-10	1515		9/17/10	1515
	9/17/10	1635		9/17/10	16:35

Cooler? (Y) / N
MADEP Requirement Samples Iced? (Y) / N
Temp @ receipt: 5.6 °C
Preservation / pH checked? (Y) N
By: JB Date: 9/17/10

ANALYTICAL REPORT

Job Number: 360-30419-1

Job Description: Meriden Brownfields

For:
Tighe & Bond
213 Court Street
Middletown, CT 06457

Attention: Jim Olsen

Approved for release.
Joe Chimi
Report Production Representative
10/8/10 9:09 AM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
10/08/2010

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. TestAmerica Westfield Certifications and Approvals: MADEP MA014, RIDOH57, CTDPH 0494, VT DECWSD, NH DES 2539, NELAP FL E87912 TOX, NELAP NJ MA008 TOX, NELAP NY 10843, NY ELAP 10843, North Carolina 647, NELAP PA 68-04386. Field sampling is performed under SOPs WE-FLD-001 and WE-FLD-002.

TestAmerica Laboratories, Inc.
TestAmerica Westfield Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085
Tel (413) 572-4000 Fax (413) 572-3707 www.testamericainc.com

Table of Contents

Cover Title Page 1
Report Narrative 3
Executive Summary 10
Method Summary 12
Method / Analyst Summary 13
Sample Summary 14
Sample Results 15
Sample Datasheets 16
Data Qualifiers 53
QC Results 54
Qc Association Summary 55
Surrogate Recovery Report 59
Qc Reports 61
Shipping and Receiving Documents 80
Sample Receipt Checklist 81
Client Chain of Custody 82

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30419-1**
Laboratory Sample ID (s):	**360-30419-(1-10)**	***Sampling Date (s):***	**9/29-9/30/10**
Method:	**SW846 8260B**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes √		No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 10/8/10 9:03

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30419-1**
Laboratory Sample ID (s):	**360-30419-(1-8)**	***Sampling Date (s):***	**9/29-9/30/10**
Method:	**SW846 8270C LL**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No √
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 10/8/10 9:03

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30419-1**
Laboratory Sample ID (s):	**360-30419-(1-8)**	***Sampling Date (s):***	**9/29-9/30/10**
Method:	**SW846 6010B**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 10/8/10 9:03

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA014
NY DOH 10843
RI DOH 57
CT DPH 0494
VT DECWSD

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NH DES 253901-A

TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30419-1**
Laboratory Sample ID (s):	**360-30419-(1-8)**	***Sampling Date (s):***	**9/29-9/30/10**
Method:	**SW846 6020**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 10/8/10 9:03

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA014
NY DOH 10843
RI DOH 57
CT DPH 0494
VT DECWSD

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NH DES 253901-A

TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

WI-QA-038

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook, CT**	***Project Number:***	**360-30419-1**
Laboratory Sample ID (s):	**360-30419-(1-8)**	***Sampling Date (s):***	**9/29-9/30/10**
Method:	**SW846 7470A**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 10/8/10 9:03

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA014
NY DOH 10843
RI DOH 57
CT DPH 0494
VT DECWSD

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NH DES 253901-A

TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

WI-QA-038

CASE NARRATIVE

Client: Tighe & Bond

Project: Meriden Brownfields

Report Number: 360-30419-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 10/01/2010; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 0.6 and 1.8 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2 C of the required temperature or method specified range. For samples with a specified temperature of 4 C, samples with a temperature ranging from just above freezing temperature of water to 6 C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Regarding questions 5a and 5b on the CT RCP certification form, the laboratory has evaluated reporting limits against the most stringent class criteria in the absence of a specified class on the chain-of-custody.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-100 (360-30419-1), MW-101 (360-30419-2), MW-102 (360-30419-3), MW-103 (360-30419-4), MW-104 (360-30419-5), DUP-1 (360-30419-6), EB-1 (360-30419-7), EB-2 (360-30419-8), TB-1 (360-30419-9) and TB-2 (360-30419-10) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 10/04/2010 and 10/05/2010.

2,2-Dichloropropane and Trichlorofluoromethane failed the recovery criteria high for LCS 360-63974/4 and LCS 360-64036/4. Refer to the QC report for details.

Trichlorofluoromethane failed the recovery criteria high for the MS of sample MW-101 (360-30419-2) in batch 360-63974. Refer to the QC report for details.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

Sample MW-104 (360-30419-5)[5X] required dilution prior to analysis due to high target concentration. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - LOW LEVEL

Samples MW-100 (360-30419-1), MW-101 (360-30419-2), MW-102 (360-30419-3), MW-103 (360-30419-4), MW-104 (360-30419-5), DUP-1 (360-30419-6), EB-1 (360-30419-7) and EB-2 (360-30419-8) were analyzed for semivolatile organic compounds (GC-MS) - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 10/04/2010 and analyzed on 10/05/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

At the request of the client, an abbreviated RCP compound list (PAH's only) was reported for this job.

No difficulties were encountered during the SVOC Low Level analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)
Samples MW-100 (360-30419-1), MW-101 (360-30419-2), MW-102 (360-30419-3), MW-103 (360-30419-4), MW-104 (360-30419-5), DUP-1 (360-30419-6), EB-1 (360-30419-7) and EB-2 (360-30419-8) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 10/04/2010 and analyzed on 10/06/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICPMS)
Samples MW-100 (360-30419-1), MW-101 (360-30419-2), MW-102 (360-30419-3), MW-103 (360-30419-4), MW-104 (360-30419-5), DUP-1 (360-30419-6), EB-1 (360-30419-7) and EB-2 (360-30419-8) were analyzed for total metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 10/04/2010 and analyzed on 10/05/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples MW-100 (360-30419-1), MW-101 (360-30419-2), MW-102 (360-30419-3), MW-103 (360-30419-4), MW-104 (360-30419-5), DUP-1 (360-30419-6), EB-1 (360-30419-7) and EB-2 (360-30419-8) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 10/04/2010.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: Tighe & Bond

Job Number: 360-30419-1

Lab Sample ID	Client Sample ID	Analyte	Result / Qualifier	Reporting Limit	Units	Method
360-30419-1	**MW-100**					
		cis-1,2-Dichloroethene	28	1.0	ug/L	8260B
		Vinyl chloride	3.6	0.50	ug/L	8260B
		trans-1,2-Dichloroethene	1.9	1.0	ug/L	8260B
		Barium	170	10	ug/L	6010B
360-30419-2	**MW-101**					
		Barium	210	10	ug/L	6010B
		Nickel	20	10	ug/L	6010B
360-30419-3	**MW-102**					
		Barium	260	10	ug/L	6010B
360-30419-4	**MW-103**					
		cis-1,2-Dichloroethene	35	1.0	ug/L	8260B
		Trichloroethene	2.6	1.0	ug/L	8260B
		Vinyl chloride	3.9	0.50	ug/L	8260B
		trans-1,2-Dichloroethene	12	1.0	ug/L	8260B
		Barium	180	10	ug/L	6010B
360-30419-5	**MW-104**					
		n-Butylbenzene	1.6	1.0	ug/L	8260B
		sec-Butylbenzene	1.6	1.0	ug/L	8260B
		cis-1,2-Dichloroethene	3.6	1.0	ug/L	8260B
		Ethylbenzene	5.1	1.0	ug/L	8260B
		Isopropylbenzene	2.5	1.0	ug/L	8260B
		4-Isopropyltoluene	120	5.0	ug/L	8260B
		Methyl tert-butyl ether	1.1	1.0	ug/L	8260B
		N-Propylbenzene	2.7	1.0	ug/L	8260B
		Tetrachloroethene	1.3	1.0	ug/L	8260B
		Trichloroethene	2.1	1.0	ug/L	8260B
		1,2,4-Trimethylbenzene	12	1.0	ug/L	8260B
		1,3,5-Trimethylbenzene	5.1	1.0	ug/L	8260B
		Vinyl chloride	1.6	0.50	ug/L	8260B
		m-Xylene & p-Xylene	25	2.0	ug/L	8260B
		o-Xylene	7.6	1.0	ug/L	8260B
		Naphthalene	3.0	0.91	ug/L	8270C LL
		2-Methylnaphthalene	3.4	0.91	ug/L	8270C LL
		Phenanthrene	1.4	0.18	ug/L	8270C LL
		Barium	200	10	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Tighe & Bond

Job Number: 360-30419-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
360-30419-6	**DUP-1**				
cis-1,2-Dichloroethene		33	1.0	ug/L	8260B
Trichloroethene		2.6	1.0	ug/L	8260B
Vinyl chloride		3.7	0.50	ug/L	8260B
trans-1,2-Dichloroethene		11	1.0	ug/L	8260B
Barium		180	10	ug/L	6010B

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 360-30419-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Purge and Trap	TAL WFD		SW846 5030B
Semivolatile Organic Compounds by GCMS - Low Levels	TAL WFD	SW846 8270C LL	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		SW846 3510C
Metals (ICP)	TAL WFD	SW846 6010B	
Preparation, Total Metals	TAL WFD		SW846 3010A
Metals (ICP/MS)	TAL WFD	SW846 6020	
Preparation, Total Metals	TAL WFD		SW846 3020A
Mercury (CVAA)	TAL WFD	SW846 7470A	
Preparation, Mercury	TAL WFD		SW846 7470A

Lab References:

TAL WFD = TestAmerica Westfield

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Tighe & Bond

Job Number: 360-30419-1

Method	Analyst	Analyst ID
SW846 8260B	Pham, Tam	TP
SW846 8270C LL	Tester, Carla	CT
SW846 6010B	Smith, Tim J	TJS
SW846 6020	Smith, Tim J	TJS
SW846 7470A	Nasiatka, Ellen M	EMN

SAMPLE SUMMARY

Client: Tighe & Bond

Job Number: 360-30419-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-30419-1	MW-100	Water	09/29/2010 1000	10/01/2010 1015
360-30419-2	MW-101	Water	09/29/2010 2206	10/01/2010 1015
360-30419-3	MW-102	Water	09/30/2010 1530	10/01/2010 1015
360-30419-4	MW-103	Water	09/29/2010 1234	10/01/2010 1015
360-30419-5	MW-104	Water	09/29/2010 1756	10/01/2010 1015
360-30419-6	DUP-1	Water	09/29/2010 1200	10/01/2010 1015
360-30419-7	EB-1	Water	09/29/2010 2300	10/01/2010 1015
360-30419-8	EB-2	Water	09/29/2010 1550	10/01/2010 1015
360-30419-9	TB-1	Water	09/29/2010 1000	10/01/2010 1015
360-30419-10	TB-2	Water	09/30/2010 1530	10/01/2010 1015

SAMPLE RESULTS

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-100**

Lab Sample ID: 360-30419-1

Client Matrix: Water

Date Sampled: 09/29/2010 1000

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10797.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1926		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1926			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-1,2-Dichloroethene	28		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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-100**

Lab Sample ID: 360-30419-1

Client Matrix: Water

Date Sampled: 09/29/2010 1000

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10797.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1926		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1926			

Analyte	Result (ug/L)	Qualifier	RL
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND	*	1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	3.6		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	1.9		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	90		70 - 130
Dibromofluoromethane	120		70 - 130
Toluene-d8 (Surr)	92		70 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-101**

Lab Sample ID: 360-30419-2

Client Matrix: Water

Date Sampled: 09/29/2010 2206

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10793.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1756		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1756			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-101**

Lab Sample ID: 360-30419-2

Client Matrix: Water

Date Sampled: 09/29/2010 2206

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10793.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1756		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1756			

Analyte	Result (ug/L)	Qualifier	RL
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND	*	1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	89		70 - 130
Dibromofluoromethane	120		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-102**

Lab Sample ID: 360-30419-3

Client Matrix: Water

Date Sampled: 09/30/2010 1530

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10794.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1819		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1819			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-102**

Lab Sample ID: 360-30419-3

Client Matrix: Water

Date Sampled: 09/30/2010 1530

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10794.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1819		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1819			

Analyte	Result (ug/L)	Qualifier	RL
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND	*	1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	89		70 - 130
Dibromofluoromethane	118		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-103**

Lab Sample ID: 360-30419-4

Client Matrix: Water

Date Sampled: 09/29/2010 1234

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10795.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1841		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1841			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-1,2-Dichloroethene	35		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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-103**

Lab Sample ID: 360-30419-4

Client Matrix: Water

Date Sampled: 09/29/2010 1234

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10795.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1841		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1841			

Analyte	Result (ug/L)	Qualifier	RL
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	2.6		1.0
Trichlorofluoromethane	ND	*	1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	3.9		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	12		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	91		70 - 130
Dibromofluoromethane	122		70 - 130
Toluene-d8 (Surr)	93		70 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-104**

Lab Sample ID: 360-30419-5

Client Matrix: Water

Date Sampled: 09/29/2010 1756

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10798.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1948		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1948			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	1.6		1.0
sec-Butylbenzene	1.6		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-1,2-Dichloroethene	3.6		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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	5.1		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	2.5		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10
Methyl tert-butyl ether	1.1		1.0
Naphthalene	ND		5.0
N-Propylbenzene	2.7		1.0
Styrene	ND		1.0

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-104**

Lab Sample ID: 360-30419-5

Client Matrix: Water

Date Sampled: 09/29/2010 1756

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10798.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1948		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1948			

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	1.3		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	2.1		1.0
Trichlorofluoromethane	ND	*	1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	12		1.0
1,3,5-Trimethylbenzene	5.1		1.0
Vinyl chloride	1.6		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		1.0
m-Xylene & p-Xylene	25		2.0
o-Xylene	7.6		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	92		70 - 130
Dibromofluoromethane	122		70 - 130
Toluene-d8 (Surr)	121		70 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-104**

Lab Sample ID: 360-30419-5

Client Matrix: Water

Date Sampled: 09/29/2010 1756

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-64036		Instrument ID:	HP #3 GC/MS
Preparation:	5030B			Lab File ID:	V10816.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Date Analyzed:	10/05/2010 1614	Run Type:	RADL	Final Weight/Volume:	5 mL
Date Prepared:	10/05/2010 1614				

Analyte	Result (ug/L)	Qualifier	RL
4-Isopropyltoluene	120		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	91		70 - 130
Dibromofluoromethane	116		70 - 130
Toluene-d8 (Surr)	107		70 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **DUP-1**

Lab Sample ID: 360-30419-6

Client Matrix: Water

Date Sampled: 09/29/2010 1200

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10796.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1903		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1903			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-1,2-Dichloroethene	33		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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **DUP-1**

Lab Sample ID: 360-30419-6

Client Matrix: Water

Date Sampled: 09/29/2010 1200

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10796.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1903		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1903			

Analyte	Result (ug/L)	Qualifier	RL
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	2.6		1.0
Trichlorofluoromethane	ND	*	1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	3.7		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	11		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	89		70 - 130
Dibromofluoromethane	119		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **EB-1**

Lab Sample ID: 360-30419-7

Client Matrix: Water

Date Sampled: 09/29/2010 2300

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10788.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1604		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1604			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **EB-1**

Lab Sample ID: 360-30419-7

Client Matrix: Water

Date Sampled: 09/29/2010 2300

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10788.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1604		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1604			

Analyte	Result (ug/L)	Qualifier	RL
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND	*	1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	91		70 - 130
Dibromofluoromethane	121		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **EB-2**

Lab Sample ID: 360-30419-8

Client Matrix: Water

Date Sampled: 09/29/2010 1550

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10789.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1626		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1626			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **EB-2**

Lab Sample ID: 360-30419-8

Client Matrix: Water

Date Sampled: 09/29/2010 1550

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10789.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1626		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1626			

Analyte	Result (ug/L)	Qualifier	RL
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND	*	1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	90		70 - 130
Dibromofluoromethane	115		70 - 130
Toluene-d8 (Surr)	96		70 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **TB-1**

Lab Sample ID: 360-30419-9

Client Matrix: Water

Date Sampled: 09/29/2010 1000

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10790.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1649		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1649			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **TB-1**

Lab Sample ID: 360-30419-9

Client Matrix: Water

Date Sampled: 09/29/2010 1000

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10790.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1649		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1649			

Analyte	Result (ug/L)	Qualifier	RL
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND	*	1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	86		70 - 130
Dibromofluoromethane	118		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **TB-2**

Lab Sample ID: 360-30419-10

Client Matrix: Water

Date Sampled: 09/30/2010 1530

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10791.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1711		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1711			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **TB-2**

Lab Sample ID: 360-30419-10

Client Matrix: Water

Date Sampled: 09/30/2010 1530

Date Received: 10/01/2010 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-63974	Instrument ID:	HP #3 GC/MS
Preparation:	5030B		Lab File ID:	V10791.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1711		Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1711			

Analyte	Result (ug/L)	Qualifier	RL
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND	*	1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	90		70 - 130
Dibromofluoromethane	117		70 - 130
Toluene-d8 (Surr)	93		70 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-100**

Lab Sample ID: 360-30419-1

Client Matrix: Water

Date Sampled: 09/29/2010 1000

Date Received: 10/01/2010 1015

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-64056		Instrument ID:	Inst. J
Preparation:	3510C	Prep Batch: 360-63961		Lab File ID:	J1088.D
Dilution:	1.0			Initial Weight/Volume:	1100 mL
Date Analyzed:	10/05/2010 1832			Final Weight/Volume:	1.0 mL
Date Prepared:	10/04/2010 1153			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		0.91
2-Methylnaphthalene	ND		0.91
Acenaphthylene	ND		0.27
Acenaphthene	ND		0.91
Fluorene	ND		0.91
Phenanthrene	ND		0.18
Anthracene	ND		0.91
Fluoranthene	ND		0.91
Benzo[a]anthracene	ND		0.27
Chrysene	ND		0.91
Benzo[b]fluoranthene	ND		0.27
Benzo[k]fluoranthene	ND		0.27
Benzo[a]pyrene	ND		0.18
Indeno[1,2,3-cd]pyrene	ND		0.45
Dibenz(a,h)anthracene	ND		0.45
Benzo[g,h,i]perylene	ND		0.45
Pyrene	ND		4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	73		30 - 130
Nitrobenzene-d5	77		30 - 130
Terphenyl-d14	47		30 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-101**

Lab Sample ID: 360-30419-2

Client Matrix: Water

Date Sampled: 09/29/2010 2206

Date Received: 10/01/2010 1015

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-64056		Instrument ID:	Inst. J
Preparation:	3510C	Prep Batch: 360-63961		Lab File ID:	J1089.D
Dilution:	1.0			Initial Weight/Volume:	1100 mL
Date Analyzed:	10/05/2010 1901			Final Weight/Volume:	1.0 mL
Date Prepared:	10/04/2010 1153			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		0.91
2-Methylnaphthalene	ND		0.91
Acenaphthylene	ND		0.27
Acenaphthene	ND		0.91
Fluorene	ND		0.91
Phenanthrene	ND		0.18
Anthracene	ND		0.91
Fluoranthene	ND		0.91
Benzo[a]anthracene	ND		0.27
Chrysene	ND		0.91
Benzo[b]fluoranthene	ND		0.27
Benzo[k]fluoranthene	ND		0.27
Benzo[a]pyrene	ND		0.18
Indeno[1,2,3-cd]pyrene	ND		0.45
Dibenz(a,h)anthracene	ND		0.45
Benzo[g,h,i]perylene	ND		0.45
Pyrene	ND		4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	63		30 - 130
Nitrobenzene-d5	74		30 - 130
Terphenyl-d14	36		30 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-102**

Lab Sample ID: 360-30419-3

Client Matrix: Water

Date Sampled: 09/30/2010 1530

Date Received: 10/01/2010 1015

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-64056		Instrument ID:	Inst. J
Preparation:	3510C	Prep Batch: 360-63961		Lab File ID:	J1090.D
Dilution:	1.0			Initial Weight/Volume:	1100 mL
Date Analyzed:	10/05/2010 1929			Final Weight/Volume:	1.0 mL
Date Prepared:	10/04/2010 1153			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		0.91
2-Methylnaphthalene	ND		0.91
Acenaphthylene	ND		0.27
Acenaphthene	ND		0.91
Fluorene	ND		0.91
Phenanthrene	ND		0.18
Anthracene	ND		0.91
Fluoranthene	ND		0.91
Benzo[a]anthracene	ND		0.27
Chrysene	ND		0.91
Benzo[b]fluoranthene	ND		0.27
Benzo[k]fluoranthene	ND		0.27
Benzo[a]pyrene	ND		0.18
Indeno[1,2,3-cd]pyrene	ND		0.45
Dibenz(a,h)anthracene	ND		0.45
Benzo[g,h,i]perylene	ND		0.45
Pyrene	ND		4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	61		30 - 130
Nitrobenzene-d5	64		30 - 130
Terphenyl-d14	40		30 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-103**

Lab Sample ID: 360-30419-4

Client Matrix: Water

Date Sampled: 09/29/2010 1234

Date Received: 10/01/2010 1015

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-64056		Instrument ID:	Inst. J
Preparation:	3510C	Prep Batch: 360-63961		Lab File ID:	J1091.D
Dilution:	1.0			Initial Weight/Volume:	1100 mL
Date Analyzed:	10/05/2010 1958			Final Weight/Volume:	1.0 mL
Date Prepared:	10/04/2010 1153			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		0.91
2-Methylnaphthalene	ND		0.91
Acenaphthylene	ND		0.27
Acenaphthene	ND		0.91
Fluorene	ND		0.91
Phenanthrene	ND		0.18
Anthracene	ND		0.91
Fluoranthene	ND		0.91
Benzo[a]anthracene	ND		0.27
Chrysene	ND		0.91
Benzo[b]fluoranthene	ND		0.27
Benzo[k]fluoranthene	ND		0.27
Benzo[a]pyrene	ND		0.18
Indeno[1,2,3-cd]pyrene	ND		0.45
Dibenz(a,h)anthracene	ND		0.45
Benzo[g,h,i]perylene	ND		0.45
Pyrene	ND		4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	62		30 - 130
Nitrobenzene-d5	68		30 - 130
Terphenyl-d14	43		30 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-104**

Lab Sample ID: 360-30419-5

Client Matrix: Water

Date Sampled: 09/29/2010 1756

Date Received: 10/01/2010 1015

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-64056		Instrument ID:	Inst. J
Preparation:	3510C	Prep Batch: 360-63961		Lab File ID:	J1092.D
Dilution:	1.0			Initial Weight/Volume:	1100 mL
Date Analyzed:	10/05/2010 2026			Final Weight/Volume:	1.0 mL
Date Prepared:	10/04/2010 1153			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	3.0		0.91
2-Methylnaphthalene	3.4		0.91
Acenaphthylene	ND		0.27
Acenaphthene	ND		0.91
Fluorene	ND		0.91
Phenanthrene	1.4		0.18
Anthracene	ND		0.91
Fluoranthene	ND		0.91
Benzo[a]anthracene	ND		0.27
Chrysene	ND		0.91
Benzo[b]fluoranthene	ND		0.27
Benzo[k]fluoranthene	ND		0.27
Benzo[a]pyrene	ND		0.18
Indeno[1,2,3-cd]pyrene	ND		0.45
Dibenz(a,h)anthracene	ND		0.45
Benzo[g,h,i]perylene	ND		0.45
Pyrene	ND		4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	68		30 - 130
Nitrobenzene-d5	63		30 - 130
Terphenyl-d14	35		30 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **DUP-1**

Lab Sample ID: 360-30419-6

Client Matrix: Water

Date Sampled: 09/29/2010 1200

Date Received: 10/01/2010 1015

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-64056		Instrument ID:	Inst. J
Preparation:	3510C	Prep Batch: 360-63961		Lab File ID:	J1093.D
Dilution:	1.0			Initial Weight/Volume:	1100 mL
Date Analyzed:	10/05/2010 2055			Final Weight/Volume:	1.0 mL
Date Prepared:	10/04/2010 1153			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		0.91
2-Methylnaphthalene	ND		0.91
Acenaphthylene	ND		0.27
Acenaphthene	ND		0.91
Fluorene	ND		0.91
Phenanthrene	ND		0.18
Anthracene	ND		0.91
Fluoranthene	ND		0.91
Benzo[a]anthracene	ND		0.27
Chrysene	ND		0.91
Benzo[b]fluoranthene	ND		0.27
Benzo[k]fluoranthene	ND		0.27
Benzo[a]pyrene	ND		0.18
Indeno[1,2,3-cd]pyrene	ND		0.45
Dibenz(a,h)anthracene	ND		0.45
Benzo[g,h,i]perylene	ND		0.45
Pyrene	ND		4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	62		30 - 130
Nitrobenzene-d5	70		30 - 130
Terphenyl-d14	46		30 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **EB-1**

Lab Sample ID: 360-30419-7

Client Matrix: Water

Date Sampled: 09/29/2010 2300

Date Received: 10/01/2010 1015

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-64056		Instrument ID:	Inst. J
Preparation:	3510C	Prep Batch: 360-63961		Lab File ID:	J1094.D
Dilution:	1.0			Initial Weight/Volume:	1100 mL
Date Analyzed:	10/05/2010 2123			Final Weight/Volume:	1.0 mL
Date Prepared:	10/04/2010 1153			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		0.91
2-Methylnaphthalene	ND		0.91
Acenaphthylene	ND		0.27
Acenaphthene	ND		0.91
Fluorene	ND		0.91
Phenanthrene	ND		0.18
Anthracene	ND		0.91
Fluoranthene	ND		0.91
Benzo[a]anthracene	ND		0.27
Chrysene	ND		0.91
Benzo[b]fluoranthene	ND		0.27
Benzo[k]fluoranthene	ND		0.27
Benzo[a]pyrene	ND		0.18
Indeno[1,2,3-cd]pyrene	ND		0.45
Dibenz(a,h)anthracene	ND		0.45
Benzo[g,h,i]perylene	ND		0.45
Pyrene	ND		4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	59		30 - 130
Nitrobenzene-d5	61		30 - 130
Terphenyl-d14	36		30 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **EB-2**

Lab Sample ID: 360-30419-8

Client Matrix: Water

Date Sampled: 09/29/2010 1550

Date Received: 10/01/2010 1015

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-64056		Instrument ID:	Inst. J
Preparation:	3510C	Prep Batch: 360-63961		Lab File ID:	J1095.D
Dilution:	1.0			Initial Weight/Volume:	1100 mL
Date Analyzed:	10/05/2010 2152			Final Weight/Volume:	1.0 mL
Date Prepared:	10/04/2010 1153			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		0.91
2-Methylnaphthalene	ND		0.91
Acenaphthylene	ND		0.27
Acenaphthene	ND		0.91
Fluorene	ND		0.91
Phenanthrene	ND		0.18
Anthracene	ND		0.91
Fluoranthene	ND		0.91
Benzo[a]anthracene	ND		0.27
Chrysene	ND		0.91
Benzo[b]fluoranthene	ND		0.27
Benzo[k]fluoranthene	ND		0.27
Benzo[a]pyrene	ND		0.18
Indeno[1,2,3-cd]pyrene	ND		0.45
Dibenz(a,h)anthracene	ND		0.45
Benzo[g,h,i]perylene	ND		0.45
Pyrene	ND		4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	60		30 - 130
Nitrobenzene-d5	61		30 - 130
Terphenyl-d14	41		30 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-100**

Lab Sample ID: 360-30419-1

Client Matrix: Water

Date Sampled: 09/29/2010 1000

Date Received: 10/01/2010 1015

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-64103		Instrument ID:	Varian ICP
Preparation:	3010A	Prep Batch: 360-63950		Lab File ID:	100610e.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/06/2010 1558			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0738				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		6.0
Arsenic	ND		10
Barium	170		10
Beryllium	ND		1.0
Cadmium	ND		1.0
Chromium	ND		5.0
Copper	ND		10
Lead	ND		5.0
Nickel	ND		10
Selenium	ND		10
Vanadium	ND		10
Zinc	ND		50
Silver	ND		5.0

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 360-64054		Instrument ID:	ICPMS
Preparation:	3020A	Prep Batch: 360-63951		Lab File ID:	100510c.rep
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/05/2010 1638			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0750				

Analyte	Result (ug/L)	Qualifier	RL
Thallium	ND		1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 360-63980		Instrument ID:	Hg Analyzer
Preparation:	7470A	Prep Batch: 360-63953		Lab File ID:	100410.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	10/04/2010 1430			Final Weight/Volume:	10 mL
Date Prepared:	10/04/2010 0808				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-101**

Lab Sample ID: 360-30419-2

Client Matrix: Water

Date Sampled: 09/29/2010 2206

Date Received: 10/01/2010 1015

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-64103		Instrument ID:	Varian ICP
Preparation:	3010A	Prep Batch: 360-63950		Lab File ID:	100610e.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/06/2010 1601			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0738				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		6.0
Arsenic	ND		10
Barium	210		10
Beryllium	ND		1.0
Cadmium	ND		1.0
Chromium	ND		5.0
Copper	ND		10
Lead	ND		5.0
Nickel	20		10
Selenium	ND		10
Vanadium	ND		10
Zinc	ND		50
Silver	ND		5.0

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 360-64054		Instrument ID:	ICPMS
Preparation:	3020A	Prep Batch: 360-63951		Lab File ID:	100510c.rep
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/05/2010 1640			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0750				

Analyte	Result (ug/L)	Qualifier	RL
Thallium	ND		1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 360-63980		Instrument ID:	Hg Analyzer
Preparation:	7470A	Prep Batch: 360-63953		Lab File ID:	100410.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	10/04/2010 1432			Final Weight/Volume:	10 mL
Date Prepared:	10/04/2010 0808				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-102**

Lab Sample ID: 360-30419-3

Client Matrix: Water

Date Sampled: 09/30/2010 1530

Date Received: 10/01/2010 1015

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-64103		Instrument ID:	Varian ICP
Preparation:	3010A	Prep Batch: 360-63950		Lab File ID:	100610e.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/06/2010 1604			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0738				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		6.0
Arsenic	ND		10
Barium	260		10
Beryllium	ND		1.0
Cadmium	ND		1.0
Chromium	ND		5.0
Copper	ND		10
Lead	ND		5.0
Nickel	ND		10
Selenium	ND		10
Vanadium	ND		10
Zinc	ND		50
Silver	ND		5.0

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 360-64054		Instrument ID:	ICPMS
Preparation:	3020A	Prep Batch: 360-63951		Lab File ID:	100510c.rep
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/05/2010 1643			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0750				

Analyte	Result (ug/L)	Qualifier	RL
Thallium	ND		1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 360-63980		Instrument ID:	Hg Analyzer
Preparation:	7470A	Prep Batch: 360-63953		Lab File ID:	100410.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	10/04/2010 1434			Final Weight/Volume:	10 mL
Date Prepared:	10/04/2010 0808				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-103**

Lab Sample ID: 360-30419-4

Client Matrix: Water

Date Sampled: 09/29/2010 1234

Date Received: 10/01/2010 1015

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-64103		Instrument ID:	Varian ICP
Preparation:	3010A	Prep Batch: 360-63950		Lab File ID:	100610e.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/06/2010 1607			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0738				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		6.0
Arsenic	ND		10
Barium	180		10
Beryllium	ND		1.0
Cadmium	ND		1.0
Chromium	ND		5.0
Copper	ND		10
Lead	ND		5.0
Nickel	ND		10
Selenium	ND		10
Vanadium	ND		10
Zinc	ND		50
Silver	ND		5.0

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 360-64054		Instrument ID:	ICPMS
Preparation:	3020A	Prep Batch: 360-63951		Lab File ID:	100510c.rep
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/05/2010 1653			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0750				

Analyte	Result (ug/L)	Qualifier	RL
Thallium	ND		1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 360-63980		Instrument ID:	Hg Analyzer
Preparation:	7470A	Prep Batch: 360-63953		Lab File ID:	100410.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	10/04/2010 1436			Final Weight/Volume:	10 mL
Date Prepared:	10/04/2010 0808				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **MW-104**

Lab Sample ID: 360-30419-5

Client Matrix: Water

Date Sampled: 09/29/2010 1756

Date Received: 10/01/2010 1015

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-64103		Instrument ID:	Varian ICP
Preparation:	3010A	Prep Batch: 360-63950		Lab File ID:	100610e.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/06/2010 1610			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0738				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		6.0
Arsenic	ND		10
Barium	200		10
Beryllium	ND		1.0
Cadmium	ND		1.0
Chromium	ND		5.0
Copper	ND		10
Lead	ND		5.0
Nickel	ND		10
Selenium	ND		10
Vanadium	ND		10
Zinc	ND		50
Silver	ND		5.0

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 360-64054		Instrument ID:	ICPMS
Preparation:	3020A	Prep Batch: 360-63951		Lab File ID:	100510c.rep
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/05/2010 1655			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0750				

Analyte	Result (ug/L)	Qualifier	RL
Thallium	ND		1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 360-63980		Instrument ID:	Hg Analyzer
Preparation:	7470A	Prep Batch: 360-63953		Lab File ID:	100410.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	10/04/2010 1438			Final Weight/Volume:	10 mL
Date Prepared:	10/04/2010 0808				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **DUP-1**

Lab Sample ID: 360-30419-6

Client Matrix: Water

Date Sampled: 09/29/2010 1200

Date Received: 10/01/2010 1015

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-64103		Instrument ID:	Varian ICP
Preparation:	3010A	Prep Batch: 360-63950		Lab File ID:	100610e.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/06/2010 1612			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0738				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		6.0
Arsenic	ND		10
Barium	180		10
Beryllium	ND		1.0
Cadmium	ND		1.0
Chromium	ND		5.0
Copper	ND		10
Lead	ND		5.0
Nickel	ND		10
Selenium	ND		10
Vanadium	ND		10
Zinc	ND		50
Silver	ND		5.0

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 360-64054		Instrument ID:	ICPMS
Preparation:	3020A	Prep Batch: 360-63951		Lab File ID:	100510c.rep
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/05/2010 1657			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0750				

Analyte	Result (ug/L)	Qualifier	RL
Thallium	ND		1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 360-63980		Instrument ID:	Hg Analyzer
Preparation:	7470A	Prep Batch: 360-63953		Lab File ID:	100410.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	10/04/2010 1440			Final Weight/Volume:	10 mL
Date Prepared:	10/04/2010 0808				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **EB-1**

Lab Sample ID: 360-30419-7

Client Matrix: Water

Date Sampled: 09/29/2010 2300

Date Received: 10/01/2010 1015

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-64103		Instrument ID:	Varian ICP
Preparation:	3010A	Prep Batch: 360-63950		Lab File ID:	100610e.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/06/2010 1615			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0738				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		6.0
Arsenic	ND		10
Barium	ND		10
Beryllium	ND		1.0
Cadmium	ND		1.0
Chromium	ND		5.0
Copper	ND		10
Lead	ND		5.0
Nickel	ND		10
Selenium	ND		10
Vanadium	ND		10
Zinc	ND		50
Silver	ND		5.0

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 360-64054		Instrument ID:	ICPMS
Preparation:	3020A	Prep Batch: 360-63951		Lab File ID:	100510c.rep
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/05/2010 1700			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0750				

Analyte	Result (ug/L)	Qualifier	RL
Thallium	ND		1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 360-63980		Instrument ID:	Hg Analyzer
Preparation:	7470A	Prep Batch: 360-63953		Lab File ID:	100410.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	10/04/2010 1441			Final Weight/Volume:	10 mL
Date Prepared:	10/04/2010 0808				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

Client: Tighe & Bond

Job Number: 360-30419-1

Client Sample ID: **EB-2**

Lab Sample ID: 360-30419-8

Client Matrix: Water

Date Sampled: 09/29/2010 1550

Date Received: 10/01/2010 1015

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-64103		Instrument ID:	Varian ICP
Preparation:	3010A	Prep Batch: 360-63950		Lab File ID:	100610e.csv
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/06/2010 1618			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0738				

Analyte	Result (ug/L)	Qualifier	RL
Antimony	ND		6.0
Arsenic	ND		10
Barium	ND		10
Beryllium	ND		1.0
Cadmium	ND		1.0
Chromium	ND		5.0
Copper	ND		10
Lead	ND		5.0
Nickel	ND		10
Selenium	ND		10
Vanadium	ND		10
Zinc	ND		50
Silver	ND		5.0

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 360-64054		Instrument ID:	ICPMS
Preparation:	3020A	Prep Batch: 360-63951		Lab File ID:	100510c.rep
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/05/2010 1702			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0750				

Analyte	Result (ug/L)	Qualifier	RL
Thallium	ND		1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 360-63980		Instrument ID:	Hg Analyzer
Preparation:	7470A	Prep Batch: 360-63953		Lab File ID:	100410.PRN
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	10/04/2010 1443			Final Weight/Volume:	10 mL
Date Prepared:	10/04/2010 0808				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

DATA REPORTING QUALIFIERS

Client: Tighe & Bond

Job Number: 360-30419-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: Tighe & Bond

Job Number: 360-30419-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:360-63974					
LCS 360-63974/4	Lab Control Sample	T	Water	8260B	
LCSD 360-63974/5	Lab Control Sample Duplicate	T	Water	8260B	
MB 360-63974/7	Method Blank	T	Water	8260B	
360-30419-1	MW-100	T	Water	8260B	
360-30419-2	MW-101	T	Water	8260B	
360-30419-2MS	Matrix Spike	T	Water	8260B	
360-30419-2MSD	Matrix Spike Duplicate	T	Water	8260B	
360-30419-3	MW-102	T	Water	8260B	
360-30419-4	MW-103	T	Water	8260B	
360-30419-5	MW-104	T	Water	8260B	
360-30419-6	DUP-1	T	Water	8260B	
360-30419-7	EB-1	T	Water	8260B	
360-30419-8	EB-2	T	Water	8260B	
360-30419-9	TB-1	T	Water	8260B	
360-30419-10	TB-2	T	Water	8260B	
Analysis Batch:360-64036					
LCS 360-64036/4	Lab Control Sample	T	Water	8260B	
LCSD 360-64036/5	Lab Control Sample Duplicate	T	Water	8260B	
MB 360-64036/7	Method Blank	T	Water	8260B	
360-30419-5RADL	MW-104	T	Water	8260B	

Report Basis

T = Total

Client: Tighe & Bond

Job Number: 360-30419-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 360-63961					
LCS 360-63961/2-A	Lab Control Sample	T	Water	3510C	
LCSD 360-63961/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 360-63961/1-A	Method Blank	T	Water	3510C	
360-30419-1	MW-100	T	Water	3510C	
360-30419-2	MW-101	T	Water	3510C	
360-30419-3	MW-102	T	Water	3510C	
360-30419-4	MW-103	T	Water	3510C	
360-30419-5	MW-104	T	Water	3510C	
360-30419-6	DUP-1	T	Water	3510C	
360-30419-7	EB-1	T	Water	3510C	
360-30419-8	EB-2	T	Water	3510C	
Analysis Batch:360-64056					
LCS 360-63961/2-A	Lab Control Sample	T	Water	8270C LL	360-63961
LCSD 360-63961/3-A	Lab Control Sample Duplicate	T	Water	8270C LL	360-63961
MB 360-63961/1-A	Method Blank	T	Water	8270C LL	360-63961
360-30419-1	MW-100	T	Water	8270C LL	360-63961
360-30419-2	MW-101	T	Water	8270C LL	360-63961
360-30419-3	MW-102	T	Water	8270C LL	360-63961
360-30419-4	MW-103	T	Water	8270C LL	360-63961
360-30419-5	MW-104	T	Water	8270C LL	360-63961
360-30419-6	DUP-1	T	Water	8270C LL	360-63961
360-30419-7	EB-1	T	Water	8270C LL	360-63961
360-30419-8	EB-2	T	Water	8270C LL	360-63961

Report Basis

T = Total

Client: Tighe & Bond

Job Number: 360-30419-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-63950					
LCS 360-63950/2-A	Lab Control Sample	T	Water	3010A	
LCSD 360-63950/3-A	Lab Control Sample Duplicate	T	Water	3010A	
MB 360-63950/1-A	Method Blank	T	Water	3010A	
360-30419-1	MW-100	T	Water	3010A	
360-30419-2	MW-101	T	Water	3010A	
360-30419-3	MW-102	T	Water	3010A	
360-30419-4	MW-103	T	Water	3010A	
360-30419-5	MW-104	T	Water	3010A	
360-30419-6	DUP-1	T	Water	3010A	
360-30419-7	EB-1	T	Water	3010A	
360-30419-8	EB-2	T	Water	3010A	
Prep Batch: 360-63951					
LCS 360-63951/2-A	Lab Control Sample	T	Water	3020A	
LCSD 360-63951/3-A	Lab Control Sample Duplicate	T	Water	3020A	
MB 360-63951/1-A	Method Blank	T	Water	3020A	
360-30419-1	MW-100	T	Water	3020A	
360-30419-2	MW-101	T	Water	3020A	
360-30419-3	MW-102	T	Water	3020A	
360-30419-4	MW-103	T	Water	3020A	
360-30419-5	MW-104	T	Water	3020A	
360-30419-6	DUP-1	T	Water	3020A	
360-30419-7	EB-1	T	Water	3020A	
360-30419-8	EB-2	T	Water	3020A	
Prep Batch: 360-63953					
LCS 360-63953/2-A	Lab Control Sample	T	Water	7470A	
LCSD 360-63953/3-A	Lab Control Sample Duplicate	T	Water	7470A	
MB 360-63953/1-A	Method Blank	T	Water	7470A	
360-30419-1	MW-100	T	Water	7470A	
360-30419-2	MW-101	T	Water	7470A	
360-30419-3	MW-102	T	Water	7470A	
360-30419-4	MW-103	T	Water	7470A	
360-30419-5	MW-104	T	Water	7470A	
360-30419-6	DUP-1	T	Water	7470A	
360-30419-7	EB-1	T	Water	7470A	
360-30419-8	EB-2	T	Water	7470A	

Client: Tighe & Bond

Job Number: 360-30419-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:360-63980					
LCS 360-63953/2-A	Lab Control Sample	T	Water	7470A	360-63953
LCSD 360-63953/3-A	Lab Control Sample Duplicate	T	Water	7470A	360-63953
MB 360-63953/1-A	Method Blank	T	Water	7470A	360-63953
360-30419-1	MW-100	T	Water	7470A	360-63953
360-30419-2	MW-101	T	Water	7470A	360-63953
360-30419-3	MW-102	T	Water	7470A	360-63953
360-30419-4	MW-103	T	Water	7470A	360-63953
360-30419-5	MW-104	T	Water	7470A	360-63953
360-30419-6	DUP-1	T	Water	7470A	360-63953
360-30419-7	EB-1	T	Water	7470A	360-63953
360-30419-8	EB-2	T	Water	7470A	360-63953
Analysis Batch:360-64054					
LCS 360-63951/2-A	Lab Control Sample	T	Water	6020	360-63951
LCSD 360-63951/3-A	Lab Control Sample Duplicate	T	Water	6020	360-63951
MB 360-63951/1-A	Method Blank	T	Water	6020	360-63951
360-30419-1	MW-100	T	Water	6020	360-63951
360-30419-2	MW-101	T	Water	6020	360-63951
360-30419-3	MW-102	T	Water	6020	360-63951
360-30419-4	MW-103	T	Water	6020	360-63951
360-30419-5	MW-104	T	Water	6020	360-63951
360-30419-6	DUP-1	T	Water	6020	360-63951
360-30419-7	EB-1	T	Water	6020	360-63951
360-30419-8	EB-2	T	Water	6020	360-63951
Analysis Batch:360-64103					
LCS 360-63950/2-A	Lab Control Sample	T	Water	6010B	360-63950
LCSD 360-63950/3-A	Lab Control Sample Duplicate	T	Water	6010B	360-63950
MB 360-63950/1-A	Method Blank	T	Water	6010B	360-63950
360-30419-1	MW-100	T	Water	6010B	360-63950
360-30419-2	MW-101	T	Water	6010B	360-63950
360-30419-3	MW-102	T	Water	6010B	360-63950
360-30419-4	MW-103	T	Water	6010B	360-63950
360-30419-5	MW-104	T	Water	6010B	360-63950
360-30419-6	DUP-1	T	Water	6010B	360-63950
360-30419-7	EB-1	T	Water	6010B	360-63950
360-30419-8	EB-2	T	Water	6010B	360-63950

Report Basis

T = Total

Client: Tighe & Bond

Job Number: 360-30419-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
360-30419-1	MW-100	90	120	92
360-30419-2	MW-101	89	120	96
360-30419-3	MW-102	89	118	97
360-30419-4	MW-103	91	122	93
360-30419-5	MW-104	92	122	121
360-30419-5 RADL	MW-104 RADL	91	116	107
360-30419-6	DUP-1	89	119	94
360-30419-7	EB-1	91	121	97
360-30419-8	EB-2	90	115	96
360-30419-9	TB-1	86	118	94
360-30419-10	TB-2	90	117	93
MB 360-63974/7		88	111	94
MB 360-64036/7		88	110	95
LCS 360-63974/4		98	108	98
LCS 360-64036/4		95	106	100
LCSD 360-63974/5		95	104	99
LCSD 360-64036/5		95	103	100
360-30419-2 MS	MW-101 MS	97	111	100
360-30419-2 MSD	MW-101 MSD	97	109	96

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130

Client: Tighe & Bond

Job Number: 360-30419-1

Surrogate Recovery Report

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	NBZ %Rec	TPH %Rec
360-30419-1	MW-100	73	77	47
360-30419-2	MW-101	63	74	36
360-30419-3	MW-102	61	64	40
360-30419-4	MW-103	62	68	43
360-30419-5	MW-104	68	63	35
360-30419-6	DUP-1	62	70	46
360-30419-7	EB-1	59	61	36
360-30419-8	EB-2	60	61	41
MB 360-63961/1-A		64	59	54
LCS 360-63961/2-A		68	52	52
LCSD 360-63961/3-A		75	52	58

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	30-130
NBZ = Nitrobenzene-d5	30-130
TPH = Terphenyl-d14	30-130

Client: Tighe & Bond

Job Number: 360-30419-1

Method Blank - Batch: 360-63974

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 360-63974/7	Analysis Batch:	360-63974	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10787.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1501			Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1501				

Analyte	Result	Qual	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10

Client: Tighe & Bond

Job Number: 360-30419-1

Method Blank - Batch: 360-63974

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 360-63974/7	Analysis Batch:	360-63974	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10787.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1501			Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1501				

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	88	70 - 130
Dibromofluoromethane	111	70 - 130
Toluene-d8 (Surr)	94	70 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63974

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-63974/4	Analysis Batch:	360-63974	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10784.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1354			Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1354				

LCSD Lab Sample ID:	LCSD 360-63974/5	Analysis Batch:	360-63974	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10785.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1416			Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1416				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	93	94	70 - 130	1	25		
Acrylonitrile	96	95	70 - 130	1	25		
Benzene	103	102	70 - 130	1	25		
Bromobenzene	105	100	70 - 130	5	25		
n-Butylbenzene	95	93	70 - 130	2	25		
sec-Butylbenzene	108	98	70 - 130	10	25		
tert-Butylbenzene	101	94	70 - 130	7	25		
Dichlorobromomethane	111	108	70 - 130	3	25		
Bromoform	94	96	70 - 130	2	25		
Bromomethane	117	113	70 - 130	3	25		
2-Butanone (MEK)	84	83	70 - 130	1	25		
Carbon disulfide	116	104	70 - 130	10	25		
Carbon tetrachloride	116	112	70 - 130	4	25		
Chlorobenzene	104	102	70 - 130	2	25		
Chloroethane	125	112	70 - 130	11	25		
Chloroform	109	104	70 - 130	4	25		
Chloromethane	122	115	70 - 130	5	25		
2-Chlorotoluene	107	102	70 - 130	5	25		
4-Chlorotoluene	103	98	70 - 130	5	25		
Chlorodibromomethane	106	110	70 - 130	4	25		
1,2-Dibromo-3-Chloropropane	83	80	70 - 130	3	25		
Dibromomethane	103	103	70 - 130	0	25		
1,2-Dichlorobenzene	102	99	70 - 130	2	25		
1,3-Dichlorobenzene	118	109	70 - 130	8	25		
1,4-Dichlorobenzene	103	99	70 - 130	4	25		
Dichlorodifluoromethane	128	114	70 - 130	11	25		
1,1-Dichloroethene	112	101	70 - 130	11	25		
1,1-Dichloroethane	108	101	70 - 130	6	25		
1,2-Dichloroethane	108	105	70 - 130	4	25		
cis-1,2-Dichloroethene	105	98	70 - 130	7	25		
1,2-Dichloropropane	99	97	70 - 130	2	25		
1,3-Dichloropropane	99	105	70 - 130	6	25		
2,2-Dichloropropane	138	126	70 - 130	9	25	*	

Client: Tighe & Bond

Job Number: 360-30419-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63974

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-63974/4	Analysis Batch:	360-63974	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10784.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1354			Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1354				

LCSD Lab Sample ID:	LCSD 360-63974/5	Analysis Batch:	360-63974	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10785.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1416			Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1416				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloropropene	106	99	70 - 130	6	25		
cis-1,3-Dichloropropene	102	103	70 - 130	1	25		
trans-1,3-Dichloropropene	107	108	70 - 130	1	25		
Ethylbenzene	102	100	70 - 130	2	25		
Hexachlorobutadiene	117	115	70 - 130	2	25		
2-Hexanone	93	94	70 - 130	1	25		
Isopropylbenzene	98	91	70 - 130	8	25		
4-Isopropyltoluene	98	97	70 - 130	2	25		
Methylene Chloride	111	105	70 - 130	5	25		
4-Methyl-2-pentanone (MIBK)	96	97	70 - 130	1	25		
Methyl tert-butyl ether	105	103	70 - 130	2	25		
Naphthalene	85	83	70 - 130	3	25		
N-Propylbenzene	102	96	70 - 130	7	25		
Styrene	95	92	70 - 130	3	25		
1,1,1,2-Tetrachloroethane	110	105	70 - 130	5	25		
1,1,2,2-Tetrachloroethane	91	91	70 - 130	0	25		
Tetrachloroethene	113	110	70 - 130	3	25		
Tetrahydrofuran	109	109	70 - 130	1	25		
Toluene	101	98	70 - 130	3	25		
1,2,3-Trichlorobenzene	105	105	70 - 130	0	25		
1,2,4-Trichlorobenzene	108	107	70 - 130	1	25		
1,1,1-Trichloroethane	115	109	70 - 130	6	25		
1,1,2-Trichloroethane	99	102	70 - 130	3	25		
Trichloroethene	106	99	70 - 130	7	25		
Trichlorofluoromethane	131	120	70 - 130	9	25	*	
1,2,3-Trichloropropane	107	102	70 - 130	5	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	108	98	70 - 130	10	25		
1,2,4-Trimethylbenzene	98	96	70 - 130	2	25		
1,3,5-Trimethylbenzene	105	96	70 - 130	9	25		
Vinyl chloride	108	100	70 - 130	8	25		
Ethylene Dibromide	100	99	70 - 130	1	25		
trans-1,4-Dichloro-2-butene	95	89	70 - 130	7	25		
trans-1,2-Dichloroethene	101	95	70 - 130	6	25		

Client: Tighe & Bond

Job Number: 360-30419-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63974

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-63974/4	Analysis Batch:	360-63974	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10784.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1354			Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1354				

LCSD Lab Sample ID:	LCSD 360-63974/5	Analysis Batch:	360-63974	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10785.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 1416			Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 1416				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
m-Xylene & p-Xylene	96	94	70 - 130	2	25		
o-Xylene	92	91	70 - 130	1	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	98	95	70 - 130
Dibromofluoromethane	108	104	70 - 130
Toluene-d8 (Surr)	98	99	70 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-63974

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	360-30419-2	Analysis Batch:	360-63974	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10807.D
Dilution:	10			Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 2308			Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 2308				

MSD Lab Sample ID:	360-30419-2	Analysis Batch:	360-63974	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10808.D
Dilution:	10			Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 2331			Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 2331				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acetone	86	90	70 - 130	4	30		
Acrylonitrile	100	95	70 - 130	5	30		
Benzene	104	102	70 - 130	3	30		
Bromobenzene	104	103	70 - 130	1	30		
n-Butylbenzene	86	86	70 - 130	0	30		
sec-Butylbenzene	99	100	70 - 130	1	30		
tert-Butylbenzene	99	96	70 - 130	4	30		
Dichlorobromomethane	113	108	70 - 130	4	30		
Bromoform	78	83	70 - 130	6	30		
Bromomethane	119	111	70 - 130	7	30		
2-Butanone (MEK)	85	80	70 - 130	6	30		
Carbon disulfide	113	104	70 - 130	8	30		
Carbon tetrachloride	121	114	70 - 130	5	30		
Chlorobenzene	102	99	70 - 130	2	30		
Chloroethane	127	110	70 - 130	14	30		
Chloroform	113	108	70 - 130	4	30		
Chloromethane	124	113	70 - 130	9	30		
2-Chlorotoluene	108	103	70 - 130	4	30		
4-Chlorotoluene	104	102	70 - 130	1	30		
Chlorodibromomethane	101	100	70 - 130	1	30		
1,2-Dibromo-3-Chloropropane	76	82	70 - 130	8	30		
Dibromomethane	112	108	70 - 130	4	30		
1,2-Dichlorobenzene	99	100	70 - 130	1	30		
1,3-Dichlorobenzene	112	110	70 - 130	2	30		
1,4-Dichlorobenzene	99	101	70 - 130	1	30		
Dichlorodifluoromethane	128	124	70 - 130	3	30		
1,1-Dichloroethene	112	104	70 - 130	7	30		
1,1-Dichloroethane	110	102	70 - 130	8	30		
1,2-Dichloroethane	113	109	70 - 130	4	30		
cis-1,2-Dichloroethene	105	104	70 - 130	1	30		

Client: Tighe & Bond

Job Number: 360-30419-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-63974

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	360-30419-2	Analysis Batch:	360-63974	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10807.D
Dilution:	10			Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 2308			Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 2308				

MSD Lab Sample ID:	360-30419-2	Analysis Batch:	360-63974	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10808.D
Dilution:	10			Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 2331			Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 2331				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2-Dichloropropane	106	101	70 - 130	5	30		
1,3-Dichloropropane	104	104	70 - 130	1	30		
2,2-Dichloropropane	127	119	70 - 130	7	30		
1,1-Dichloropropene	110	102	70 - 130	7	30		
cis-1,3-Dichloropropene	93	87	70 - 130	6	30		
trans-1,3-Dichloropropene	105	101	70 - 130	4	30		
Ethylbenzene	102	96	70 - 130	6	30		
Hexachlorobutadiene	102	100	70 - 130	3	30		
2-Hexanone	94	93	70 - 130	1	30		
Isopropylbenzene	97	92	70 - 130	6	30		
4-Isopropyltoluene	98	96	70 - 130	2	30		
Methylene Chloride	110	111	70 - 130	1	30		
4-Methyl-2-pentanone (MIBK)	104	100	70 - 130	5	30		
Methyl tert-butyl ether	106	108	70 - 130	2	30		
Naphthalene	78	87	70 - 130	10	30		
N-Propylbenzene	98	96	70 - 130	3	30		
Styrene	96	93	70 - 130	3	30		
1,1,1,2-Tetrachloroethane	106	110	70 - 130	4	30		
1,1,2,2-Tetrachloroethane	92	97	70 - 130	4	30		
Tetrachloroethene	117	105	70 - 130	11	30		
Tetrahydrofuran	113	108	70 - 130	5	30		
Toluene	102	96	70 - 130	6	30		
1,2,3-Trichlorobenzene	97	106	70 - 130	9	30		
1,2,4-Trichlorobenzene	96	106	70 - 130	9	30		
1,1,1-Trichloroethane	119	112	70 - 130	6	30		
1,1,2-Trichloroethane	108	105	70 - 130	3	30		
Trichloroethene	106	96	70 - 130	10	30		
Trichlorofluoromethane	137	129	70 - 130	6	30	F	
1,2,3-Trichloropropane	109	118	70 - 130	7	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	108	103	70 - 130	5	30		

Client: Tighe & Bond

Job Number: 360-30419-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-63974

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	360-30419-2	Analysis Batch:	360-63974	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10807.D
Dilution:	10			Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 2308			Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 2308				

MSD Lab Sample ID:	360-30419-2	Analysis Batch:	360-63974	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10808.D
Dilution:	10			Initial Weight/Volume:	5 mL
Date Analyzed:	10/04/2010 2331			Final Weight/Volume:	5 mL
Date Prepared:	10/04/2010 2331				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2,4-Trimethylbenzene	96	95	70 - 130	1	30		
1,3,5-Trimethylbenzene	100	95	70 - 130	6	30		
Vinyl chloride	115	108	70 - 130	6	30		
Ethylene Dibromide	104	101	70 - 130	3	30		
trans-1,4-Dichloro-2-butene	99	97	70 - 130	1	30		
trans-1,2-Dichloroethene	105	97	70 - 130	8	30		
m-Xylene & p-Xylene	100	94	70 - 130	6	30		
o-Xylene	91	87	70 - 130	5	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	97	97	70 - 130
Dibromofluoromethane	111	109	70 - 130
Toluene-d8 (Surr)	100	96	70 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Method Blank - Batch: 360-64036

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 360-64036/7	Analysis Batch:	360-64036	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10815.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	10/05/2010 1551			Final Weight/Volume:	5 mL
Date Prepared:	10/05/2010 1551				

Analyte	Result	Qual	RL
Acetone	ND		50
Acrylonitrile	ND		10
Benzene	ND		1.0
Bromobenzene	ND		1.0
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Dichlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		2.0
2-Butanone (MEK)	ND		10
Carbon disulfide	ND		10
Carbon tetrachloride	ND		1.0
Chlorobenzene	ND		1.0
Chloroethane	ND		2.0
Chloroform	ND		1.0
Chloromethane	ND		2.0
2-Chlorotoluene	ND		1.0
4-Chlorotoluene	ND		1.0
Chlorodibromomethane	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		1.0
1,2-Dichlorobenzene	ND		1.0
1,3-Dichlorobenzene	ND		1.0
1,4-Dichlorobenzene	ND		1.0
Dichlorodifluoromethane	ND		1.0
1,1-Dichloroethene	ND		1.0
1,1-Dichloroethane	ND		1.0
1,2-Dichloroethane	ND		1.0
cis-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		0.40
trans-1,3-Dichloropropene	ND		0.40
Ethylbenzene	ND		1.0
Hexachlorobutadiene	ND		0.40
2-Hexanone	ND		10
Isopropylbenzene	ND		1.0
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		2.0
4-Methyl-2-pentanone (MIBK)	ND		10

Client: Tighe & Bond

Job Number: 360-30419-1

Method Blank - Batch: 360-64036

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 360-64036/7	Analysis Batch:	360-64036	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10815.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	10/05/2010 1551			Final Weight/Volume:	5 mL
Date Prepared:	10/05/2010 1551				

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		1.0
Naphthalene	ND		5.0
N-Propylbenzene	ND		1.0
Styrene	ND		1.0
1,1,1,2-Tetrachloroethane	ND		1.0
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		1.0
Tetrahydrofuran	ND		10
Toluene	ND		1.0
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		1.0
1,1,2-Trichloroethane	ND		1.0
Trichloroethene	ND		1.0
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0
1,2,4-Trimethylbenzene	ND		1.0
1,3,5-Trimethylbenzene	ND		1.0
Vinyl chloride	ND		0.50
Ethylene Dibromide	ND		1.0
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		1.0
m-Xylene & p-Xylene	ND		2.0
o-Xylene	ND		1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	88	70 - 130
Dibromofluoromethane	110	70 - 130
Toluene-d8 (Surr)	95	70 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-64036

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-64036/4	Analysis Batch:	360-64036	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10812.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	10/05/2010 1443			Final Weight/Volume:	5 mL
Date Prepared:	10/05/2010 1443				

LCSD Lab Sample ID:	LCSD 360-64036/5	Analysis Batch:	360-64036	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10813.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	10/05/2010 1506			Final Weight/Volume:	5 mL
Date Prepared:	10/05/2010 1506				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	98	97	70 - 130	2	25		
Acrylonitrile	99	96	70 - 130	3	25		
Benzene	107	104	70 - 130	3	25		
Bromobenzene	106	101	70 - 130	5	25		
n-Butylbenzene	97	97	70 - 130	1	25		
sec-Butylbenzene	107	103	70 - 130	4	25		
tert-Butylbenzene	101	99	70 - 130	3	25		
Dichlorobromomethane	116	114	70 - 130	2	25		
Bromoform	100	96	70 - 130	4	25		
Bromomethane	120	125	70 - 130	5	25		
2-Butanone (MEK)	88	83	70 - 130	5	25		
Carbon disulfide	116	114	70 - 130	2	25		
Carbon tetrachloride	117	120	70 - 130	2	25		
Chlorobenzene	106	102	70 - 130	3	25		
Chloroethane	124	129	70 - 130	4	25		
Chloroform	111	110	70 - 130	1	25		
Chloromethane	125	125	70 - 130	0	25		
2-Chlorotoluene	109	109	70 - 130	0	25		
4-Chlorotoluene	105	102	70 - 130	3	25		
Chlorodibromomethane	110	109	70 - 130	0	25		
1,2-Dibromo-3-Chloropropane	86	80	70 - 130	8	25		
Dibromomethane	108	109	70 - 130	1	25		
1,2-Dichlorobenzene	106	101	70 - 130	5	25		
1,3-Dichlorobenzene	114	114	70 - 130	0	25		
1,4-Dichlorobenzene	106	104	70 - 130	2	25		
Dichlorodifluoromethane	124	125	70 - 130	1	25		
1,1-Dichloroethene	112	111	70 - 130	1	25		
1,1-Dichloroethane	109	105	70 - 130	4	25		
1,2-Dichloroethane	112	112	70 - 130	0	25		
cis-1,2-Dichloroethene	106	104	70 - 130	2	25		
1,2-Dichloropropane	104	103	70 - 130	1	25		
1,3-Dichloropropane	103	103	70 - 130	0	25		
2,2-Dichloropropane	141	144	70 - 130	2	25	*	

Client: Tighe & Bond

Job Number: 360-30419-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-64036

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-64036/4	Analysis Batch:	360-64036	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10812.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	10/05/2010 1443			Final Weight/Volume:	5 mL
Date Prepared:	10/05/2010 1443				

LCSD Lab Sample ID:	LCSD 360-64036/5	Analysis Batch:	360-64036	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10813.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	10/05/2010 1506			Final Weight/Volume:	5 mL
Date Prepared:	10/05/2010 1506				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1-Dichloropropene	113	108	70 - 130	4	25		
cis-1,3-Dichloropropene	111	108	70 - 130	3	25		
trans-1,3-Dichloropropene	114	110	70 - 130	3	25		
Ethylbenzene	105	101	70 - 130	4	25		
Hexachlorobutadiene	125	115	70 - 130	8	25		
2-Hexanone	95	93	70 - 130	2	25		
Isopropylbenzene	100	95	70 - 130	5	25		
4-Isopropyltoluene	104	104	70 - 130	0	25		
Methylene Chloride	110	113	70 - 130	3	25		
4-Methyl-2-pentanone (MIBK)	102	97	70 - 130	4	25		
Methyl tert-butyl ether	109	107	70 - 130	2	25		
Naphthalene	87	86	70 - 130	1	25		
N-Propylbenzene	105	101	70 - 130	4	25		
Styrene	101	96	70 - 130	6	25		
1,1,1,2-Tetrachloroethane	112	105	70 - 130	6	25		
1,1,2,2-Tetrachloroethane	94	91	70 - 130	3	25		
Tetrachloroethene	119	114	70 - 130	5	25		
Tetrahydrofuran	113	111	70 - 130	2	25		
Toluene	105	102	70 - 130	3	25		
1,2,3-Trichlorobenzene	110	104	70 - 130	5	25		
1,2,4-Trichlorobenzene	113	110	70 - 130	3	25		
1,1,1-Trichloroethane	120	116	70 - 130	4	25		
1,1,2-Trichloroethane	106	102	70 - 130	3	25		
Trichloroethene	107	107	70 - 130	0	25		
Trichlorofluoromethane	136	134	70 - 130	1	25	*	
1,2,3-Trichloropropane	93	108	70 - 130	15	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	116	110	70 - 130	5	25		
1,2,4-Trimethylbenzene	100	97	70 - 130	3	25		
1,3,5-Trimethylbenzene	102	100	70 - 130	1	25		
Vinyl chloride	113	110	70 - 130	3	25		
Ethylene Dibromide	103	104	70 - 130	1	25		
trans-1,4-Dichloro-2-butene	99	92	70 - 130	7	25		
trans-1,2-Dichloroethene	104	104	70 - 130	0	25		

Client: Tighe & Bond

Job Number: 360-30419-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-64036

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-64036/4	Analysis Batch:	360-64036	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10812.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	10/05/2010 1443			Final Weight/Volume:	5 mL
Date Prepared:	10/05/2010 1443				

LCSD Lab Sample ID:	LCSD 360-64036/5	Analysis Batch:	360-64036	Instrument ID:	HP #3 GC/MS
Client Matrix:	Water	Prep Batch: N/A		Lab File ID:	V10813.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	10/05/2010 1506			Final Weight/Volume:	5 mL
Date Prepared:	10/05/2010 1506				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
m-Xylene & p-Xylene	102	99	70 - 130	3	25		
o-Xylene	94	88	70 - 130	6	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	95	95	70 - 130
Dibromofluoromethane	106	103	70 - 130
Toluene-d8 (Surr)	100	100	70 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Method Blank - Batch: 360-63961

Method: 8270C LL
Preparation: 3510C

Lab Sample ID:	MB 360-63961/1-A	Analysis Batch:	360-64056	Instrument ID:	Inst. J
Client Matrix:	Water	Prep Batch:	360-63961	Lab File ID:	J1085.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	10/05/2010 1706			Final Weight/Volume:	1.0 mL
Date Prepared:	10/04/2010 1153			Injection Volume:	1 uL

Analyte	Result	Qual	RL
Naphthalene	ND		1.0
2-Methylnaphthalene	ND		1.0
Acenaphthylene	ND		0.30
Acenaphthene	ND		1.0
Fluorene	ND		1.0
Phenanthrene	ND		0.20
Anthracene	ND		1.0
Fluoranthene	ND		1.0
Benzo[a]anthracene	ND		0.30
Chrysene	ND		1.0
Benzo[b]fluoranthene	ND		0.30
Benzo[k]fluoranthene	ND		0.30
Benzo[a]pyrene	ND		0.20
Indeno[1,2,3-cd]pyrene	ND		0.50
Dibenz(a,h)anthracene	ND		0.50
Benzo[g,h,i]perylene	ND		0.50
Pyrene	ND		5.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	64	30 - 130
Nitrobenzene-d5	59	30 - 130
Terphenyl-d14	54	30 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63961

Method: 8270C LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-63961/2-A	Analysis Batch:	360-64056	Instrument ID:	Inst. J
Client Matrix:	Water	Prep Batch:	360-63961	Lab File ID:	J1086.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	10/05/2010 1735			Final Weight/Volume:	1.0 mL
Date Prepared:	10/04/2010 1153			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 360-63961/3-A	Analysis Batch:	360-64056	Instrument ID:	Inst. J
Client Matrix:	Water	Prep Batch:	360-63961	Lab File ID:	J1087.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	10/05/2010 1803			Final Weight/Volume:	1.0 mL
Date Prepared:	10/04/2010 1153			Injection Volume:	1 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Naphthalene	74	78	40 - 140	6	20		
2-Methylnaphthalene	65	73	40 - 140	11	20		
Acenaphthylene	63	72	40 - 140	13	20		
Acenaphthene	68	76	40 - 140	11	20		
Fluorene	74	81	40 - 140	10	20		
Phenanthrene	72	79	40 - 140	10	20		
Anthracene	74	79	40 - 140	7	20		
Fluoranthene	74	83	40 - 140	12	20		
Benzo[a]anthracene	71	81	40 - 140	12	20		
Chrysene	67	76	40 - 140	12	20		
Benzo[b]fluoranthene	72	84	40 - 140	15	20		
Benzo[k]fluoranthene	70	71	40 - 140	2	20		
Benzo[a]pyrene	70	76	40 - 140	8	20		
Indeno[1,2,3-cd]pyrene	78	84	40 - 140	7	20		
Dibenz(a,h)anthracene	78	86	40 - 140	9	20		
Benzo[g,h,i]perylene	79	87	40 - 140	9	20		
Pyrene	60	70	40 - 140	16	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorobiphenyl	68	75	30 - 130
Nitrobenzene-d5	52	52	30 - 130
Terphenyl-d14	52	58	30 - 130

Client: Tighe & Bond

Job Number: 360-30419-1

Method Blank - Batch: 360-63950

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 360-63950/1-A	Analysis Batch:	360-64103	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-63950	Lab File ID:	100610e.csv
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	10/06/2010 1529			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0738				

Analyte	Result	Qual	RL
Antimony	ND		6.0
Arsenic	ND		10
Barium	ND		10
Beryllium	ND		1.0
Cadmium	ND		1.0
Chromium	ND		5.0
Copper	ND		10
Lead	ND		5.0
Nickel	ND		10
Selenium	ND		10
Vanadium	ND		10
Zinc	ND		50
Silver	ND		5.0

Client: Tighe & Bond

Job Number: 360-30419-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63950

Method: 6010B
Preparation: 3010A

LCS Lab Sample ID:	LCS 360-63950/2-A	Analysis Batch:	360-64103	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-63950	Lab File ID:	100610e.csv
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	10/06/2010 1532			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0738				

LCSD Lab Sample ID:	LCSD 360-63950/3-A	Analysis Batch:	360-64103	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-63950	Lab File ID:	100610e.csv
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	10/06/2010 1535			Final Weight/Volume:	50 mL
Date Prepared:	10/04/2010 0738				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Antimony	100	99	80 - 120	2	20		
Arsenic	107	105	80 - 120	2	20		
Barium	111	108	80 - 120	2	20		
Beryllium	106	104	80 - 120	2	20		
Cadmium	105	103	80 - 120	2	20		
Chromium	108	106	80 - 120	2	20		
Copper	110	109	80 - 120	1	20		
Lead	106	104	80 - 120	2	20		
Nickel	106	104	80 - 120	2	20		
Selenium	107	105	80 - 120	2	20		
Vanadium	109	107	80 - 120	2	20		
Zinc	103	101	80 - 120	2	20		
Silver	107	105	80 - 120	2	20		

Client: Tighe & Bond

Job Number: 360-30419-1

Method Blank - Batch: 360-63951

Method: 6020
Preparation: 3020A

Lab Sample ID: MB 360-63951/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/05/2010 1602
Date Prepared: 10/04/2010 0750

Analysis Batch: 360-64054
Prep Batch: 360-63951
Units: ug/L

Instrument ID: ICPMS
Lab File ID: 100510c.rep
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Thallium	ND		1.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63951

Method: 6020
Preparation: 3020A

LCS Lab Sample ID: LCS 360-63951/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/05/2010 1604
Date Prepared: 10/04/2010 0750

Analysis Batch: 360-64054
Prep Batch: 360-63951
Units: ug/L

Instrument ID: ICPMS
Lab File ID: 100510c.rep
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 360-63951/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/05/2010 1607
Date Prepared: 10/04/2010 0750

Analysis Batch: 360-64054
Prep Batch: 360-63951
Units: ug/L

Instrument ID: ICPMS
Lab File ID: 100510c.rep
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Thallium	98	100	80 - 120	2	20		

Client: Tighe & Bond

Job Number: 360-30419-1

Method Blank - Batch: 360-63953

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 360-63953/1-A	Analysis Batch:	360-63980	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-63953	Lab File ID:	100410.PRN
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	10/04/2010 1410			Final Weight/Volume:	10 mL
Date Prepared:	10/04/2010 0808				

Analyte	Result	Qual	RL
Mercury	ND		0.20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-63953

Method: 7470A
Preparation: 7470A

LCS Lab Sample ID:	LCS 360-63953/2-A	Analysis Batch:	360-63980	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-63953	Lab File ID:	100410.PRN
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	10/04/2010 1412			Final Weight/Volume:	10 mL
Date Prepared:	10/04/2010 0808				

LCSD Lab Sample ID:	LCSD 360-63953/3-A	Analysis Batch:	360-63980	Instrument ID:	Hg Analyzer
Client Matrix:	Water	Prep Batch:	360-63953	Lab File ID:	100410.PRN
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	10 mL
Date Analyzed:	10/04/2010 1414			Final Weight/Volume:	10 mL
Date Prepared:	10/04/2010 0808				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	105	103	80 - 120	2	20		

State Accreditation Matrix

Method Name	Description	State where Primary Accreditation is Carried				
		New Hampshire (NELAC) prim.	Mass	Conn	Florida (NELAC)	North Carolina
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)	NP			NP	
SM 4500 Cl F	Chlorine, Residual		NP			
SM 9215E	Heterotrophic Plate Count (SimPlate)		P			
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP			
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P			
SM 9224	Coliforms, Total, and E.Coli (Enumeration)		P			
1103.1	E.coli		ambient/ source			
Enterolert	Enterococcus					
200.8 Rev 5.4	Metals (ICP/MS) (list upon request)	NP/P	NP/P	NP/P		
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	NP/P		
6010B	Metals (ICP)(list upon request)	NP/SW		NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	NP/P		
7470A	Mercury (CVAA)	NP		NP		
7471A	Mercury (CVAA)	SW		SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	NP/P		
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		NP/P		
3010A	Preparation, Total Metals	NP/P		NP/P		
3020A	Preparation, Total Metals	NP/P/SW		NP/P/SW		
3050B	Preparation, Metals	SW		SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)	P	P	P		
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	NP		
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP		NP		
3546	Microwave Extraction	SW				
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		NP		
3540C	Soxhlet Extraction	SW				
3550B	Ultrasonic Extraction	SW		SW		
600/4-81-045	Polychlorinated Biphenyls (PCBs) (GC)		NP	NP		
8081A	Organochlorine Pesticides (GC)(list upon request)	NP/SW		NP/SW		
8082A	PCBs by Gas Chromatography(list upon request)	NP/SW		NP/SW		
8270C	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)			NP/SW		
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	P		
524.2	Trihalomethane compounds	P	P	P		
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	NP		
5035	Closed System Purge and Trap	SW		SW		
5030B	Purge and Trap	NP		NP		
8260B	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
180.1	Turbidity, Nephelometric	P	P	P		
300	Anions, Ion Chromatography	NP/P	NP/P	NP/P		
410.4	COD	NP	NP	NP		
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	NP		
7196A	Chromium, Hexavalent	NP/SW		NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		NP		
9040B	pH	NP		NP		
9045C	pH	SW		SW		
L107041C	Nitrogen, Nitrate	NP	P	NP/P		
L107-06-1B	Nitrogen Ammonia	NP	NP	NP/P		
L204001A CN	Cyanide, Total	P	NP/P	NP/P		
L210-001A	Phenolics, Total Recoverable	NP	NP	NP		
SM 2320B	Alkalinity	NP/P	NP/P	NP/P		
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	NP/P		
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	NP/P		
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	NP		
SM 3500 CR D	Chromium, Hexavalent	NP		NP		
SM 4500 H+ B	pH	NP/P	NP/P	NP/P		
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	NP/P		
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	NP/P		
SM 4500 P E	Phosphorus, Total	NP	NP	NP		
SM 4500 S2 D	Sulfide, Total	NP		NP		
SM 5210B	BOD, 5-Day	NP	NP	NP		
SM 5310B	Organic Carbon, Total (TOC)	NP/P	NP	NP/P		

Not all organic compounds are accreditied under NELAC
For methods with multiple compounds all compounds may not meet NELAC criteria, listing should be obtained from the laboratory
The lab carries additional accreditations with several states. This is the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-30419-1

Login Number: 30419

List Source: TestAmerica Westfield

Creator: Cagan, Marissa

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	0.6C/1.8C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Form

011191

●53 Southampton Road
Westfield, MA 01085
(P) 413-572-4000
(F) 413-572-3707
Westfield

●240 Bear Hill Rd., Suite 104
Waltham, MA 02451
(P) 781-466-6900
(F) 781-466-6901
Boston - Service Center

Client: Tighe & Bond
Address: 213 Court St Suite 900
Middletown, CT 06457
Phone (860) 977-8647 ~~Fax~~

Client Project #: 22-08172
Site ID & State: 116 Cook, CT
Reports Sent To: Meghan Schaub, Jim Olsen
Email: mmschaub@tighebond.com Email Rpt: ✓

Job# 360-30419 Quote# Meriden Brownfields PO#

Shaded areas for office use
Invoice same as Report to? ☐
If Invoice contact or address different, note in Comments

Comments (Special Instructions)

Please print legibly. If the analytical requests are not clearly defined on the chain-of-custody, the turnaround time will begin after all questions have been satisfactorily answered.

Requested Turnaround Time (PLEASE SPECIFY)
STANDARD 5 DAY
RUSH _____ (Lab Approval Required)

Regulatory Programs/Presumptive Certainty/QC Forms
MADEP MCP ☐ GW1/S1 ☐ PWS DEP Forms ☐
CTDEP RCP ✓ CT RSR ✓ EDD Required ☐
Std Rpt (L1) ☐ Rpt + QC(L2./MCP ✓ CLP Rpt (L3 or L4) ☐

500-series for drinking water
600-series for wastewater, NPDES
6000-series for groundwater, soil, waste
8000-series for groundwater, soil, waste
Use comments section to further define.

Sample Type Codes: WW-Wastewater, DW-Drinking Water, SW-Surface Water, GW-Groundwater, LW Lab Water, A-Air, S-Solids/Soil O-Oil, "Z"- Other

Sample I.D.	Sample Type	Sampler's Initials	Date / Time Collected	pH ✓ (lab use only)	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >12	Na2S2O3	None / 4° C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity
MW-100	GW	MMS	9-29-10 1000		X		7	P,G		X		X			X	X	X				X				
MW-101	GW	MMS	9-29-10 2206 ~~1630~~		X		7	P,G		X		X			X	X	X				X				
MW-102	GW	MMS	9-30-10 1530		X		7	P,G		X		X			X	X	X				X				
MW-103	GW	MMS	9-29-10 1234		X		7	P,G		X		X			X	X	X				X				
MW-104	GW	MMS	9-29-10 1756		X		7	P,G		X		X			X	X	X				X				
~~MW-200~~ DUP-1	GW	MMS	~~9-30-10~~ 9-29-10		X		7	P,G		X		X			X	X	X				X				
EB-1	W	MMS	9-29-10 2300		X		7	P,G		X		X			X	X	X				X				
EB-2	W	MMS	9-30-10 1550		X		7	P,G		X		X			X	X	X				X				
TB-1	W		9-29-10				2	G				X				X									
TB-2	W		9-30-10				2	G				X				X									

Comments:
8270- PAHs Only
Metals- RCP Metals

Meriden Brownfields
- TA/T&B QAPP

Sampled by (print): Meghan Schaub
Signature: [signature]

Cooler ? (Y) N
MADEP Requirement Samples Iced? Y N

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	9/30/10	2150	TTB Sample fridge	9/30/10	2150
[signature]	10-1-10	0830	[signature]	10-1-10	0830
[signature]	10-7-10	1015	[signature]	10/7/10	1015

Temp @ receipt: 0.4/1.8 °C
Preservation / pH checked? Y N
By: MC Date: 10/7/10

TestAmerica Westfield
WI-QA-010-REV 5

Page 1 of 1

White = Lab file Pink = Customer copy

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Westfield
Westfield Executive Park
53 Southampton Road
Westfield, MA 01085
Tel: (413)572-4000

TestAmerica Job ID: 360-35298-1
Client Project/Site: Meriden Brownfields 116 Cook

For:
Tighe & Bond
213 Court Street
Middletown, Connecticut 06457

Attn: Jim Olsen

Authorized for release by:
08/02/2011 09:14:31 AM
Joe Chimi
Report Production Representative
joe.chimi@testamericainc.com

Designee for

Becky Mason
Project Manager II
becky.mason@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Detection Summary 11
Method Summary 16
Sample Summary 17
Client Sample Results 18
Definitions 48
QC Association 49
Surrogate Summary 55
QC Sample Results 58
Chronicle 83
Certification Summary 89
Receipt Checklists 91
Chain of Custody 93

Job ID: 360-35298-1

Laboratory: TestAmerica Westfield

Narrative

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 07/22/2011; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 4.0 and 4.0 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2 C of the required temperature or method specified range. For samples with a specified temperature of 4 C, samples with a temperature ranging from just above freezing temperature of water to 6 C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC and State standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Regarding questions 5a and 5b on the CT RCP certification form, the laboratory has evaluated reporting limits against the most stringent class criteria in the absence of a specified class on the chain-of-custody.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples B-129 (3') (360-35298-14), B-129 (8') (360-35298-15), B-128 (3') (360-35298-17) and B-128 (8) (360-35298-18) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B (RCP). The samples were prepared and analyzed on 07/25/2011 and 07/27/2011.

Chloromethane, Dichlorodifluoromethane and Trichlorofluoromethane failed the recovery criteria low for LCS 360-77464/1-A. Methylene Chloride failed the recovery criteria high. Methylene Chloride failed the recovery criteria high for LCS 360-77635/1-A. Refer to the QC report for details.

For batch 77466, Methylene Chloride failed the continuing calibration verification (CCV) criteria low. For batch 77576, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Hexachlorobutadiene failed the CCV criteria high.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

Sample B-129 (3') (360-35298-14)[10X] required dilution prior to analysis due to high target concentration. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples TB-1 (360-35298-19) and EB-1 (360-35298-20) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B (RCP). The samples were analyzed on 07/25/2011.

Methylene Chloride failed the recovery criteria high for LCS 360-77478/3. Refer to the QC report for details.

The calibration curve used quadratic regression for 1,2-Dibromo-3-Chloropropane and trans-1,4-Dichloro-2-butene.

Job ID: 360-35298-1 (Continued)

Laboratory: TestAmerica Westfield (Continued)

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples B-115 (2-3) (360-35298-1), B-116 (1.5-3) (360-35298-2), B-117 (2.5-3.5) (360-35298-3), B-118 (1-2) (360-35298-4), B-119 (3-4) (360-35298-5), B-120 (2.5-3.5) (360-35298-6), B-121 (2.5-3.5) (360-35298-7), B-122 (2-3) (360-35298-8), B-123 (3-4) (360-35298-9), B-124 (3-4) (360-35298-10), B-125 (7-8) (360-35298-11), HA-131 (1-2) (360-35298-12), B-129 (3.5-4.5) (360-35298-13) and B-128 (1-2) (360-35298-16) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 07/28/2011 and analyzed on 07/29/2011.

For batch 77765, Benzo[g,h,i]perylene, Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene failed the continuing calibration verification (CCV) criteria low.

Perylene-d12 failed the internal standard criteria high for MB 360-77693/1-A.

For batch 77722, the calibration curve used quadratic regression for Naphthalene, Fluorene and Phenanthrene. For batch 77765, the calibration curve used quadratic regression for Benzo[g,h,i]perylene.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form

Samples B-116 (1.5-3) (360-35298-2)[5X], B-117 (2.5-3.5) (360-35298-3)[5X], B-119 (3-4) (360-35298-5)[5X], B-120 (2.5-3.5) (360-35298-6)[5X], B-121 (2.5-3.5) (360-35298-7)[5X], HA-131 (1-2) (360-35298-12)[5X] and B-129 (3.5-4.5) (360-35298-13)[5X] required dilution prior to analysis due to dark, black color. The reporting limits have been adjusted accordingly.

At the request of the client, an abbreviated RCP compound list (PAH's only) was reported for this job.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample EB-1 (360-35298-20) was analyzed for EPA SW-846 Method 8270C in accordance with EPA SW-846 Method 8270C. The sample was prepared on 07/25/2011 and analyzed on 07/27/2011.

Benzo[k]fluoranthene failed the recovery criteria high for LCS 360-77461/2-A. Refer to the QC report for details.

Benzo[b]fluoranthene failed the continuing calibration verification (CCV) criteria high.

The calibration curve used quadratic regression for Benzo[g,h,i]perylene.

At the request of the client, an abbreviated RCP compound list (PAH's only) was reported for this job.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form

No other difficulties were encountered during the PAH analysis.

Job ID: 360-35298-1 (Continued)

Laboratory: TestAmerica Westfield (Continued)

All other quality control parameters were within the acceptance limits.

EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS
Samples B-115 (2-3) (360-35298-1), B-116 (1.5-3) (360-35298-2), B-117 (2.5-3.5) (360-35298-3), B-118 (1-2) (360-35298-4), B-119 (3-4) (360-35298-5), B-120 (2.5-3.5) (360-35298-6), B-121 (2.5-3.5) (360-35298-7), B-122 (2-3) (360-35298-8), B-123 (3-4) (360-35298-9), B-124 (3-4) (360-35298-10), B-125 (7-8) (360-35298-11), HA-131 (1-2) (360-35298-12), B-129 (3.5-4.5) (360-35298-13) and B-128 (1-2) (360-35298-16) were analyzed for extractable total petroleum hydrocarbons in accordance with CT ETPH. The samples were prepared on 07/28/2011 and 07/29/2011 and analyzed on 07/29/2011 and 07/30/2011.

O-Terphenyl failed the surrogate recovery criteria high for B-119 (3-4) (360-35298-5). The sample was diluted and evidence of matrix interference was present. Refer to the QC report for details.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

Samples B-116 (1.5-3) (360-35298-2)[10X], B-117 (2.5-3.5) (360-35298-3)[10X], B-119 (3-4) (360-35298-5)[10X], B-120 (2.5-3.5) (360-35298-6)[10X], B-121 (2.5-3.5) (360-35298-7)[10X], B-124 (3-4) (360-35298-10)[10X], B-125 (7-8) (360-35298-11)[10X], HA-131 (1-2) (360-35298-12)[10X] and B-129 (3.5-4.5) (360-35298-13)[10X] required dilution prior to analysis due to dark, black color. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the ETPH analyses.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS
Sample EB-1 (360-35298-20) was analyzed for extractable total petroleum hydrocarbons in accordance with State CT ETPH. The sample was prepared on 07/26/2011 and analyzed on 07/28/2011.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form

No difficulties were encountered during the ETPH analysis.

All quality control parameters were within the acceptance limits.

SPLP METALS
Samples B-115 (2-3) (360-35298-1), B-116 (1.5-3) (360-35298-2), B-117 (2.5-3.5) (360-35298-3), B-118 (1-2) (360-35298-4), B-119 (3-4) (360-35298-5), B-120 (2.5-3.5) (360-35298-6), B-121 (2.5-3.5) (360-35298-7), B-122 (2-3) (360-35298-8), B-123 (3-4) (360-35298-9), B-124 (3-4) (360-35298-10), B-125 (7-8) (360-35298-11), HA-131 (1-2) (360-35298-12), B-129 (3.5-4.5) (360-35298-13) and B-128 (1-2) (360-35298-16) were analyzed for SPLP Metals in accordance with EPA SW-846 Methods 1312/6010B (RCP). The samples were leached on 07/26/2011, prepared on 07/27/2011 and analyzed on 07/28/2011.

This analysis was performed at TestAmerica Connecticut, 128 Long Hill Cross Road, Shelton, CT 06484.

At the request of the client, an abbreviated RCP analyte list was reported for this job.

No difficulties were encountered during the SPLP metals analyses.

All quality control parameters were within the acceptance limits.

METALS (ICP)
Samples B-115 (2-3) (360-35298-1), B-116 (1.5-3) (360-35298-2), B-117 (2.5-3.5) (360-35298-3), B-118 (1-2) (360-35298-4), B-119 (3-4)

Job ID: 360-35298-1 (Continued)

Laboratory: TestAmerica Westfield (Continued)

(360-35298-5), B-120 (2.5-3.5) (360-35298-6), B-121 (2.5-3.5) (360-35298-7), B-122 (2-3) (360-35298-8), B-123 (3-4) (360-35298-9), B-124 (3-4) (360-35298-10), B-125 (7-8) (360-35298-11), HA-131 (1-2) (360-35298-12), B-129 (3.5-4.5) (360-35298-13) and B-128 (1-2) (360-35298-16) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 07/25/2011.

Antimony failed the recovery criteria low for the MS of sample B-115 (2-3) (360-35298-1) in batch 360-77473. Copper and Lead failed the recovery criteria high. Copper exceeded the rpd limit for the duplicate of sample B-115 (2-3) (360-35298-1). The associated LCS recovered within control limits. Refer to the QC report for details.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

Samples B-118 (1-2) (360-35298-4)[5X] and B-122 (2-3) (360-35298-8)[2X] required dilution prior to analysis due to high target concentration. The reporting limits have been adjusted accordingly.

At the request of the client, an abbreviated RCP analyte list was reported for this job.

No other difficulties were encountered during the total metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Sample EB-1 (360-35298-20) was analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The sample was prepared and analyzed on 07/28/2011.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form

At the request of the client, an abbreviated RCP analyte list was reported for this job.

No difficulties were encountered during the total metals analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples B-115 (2-3) (360-35298-1), B-116 (1.5-3) (360-35298-2), B-117 (2.5-3.5) (360-35298-3), B-118 (1-2) (360-35298-4), B-119 (3-4) (360-35298-5), B-120 (2.5-3.5) (360-35298-6), B-121 (2.5-3.5) (360-35298-7), B-122 (2-3) (360-35298-8), B-123 (3-4) (360-35298-9), B-124 (3-4) (360-35298-10), B-125 (7-8) (360-35298-11), HA-131 (1-2) (360-35298-12), B-129 (3.5-4.5) (360-35298-13), B-129 (3') (360-35298-14), B-129 (8') (360-35298-15), B-128 (1-2) (360-35298-16), B-128 (3') (360-35298-17) and B-128 (8) (360-35298-18) were analyzed for percent solids in accordance with EPA Moisture. The samples were analyzed on 07/22/2011.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**Meriden Brownfields**	***Project Number:***	**360-35298-1**
Laboratory Sample ID (s):	**360-35298-(1-20)**	***Sampling Date (s):***	**7/21/11**
Method:	**SW846 8260B, SW846 8270C, STATE CT ETPH, SW846 6010B**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No √
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes √		No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

This Certification form is to be used for RCP methods only

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Steve Hartmann Position: Laboratory Director

Printed Name: Steve Hartmann Date: 8/1/11 16:48

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MADEP MA014
NY DOH 10843
RI DOH 57
CT DPH 0494
VT DECWSD

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NH DES 253901-A

TestAmerica Westfield
53 Southampton Rd,
Westfield, MA 01085
Tel:(413)572-4000
Fax:(413)572-3707

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	**TestAmerica Connecticut**	***Client:***	**Tighe and Bond**
Project Location:	**Meriden CT**	***Project Number:***	**360-35298**
Laboratory Sample ID (s):	**360-35298 1-13, 16**	***Sampling Date (s):***	**7/21/11**
RCP Method:	**6010, 1312**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes X		No
1A	Were the method specified preservation and holding time requirements met?	Yes X		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A X	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes X		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes X		No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes X		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes X		No
	b) Were these reporting limits met? (Refer to Report Narrative)	Yes		No X
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No X
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No X

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Doreen Nemeth Position: Quality Assurance Manager

Printed Name: **Doreen Nemeth** Date: August 1, 2011

The certification form has been electronically signed and approved.

Updated November 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CTDEP PH-0497

ACCREDITED IN ACCORDANCE WITH nelac

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel:(203)929-8140

CTDEP RCP/RSR Laboratory Detection Limit Exceedances

CTRCP - Aqueous Volatile Low Detection Limit Exceedances

The following Connecticut Reasonable Confidence Protocol (CTRCP) aqueous Volatile method 8260 low detection limits could not be achieved using routine laboratory reporting limits (RLs): Acrylonitrile, Bromomethane, Chloroethane, Dichlorodifluoromethane, Hexachlorobutadiene, Methylene chloride.

Connecticut Remediation Standard Exceedances

The following Connecticut Remediation Standard Regulations (CTRSRs) detection limits could not be achieved using routine laboratory reporting limits (RLs):

Volatiles 8260

Groundwater / Surface Water – GWPC Volatile Organic Compounds: Acrolein*, Acrylonitrile, 1,4-Dichlorobutene, Ethylene dibromide, Hexachlorobutadiene**

Groundwater / Surface Water – Proposed RES GWVC Volatile Organic Compound: Ethylene dibromide.

Soil GB PMC: Acrolein*

* Note that Acrolein is not an analyte required under the CTRCP 8260 Analyte List, Table 1B
** Note that Hexachlorobutadiene is also a SVOA CTRCP target compound. The CTRSR limit for this compound can be achieved by the 8270 SemiVolatile SIM method.

SemiVolatile 8270

Groundwater / Surface Water – GWPC SemiVolatile Organic Compounds: Benzo(a)anthracene, Benzo(b)fluoranthene, Pentachloronitrobenzene, Pyridine, 1,2,4,5-Tetrachlorobenzene.

Groundwater / Surface Water – SWPC SemiVolatile Organic Compounds: Dibenzo(a,h)anthracene, Hexachlorobenzene, Phenanthrene.

Soil GA/GAA PMC: 2,4-Dinitrophenol

Soil GB PMC: Pyridine, Pentachloronitrobenzene

Pesticide 8081

Groundwater / Surface Water – GWPC Pesticides: Aldrin, BHC-beta, Chlordane, Dieldrin

Groundwater / Surface Water – SWPC Pesticides: Chlordane, Toxaphene.

PCB 8082

Soil GA/GAA PMC and GB PMC (TCLP Only): Total PCBs

128 Long Hill Cross Road Shelton, CT 06484 **tel** 203.929.8140 **fax** 203.929.8142 **www.testamericainc.com**

Metals 6010

Ground / Surface Water – GWPC: Antimony, Arsenic, Beryllium, Thallium

Groundwater / Surface Water – SWPC: Arsenic, Beryllium, Lead

Soil GA/GAA PMC (TCLP only): Antimony, Arsenic, Beryllium, Thallium

All other Connecticut Remediation Standard Regulation (CTRSRs) can be achieved by TestAmerica Connecticut. Elevated detection limits may occur as a result of sample specific dilutions, matrix interference, or dry weight correction for soil samples.

128 Long Hill Cross Road Shelton, CT 06484 **tel** 203.929.8140 **fax** 203.929.8142 **www.testamericainc.com**

Client Sample ID: B-115 (2-3) — Lab Sample ID: 360-35298-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	240		190		ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	260		190		ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	360		190		ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	190		190		ug/Kg	1	☼	8270C	Total/NA
Chrysene	310		190		ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	530		190		ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	340		190		ug/Kg	1	☼	8270C	Total/NA
Pyrene	510		190		ug/Kg	1	☼	8270C	Total/NA
Arsenic	11		1.5		mg/Kg	1	☼	6010B	Total/NA
Lead	550		0.76		mg/Kg	1	☼	6010B	Total/NA
Copper	1200		1.5		mg/Kg	1	☼	6010B	Total/NA
Antimony	14		0.76		mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.015		0.015		mg/L	1		6010B	SPLP East
Antimony	0.023		0.015		mg/L	1		6010B	SPLP East
Copper	3.4		0.010		mg/L	1		6010B	SPLP East
Lead	0.62		0.015		mg/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	150		3.9		mg/Kg	1	☼	CT ETPH	Total/NA

Client Sample ID: B-116 (1.5-3) — Lab Sample ID: 360-35298-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	1000		1000		ug/Kg	5	☼	8270C	Total/NA
Benzo[b]fluoranthene	1600		1000		ug/Kg	5	☼	8270C	Total/NA
Chrysene	1500		1000		ug/Kg	5	☼	8270C	Total/NA
Fluoranthene	2100		1000		ug/Kg	5	☼	8270C	Total/NA
Phenanthrene	1600		1000		ug/Kg	5	☼	8270C	Total/NA
Pyrene	2000		1000		ug/Kg	5	☼	8270C	Total/NA
Arsenic	22		1.5		mg/Kg	1	☼	6010B	Total/NA
Lead	1000		0.73		mg/Kg	1	☼	6010B	Total/NA
Copper	1400		1.5		mg/Kg	1	☼	6010B	Total/NA
Antimony	35		0.73		mg/Kg	1	☼	6010B	Total/NA
Antimony	0.032		0.015		mg/L	1		6010B	SPLP East
Copper	0.37		0.010		mg/L	1		6010B	SPLP East
Lead	0.30		0.015		mg/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	520		41		mg/Kg	10	☼	CT ETPH	Total/NA

Client Sample ID: B-117 (2.5-3.5) — Lab Sample ID: 360-35298-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	1400		940		ug/Kg	5	☼	8270C	Total/NA
Benzo[a]pyrene	1700		940		ug/Kg	5	☼	8270C	Total/NA
Benzo[b]fluoranthene	2100		940		ug/Kg	5	☼	8270C	Total/NA
Benzo[g,h,i]perylene	1300		940		ug/Kg	5	☼	8270C	Total/NA
Chrysene	1400		940		ug/Kg	5	☼	8270C	Total/NA
Fluoranthene	2300		940		ug/Kg	5	☼	8270C	Total/NA
Phenanthrene	1100		940		ug/Kg	5	☼	8270C	Total/NA
Pyrene	2400		940		ug/Kg	5	☼	8270C	Total/NA
Arsenic	4.9		1.2		mg/Kg	1	☼	6010B	Total/NA
Lead	260		0.60		mg/Kg	1	☼	6010B	Total/NA
Copper	540		1.2		mg/Kg	1	☼	6010B	Total/NA
Antimony	12		0.60		mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: B-117 (2.5-3.5) (Continued) — Lab Sample ID: 360-35298-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.33		0.015		mg/L	1		6010B	SPLP East
Copper	1.9		0.010		mg/L	1		6010B	SPLP East
Lead	1.6		0.015		mg/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	370		37		mg/Kg	10	☼	CT ETPH	Total/NA

Client Sample ID: B-118 (1-2) — Lab Sample ID: 360-35298-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	370		190		ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	290		190		ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	470		190		ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	210		190		ug/Kg	1	☼	8270C	Total/NA
Chrysene	450		190		ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	590		190		ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	540		190		ug/Kg	1	☼	8270C	Total/NA
Pyrene	480		190		ug/Kg	1	☼	8270C	Total/NA
Arsenic	17		7.0		mg/Kg	5	☼	6010B	Total/NA
Lead	1700		3.5		mg/Kg	5	☼	6010B	Total/NA
Copper	8500		7.0		mg/Kg	5	☼	6010B	Total/NA
Antimony	63		3.5		mg/Kg	5	☼	6010B	Total/NA
Arsenic	0.034		0.015		mg/L	1		6010B	SPLP East
Antimony	0.61		0.015		mg/L	1		6010B	SPLP East
Copper	1.6		0.010		mg/L	1		6010B	SPLP East
Lead	4.4		0.015		mg/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	540		3.8		mg/Kg	1	☼	CT ETPH	Total/NA

Client Sample ID: B-119 (3-4) — Lab Sample ID: 360-35298-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	970		930		ug/Kg	5	☼	8270C	Total/NA
Benzo[a]anthracene	4900		930		ug/Kg	5	☼	8270C	Total/NA
Benzo[a]pyrene	4900		930		ug/Kg	5	☼	8270C	Total/NA
Benzo[b]fluoranthene	6300		930		ug/Kg	5	☼	8270C	Total/NA
Benzo[g,h,i]perylene	3500		930		ug/Kg	5	☼	8270C	Total/NA
Benzo[k]fluoranthene	2000		980		ug/Kg	5	☼	8270C	Total/NA
Chrysene	5000		930		ug/Kg	5	☼	8270C	Total/NA
Dibenz(a,h)anthracene	1100		930		ug/Kg	5	☼	8270C	Total/NA
Fluoranthene	8400		930		ug/Kg	5	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	3400		1800		ug/Kg	5	☼	8270C	Total/NA
Phenanthrene	4700		930		ug/Kg	5	☼	8270C	Total/NA
Pyrene	7700		930		ug/Kg	5	☼	8270C	Total/NA
Arsenic	9.6		1.3		mg/Kg	1	☼	6010B	Total/NA
Lead	630		0.64		mg/Kg	1	☼	6010B	Total/NA
Copper	480		1.3		mg/Kg	1	☼	6010B	Total/NA
Antimony	16		0.64		mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.020		0.015		mg/L	1		6010B	SPLP East
Antimony	0.10		0.015		mg/L	1		6010B	SPLP East
Copper	1.3		0.010		mg/L	1		6010B	SPLP East
Lead	1.7		0.015		mg/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	430		37		mg/Kg	10	☼	CT ETPH	Total/NA

Detection Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 116 Cook

TestAmerica Job ID: 360-35298-1

Client Sample ID: B-120 (2.5-3.5) — Lab Sample ID: 360-35298-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	1200		940		ug/Kg	5	☼	8270C	Total/NA
Arsenic	15		1.2		mg/Kg	1	☼	6010B	Total/NA
Lead	660		0.60		mg/Kg	1	☼	6010B	Total/NA
Copper	1400		1.2		mg/Kg	1	☼	6010B	Total/NA
Antimony	9.5		0.60		mg/Kg	1	☼	6010B	Total/NA
Antimony	0.060		0.015		mg/L	1		6010B	SPLP East
Copper	1.4		0.010		mg/L	1		6010B	SPLP East
Lead	0.42		0.015		mg/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	470		37		mg/Kg	10	☼	CT ETPH	Total/NA

Client Sample ID: B-121 (2.5-3.5) — Lab Sample ID: 360-35298-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.5		1.5		mg/Kg	1	☼	6010B	Total/NA
Lead	210		0.73		mg/Kg	1	☼	6010B	Total/NA
Copper	330		1.5		mg/Kg	1	☼	6010B	Total/NA
Antimony	2.6		0.73		mg/Kg	1	☼	6010B	Total/NA
Copper	0.011		0.010		mg/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	140		37		mg/Kg	10	☼	CT ETPH	Total/NA

Client Sample ID: B-122 (2-3) — Lab Sample ID: 360-35298-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	230		200		ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	310		200		ug/Kg	1	☼	8270C	Total/NA
Pyrene	260		200		ug/Kg	1	☼	8270C	Total/NA
Arsenic	14		2.9		mg/Kg	2	☼	6010B	Total/NA
Lead	1400		1.4		mg/Kg	2	☼	6010B	Total/NA
Copper	4400		2.9		mg/Kg	2	☼	6010B	Total/NA
Antimony	0.043		0.015		mg/L	1		6010B	SPLP East
Copper	1.5		0.010		mg/L	1		6010B	SPLP East
Lead	0.75		0.015		mg/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	82		4.0		mg/Kg	1	☼	CT ETPH	Total/NA

Client Sample ID: B-123 (3-4) — Lab Sample ID: 360-35298-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.6		1.5		mg/Kg	1	☼	6010B	Total/NA
Lead	79		0.74		mg/Kg	1	☼	6010B	Total/NA
Copper	36		1.5		mg/Kg	1	☼	6010B	Total/NA
Lead	0.024		0.015		mg/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	9.6		3.8		mg/Kg	1	☼	CT ETPH	Total/NA

Client Sample ID: B-124 (3-4) — Lab Sample ID: 360-35298-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	230		180		ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	290		180		ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	400		180		ug/Kg	1	☼	8270C	Total/NA

Client Sample ID: B-124 (3-4) (Continued) — Lab Sample ID: 360-35298-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	220		180		ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	260		180		ug/Kg	1	☼	8270C	Total/NA
Pyrene	350		180		ug/Kg	1	☼	8270C	Total/NA
Arsenic	2.1		1.4		mg/Kg	1	☼	6010B	Total/NA
Lead	16		0.69		mg/Kg	1	☼	6010B	Total/NA
Copper	25		1.4		mg/Kg	1	☼	6010B	Total/NA
Antimony	0.024		0.015		mg/L	1		6010B	SPLP East
Copper	0.073		0.010		mg/L	1		6010B	SPLP East
Lead	0.17		0.015		mg/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	110		35		mg/Kg	10	☼	CT ETPH	Total/NA

Client Sample ID: B-125 (7-8) — Lab Sample ID: 360-35298-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	260		200		ug/Kg	1	☼	8270C	Total/NA
Arsenic	11		1.4		mg/Kg	1	☼	6010B	Total/NA
Lead	7.3		0.69		mg/Kg	1	☼	6010B	Total/NA
Copper	19		1.4		mg/Kg	1	☼	6010B	Total/NA
Copper	0.057		0.010		mg/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	3500		40		mg/Kg	10	☼	CT ETPH	Total/NA

Client Sample ID: HA-131 (1-2) — Lab Sample ID: 360-35298-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	2400		950		ug/Kg	5	☼	8270C	Total/NA
Benzo[a]pyrene	2200		950		ug/Kg	5	☼	8270C	Total/NA
Benzo[b]fluoranthene	2900		950		ug/Kg	5	☼	8270C	Total/NA
Benzo[k]fluoranthene	1500		1000		ug/Kg	5	☼	8270C	Total/NA
Chrysene	2100		950		ug/Kg	5	☼	8270C	Total/NA
Fluoranthene	4400		950		ug/Kg	5	☼	8270C	Total/NA
Phenanthrene	2700		950		ug/Kg	5	☼	8270C	Total/NA
Pyrene	4600		950		ug/Kg	5	☼	8270C	Total/NA
Arsenic	62		1.4		mg/Kg	1	☼	6010B	Total/NA
Lead	140		0.71		mg/Kg	1	☼	6010B	Total/NA
Copper	280		1.4		mg/Kg	1	☼	6010B	Total/NA
Copper	0.66		0.010		mg/L	1		6010B	SPLP East
Lead	0.13		0.015		mg/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	260		38		mg/Kg	10	☼	CT ETPH	Total/NA

Client Sample ID: B-129 (3.5-4.5) — Lab Sample ID: 360-35298-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	1100		1000		ug/Kg	5	☼	8270C	Total/NA
Benzo[a]pyrene	1100		1000		ug/Kg	5	☼	8270C	Total/NA
Benzo[b]fluoranthene	1500		1000		ug/Kg	5	☼	8270C	Total/NA
Chrysene	1100		1000		ug/Kg	5	☼	8270C	Total/NA
Fluoranthene	2000		1000		ug/Kg	5	☼	8270C	Total/NA
Phenanthrene	1500		1000		ug/Kg	5	☼	8270C	Total/NA
Pyrene	2200		1000		ug/Kg	5	☼	8270C	Total/NA
Arsenic	80		1.5		mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: B-129 (3.5-4.5) (Continued) — Lab Sample ID: 360-35298-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	130		0.77		mg/Kg	1	☼	6010B	Total/NA
Copper	120		1.5		mg/Kg	1	☼	6010B	Total/NA
Arsenic	0.024		0.015		mg/L	1		6010B	SPLP East
Copper	0.11		0.010		mg/L	1		6010B	SPLP East
Lead	0.061		0.015		mg/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	330		39		mg/Kg	10	☼	CT ETPH	Total/NA

Client Sample ID: B-129 (3') — Lab Sample ID: 360-35298-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	190000		4900		ug/Kg	10	☼	8260B	Total/NA

Client Sample ID: B-129 (8') — Lab Sample ID: 360-35298-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	42		3.0		ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: B-128 (1-2) — Lab Sample ID: 360-35298-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.7		1.3		mg/Kg	1	☼	6010B	Total/NA
Lead	120		0.65		mg/Kg	1	☼	6010B	Total/NA
Copper	240		1.3		mg/Kg	1	☼	6010B	Total/NA
Antimony	4.8		0.65		mg/Kg	1	☼	6010B	Total/NA
Antimony	0.044		0.015		mg/L	1		6010B	SPLP East
Copper	0.25		0.010		mg/L	1		6010B	SPLP East
Lead	0.17		0.015		mg/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	34		3.5		mg/Kg	1	☼	CT ETPH	Total/NA

Client Sample ID: B-128 (3') — Lab Sample ID: 360-35298-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	4.5		2.6		ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: B-128 (8) — Lab Sample ID: 360-35298-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	7.6		2.8		ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: TB-1 — Lab Sample ID: 360-35298-19

No Detections.

Client Sample ID: EB-1 — Lab Sample ID: 360-35298-20

No Detections.

Method Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 116 Cook

TestAmerica Job ID: 360-35298-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL WFD
8270C	Semivolatile Compounds (GC/MS)	SW846	TAL WFD
CT ETPH	Connecticut - Extractable Total petroleum Hydrocarbons (GC)	STATE	TAL WFD
6010B	Metals (ICP)	SW846	TAL CT
6010B	Metals (ICP)	SW846	TAL WFD
Moisture	Percent Moisture	EPA	TAL WFD

Protocol References:

EPA = US Environmental Protection Agency

STATE = State of Connecticut Department of Public Health

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CT = TestAmerica Connecticut, 128 Long Hill Cross Road, Shelton, CT 06484, TEL (203)929-8140

TAL WFD = TestAmerica Westfield, Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085, TEL (413)572-4000

Sample Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 116 Cook

TestAmerica Job ID: 360-35298-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
360-35298-1	B-115 (2-3)	Solid	07/21/11 09:00	07/22/11 10:00
360-35298-2	B-116 (1.5-3)	Solid	07/21/11 09:11	07/22/11 10:00
360-35298-3	B-117 (2.5-3.5)	Solid	07/21/11 09:35	07/22/11 10:00
360-35298-4	B-118 (1-2)	Solid	07/21/11 09:41	07/22/11 10:00
360-35298-5	B-119 (3-4)	Solid	07/21/11 09:47	07/22/11 10:00
360-35298-6	B-120 (2.5-3.5)	Solid	07/21/11 10:25	07/22/11 10:00
360-35298-7	B-121 (2.5-3.5)	Solid	07/21/11 10:08	07/22/11 10:00
360-35298-8	B-122 (2-3)	Solid	07/21/11 08:52	07/22/11 10:00
360-35298-9	B-123 (3-4)	Solid	07/21/11 07:14	07/22/11 10:00
360-35298-10	B-124 (3-4)	Solid	07/21/11 07:40	07/22/11 10:00
360-35298-11	B-125 (7-8)	Solid	07/21/11 08:24	07/22/11 10:00
360-35298-12	HA-131 (1-2)	Solid	07/21/11 08:40	07/22/11 10:00
360-35298-13	B-129 (3.5-4.5)	Solid	07/21/11 12:15	07/22/11 10:00
360-35298-14	B-129 (3')	Solid	07/21/11 12:20	07/22/11 10:00
360-35298-15	B-129 (8')	Solid	07/21/11 12:25	07/22/11 10:00
360-35298-16	B-128 (1-2)	Solid	07/21/11 12:45	07/22/11 10:00
360-35298-17	B-128 (3')	Solid	07/21/11 12:50	07/22/11 10:00
360-35298-18	B-128 (8)	Solid	07/21/11 13:00	07/22/11 10:00
360-35298-19	TB-1	Water	07/21/11 07:00	07/22/11 10:00
360-35298-20	EB-1	Water	07/21/11 16:00	07/22/11 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: B-129 (3')
Date Collected: 07/21/11 12:20
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-14
Matrix: Solid
Percent Solids: 87.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,1,1-Trichloroethane	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,1,2,2-Tetrachloroethane	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		24000		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,1,2-Trichloroethane	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,1-Dichloroethane	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,1-Dichloroethene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,1-Dichloropropene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,2,3-Trichlorobenzene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,2,3-Trichloropropane	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,2,4-Trichlorobenzene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,2,4-Trimethylbenzene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,2-Dibromo-3-Chloropropane	ND		49000		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,2-Dichlorobenzene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,2-Dichloroethane	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,2-Dichloropropane	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,3,5-Trimethylbenzene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,3-Dichlorobenzene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,3-Dichloropropane	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
1,4-Dichlorobenzene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
2,2-Dichloropropane	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
2-Butanone (MEK)	ND		49000		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
2-Chlorotoluene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
2-Hexanone	ND		49000		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
4-Chlorotoluene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
4-Isopropyltoluene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
4-Methyl-2-pentanone (MIBK)	ND		49000		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Acetone	ND		490000		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Acrylonitrile	ND		49000		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Benzene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Bromobenzene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Bromoform	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Bromomethane	ND		9700		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Carbon disulfide	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Carbon tetrachloride	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Chlorobenzene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Chlorodibromomethane	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Chloroethane	ND		9700		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Chloroform	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Chloromethane	ND		9700		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
cis-1,2-Dichloroethene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
cis-1,3-Dichloropropene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Dibromomethane	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Dichlorobromomethane	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Dichlorodifluoromethane	ND		9700		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Ethylbenzene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Ethylene Dibromide	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Hexachlorobutadiene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Isopropylbenzene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: B-129 (3')
Date Collected: 07/21/11 12:20
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-14
Matrix: Solid
Percent Solids: 87.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		9700		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Methyl tert-butyl ether	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Methylene Chloride	ND	*	19000		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
n-Butylbenzene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
N-Propylbenzene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Naphthalene	ND		49000		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
o-Xylene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
sec-Butylbenzene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Styrene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
tert-Butylbenzene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Tetrachloroethene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Tetrahydrofuran	ND		49000		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Toluene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
trans-1,2-Dichloroethene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
trans-1,3-Dichloropropene	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
trans-1,4-Dichloro-2-butene	ND		9700		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Trichloroethene	**190000**		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Trichlorofluoromethane	ND		9700		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Vinyl chloride	ND		4900		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10
Xylenes, Total	ND		9700		ug/Kg	☼	07/27/11 09:07	07/27/11 17:53	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 130*	*07/27/11 09:07*	*07/27/11 17:53*	*10*
Dibromofluoromethane	*106*		*70 - 130*	*07/27/11 09:07*	*07/27/11 17:53*	*10*
Toluene-d8 (Surr)	*104*		*70 - 130*	*07/27/11 09:07*	*07/27/11 17:53*	*10*

Client Sample ID: B-129 (8')
Date Collected: 07/21/11 12:25
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-15
Matrix: Solid
Percent Solids: 79.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,1,1-Trichloroethane	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,1,2,2-Tetrachloroethane	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,1,2-Trichloroethane	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,1-Dichloroethane	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,1-Dichloroethene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,1-Dichloropropene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,2,3-Trichlorobenzene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,2,3-Trichloropropane	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,2,4-Trichlorobenzene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,2,4-Trimethylbenzene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,2-Dibromo-3-Chloropropane	ND		30		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,2-Dichlorobenzene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,2-Dichloroethane	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,2-Dichloropropane	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,3,5-Trimethylbenzene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,3-Dichlorobenzene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
1,3-Dichloropropane	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: B-129 (8')
Date Collected: 07/21/11 12:25
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-15
Matrix: Solid
Percent Solids: 79.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
2,2-Dichloropropane	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
2-Butanone (MEK)	ND		30		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
2-Chlorotoluene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
2-Hexanone	ND		30		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
4-Chlorotoluene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
4-Isopropyltoluene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
4-Methyl-2-pentanone (MIBK)	ND		30		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Acetone	ND		300		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Acrylonitrile	ND		30		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Benzene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Bromobenzene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Bromoform	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Bromomethane	ND		6.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Carbon disulfide	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Carbon tetrachloride	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Chlorobenzene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Chlorodibromomethane	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Chloroethane	ND		6.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Chloroform	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Chloromethane	ND	*	6.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
cis-1,2-Dichloroethene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
cis-1,3-Dichloropropene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Dibromomethane	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Dichlorobromomethane	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Dichlorodifluoromethane	ND	*	6.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Ethylbenzene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Ethylene Dibromide	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Hexachlorobutadiene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Isopropylbenzene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
m-Xylene & p-Xylene	ND		6.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Methyl tert-butyl ether	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Methylene Chloride	ND	*	12		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
n-Butylbenzene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
N-Propylbenzene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Naphthalene	ND		30		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
o-Xylene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
sec-Butylbenzene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Styrene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
tert-Butylbenzene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Tetrachloroethene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Tetrahydrofuran	ND		30		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Toluene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
trans-1,2-Dichloroethene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
trans-1,3-Dichloropropene	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
trans-1,4-Dichloro-2-butene	ND		6.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Trichloroethene	**42**		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Trichlorofluoromethane	ND	*	6.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1
Vinyl chloride	ND		3.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: B-129 (8')
Date Collected: 07/21/11 12:25
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-15
Matrix: Solid
Percent Solids: 79.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		6.0		ug/Kg	☼	07/25/11 08:21	07/25/11 18:37	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*	*07/25/11 08:21*	*07/25/11 18:37*	*1*
Dibromofluoromethane	*107*		*70 - 130*	*07/25/11 08:21*	*07/25/11 18:37*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*07/25/11 08:21*	*07/25/11 18:37*	*1*

Client Sample ID: B-128 (3')
Date Collected: 07/21/11 12:50
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-17
Matrix: Solid
Percent Solids: 92.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,1,1-Trichloroethane	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,1,2,2-Tetrachloroethane	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,1,2-Trichloroethane	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,1-Dichloroethane	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,1-Dichloroethene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,1-Dichloropropene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,2,3-Trichlorobenzene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,2,3-Trichloropropane	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,2,4-Trichlorobenzene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,2,4-Trimethylbenzene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,2-Dibromo-3-Chloropropane	ND		26		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,2-Dichlorobenzene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,2-Dichloroethane	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,2-Dichloropropane	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,3,5-Trimethylbenzene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,3-Dichlorobenzene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,3-Dichloropropane	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
1,4-Dichlorobenzene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
2,2-Dichloropropane	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
2-Butanone (MEK)	ND		26		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
2-Chlorotoluene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
2-Hexanone	ND		26		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
4-Chlorotoluene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
4-Isopropyltoluene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
4-Methyl-2-pentanone (MIBK)	ND		26		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Acetone	ND		260		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Acrylonitrile	ND		26		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Benzene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Bromobenzene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Bromoform	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Bromomethane	ND		5.2		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Carbon disulfide	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Carbon tetrachloride	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Chlorobenzene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Chlorodibromomethane	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Chloroethane	ND		5.2		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: B-128 (3')
Date Collected: 07/21/11 12:50
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-17
Matrix: Solid
Percent Solids: 92.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Chloromethane	ND	*	5.2		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
cis-1,2-Dichloroethene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
cis-1,3-Dichloropropene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Dibromomethane	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Dichlorobromomethane	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Dichlorodifluoromethane	ND	*	5.2		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Ethylbenzene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Ethylene Dibromide	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Hexachlorobutadiene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Isopropylbenzene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
m-Xylene & p-Xylene	ND		5.2		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Methyl tert-butyl ether	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Methylene Chloride	ND	*	10		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
n-Butylbenzene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
N-Propylbenzene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Naphthalene	ND		26		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
o-Xylene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
sec-Butylbenzene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Styrene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
tert-Butylbenzene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Tetrachloroethene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Tetrahydrofuran	ND		26		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Toluene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
trans-1,2-Dichloroethene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
trans-1,3-Dichloropropene	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
trans-1,4-Dichloro-2-butene	ND		5.2		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Trichloroethene	**4.5**		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Trichlorofluoromethane	ND	*	5.2		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Vinyl chloride	ND		2.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1
Xylenes, Total	ND		5.2		ug/Kg	☼	07/25/11 08:21	07/25/11 19:00	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*	*07/25/11 08:21*	*07/25/11 19:00*	*1*
Dibromofluoromethane	*110*		*70 - 130*	*07/25/11 08:21*	*07/25/11 19:00*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*07/25/11 08:21*	*07/25/11 19:00*	*1*

Client Sample ID: B-128 (8)
Date Collected: 07/21/11 13:00
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-18
Matrix: Solid
Percent Solids: 81.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,1,1-Trichloroethane	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,1,2,2-Tetrachloroethane	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		14		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,1,2-Trichloroethane	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,1-Dichloroethane	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,1-Dichloroethene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,1-Dichloropropene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: B-128 (8)
Date Collected: 07/21/11 13:00
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-18
Matrix: Solid
Percent Solids: 81.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,2,3-Trichloropropane	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,2,4-Trichlorobenzene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,2,4-Trimethylbenzene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,2-Dibromo-3-Chloropropane	ND		28		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,2-Dichlorobenzene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,2-Dichloroethane	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,2-Dichloropropane	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,3,5-Trimethylbenzene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,3-Dichlorobenzene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,3-Dichloropropane	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
1,4-Dichlorobenzene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
2,2-Dichloropropane	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
2-Butanone (MEK)	ND		28		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
2-Chlorotoluene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
2-Hexanone	ND		28		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
4-Chlorotoluene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
4-Isopropyltoluene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
4-Methyl-2-pentanone (MIBK)	ND		28		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Acetone	ND		280		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Acrylonitrile	ND		28		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Benzene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Bromobenzene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Bromoform	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Bromomethane	ND		5.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Carbon disulfide	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Carbon tetrachloride	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Chlorobenzene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Chlorodibromomethane	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Chloroethane	ND		5.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Chloroform	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Chloromethane	ND	*	5.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
cis-1,2-Dichloroethene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
cis-1,3-Dichloropropene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Dibromomethane	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Dichlorobromomethane	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Dichlorodifluoromethane	ND	*	5.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Ethylbenzene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Ethylene Dibromide	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Hexachlorobutadiene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Isopropylbenzene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
m-Xylene & p-Xylene	ND		5.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Methyl tert-butyl ether	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Methylene Chloride	ND	*	11		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
n-Butylbenzene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
N-Propylbenzene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Naphthalene	ND		28		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
o-Xylene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
sec-Butylbenzene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: B-128 (8)
Date Collected: 07/21/11 13:00
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-18
Matrix: Solid
Percent Solids: 81.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
tert-Butylbenzene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Tetrachloroethene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Tetrahydrofuran	ND		28		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Toluene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
trans-1,2-Dichloroethene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
trans-1,3-Dichloropropene	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
trans-1,4-Dichloro-2-butene	ND		5.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Trichloroethene	**7.6**		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Trichlorofluoromethane	ND	*	5.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Vinyl chloride	ND		2.8		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1
Xylenes, Total	ND		5.6		ug/Kg	☼	07/25/11 08:21	07/25/11 19:22	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*	*07/25/11 08:21*	*07/25/11 19:22*	*1*
Dibromofluoromethane	*105*		*70 - 130*	*07/25/11 08:21*	*07/25/11 19:22*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*	*07/25/11 08:21*	*07/25/11 19:22*	*1*

Client Sample ID: TB-1
Date Collected: 07/21/11 07:00
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-19
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			07/25/11 14:25	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/25/11 14:25	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			07/25/11 14:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			07/25/11 14:25	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/25/11 14:25	1
1,1-Dichloroethane	ND		1.0		ug/L			07/25/11 14:25	1
1,1-Dichloroethene	ND		1.0		ug/L			07/25/11 14:25	1
1,1-Dichloropropene	ND		1.0		ug/L			07/25/11 14:25	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/25/11 14:25	1
1,2,3-Trichloropropane	ND		1.0		ug/L			07/25/11 14:25	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/25/11 14:25	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			07/25/11 14:25	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			07/25/11 14:25	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/25/11 14:25	1
1,2-Dichloroethane	ND		1.0		ug/L			07/25/11 14:25	1
1,2-Dichloropropane	ND		1.0		ug/L			07/25/11 14:25	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			07/25/11 14:25	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/25/11 14:25	1
1,3-Dichloropropane	ND		1.0		ug/L			07/25/11 14:25	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/25/11 14:25	1
2,2-Dichloropropane	ND		1.0		ug/L			07/25/11 14:25	1
2-Butanone (MEK)	ND		10		ug/L			07/25/11 14:25	1
2-Chlorotoluene	ND		1.0		ug/L			07/25/11 14:25	1
2-Hexanone	ND		10		ug/L			07/25/11 14:25	1
4-Chlorotoluene	ND		1.0		ug/L			07/25/11 14:25	1
4-Isopropyltoluene	ND		1.0		ug/L			07/25/11 14:25	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			07/25/11 14:25	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: TB-1
Date Collected: 07/21/11 07:00
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-19
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/L			07/25/11 14:25	1
Acrylonitrile	ND		0.50		ug/L			07/25/11 14:25	1
Benzene	ND		1.0		ug/L			07/25/11 14:25	1
Bromobenzene	ND		1.0		ug/L			07/25/11 14:25	1
Bromoform	ND		1.0		ug/L			07/25/11 14:25	1
Bromomethane	ND		2.0		ug/L			07/25/11 14:25	1
Carbon disulfide	ND		10		ug/L			07/25/11 14:25	1
Carbon tetrachloride	ND		1.0		ug/L			07/25/11 14:25	1
Chlorobenzene	ND		1.0		ug/L			07/25/11 14:25	1
Chlorodibromomethane	ND		0.50		ug/L			07/25/11 14:25	1
Chloroethane	ND		2.0		ug/L			07/25/11 14:25	1
Chloroform	ND		1.0		ug/L			07/25/11 14:25	1
Chloromethane	ND		2.0		ug/L			07/25/11 14:25	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			07/25/11 14:25	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			07/25/11 14:25	1
Dibromomethane	ND		1.0		ug/L			07/25/11 14:25	1
Dichlorobromomethane	ND		0.50		ug/L			07/25/11 14:25	1
Dichlorodifluoromethane	ND		1.0		ug/L			07/25/11 14:25	1
Ethylbenzene	ND		1.0		ug/L			07/25/11 14:25	1
Ethylene Dibromide	ND		1.0		ug/L			07/25/11 14:25	1
Hexachlorobutadiene	ND		0.40		ug/L			07/25/11 14:25	1
Isopropylbenzene	ND		1.0		ug/L			07/25/11 14:25	1
m-Xylene & p-Xylene	ND		2.0		ug/L			07/25/11 14:25	1
Methyl tert-butyl ether	ND		1.0		ug/L			07/25/11 14:25	1
Methylene Chloride	ND	*	2.0		ug/L			07/25/11 14:25	1
n-Butylbenzene	ND		1.0		ug/L			07/25/11 14:25	1
N-Propylbenzene	ND		1.0		ug/L			07/25/11 14:25	1
Naphthalene	ND		5.0		ug/L			07/25/11 14:25	1
o-Xylene	ND		1.0		ug/L			07/25/11 14:25	1
sec-Butylbenzene	ND		1.0		ug/L			07/25/11 14:25	1
Styrene	ND		1.0		ug/L			07/25/11 14:25	1
tert-Butylbenzene	ND		1.0		ug/L			07/25/11 14:25	1
Tetrachloroethene	ND		1.0		ug/L			07/25/11 14:25	1
Tetrahydrofuran	ND		10		ug/L			07/25/11 14:25	1
Toluene	ND		1.0		ug/L			07/25/11 14:25	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/25/11 14:25	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			07/25/11 14:25	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			07/25/11 14:25	1
Trichloroethene	ND		1.0		ug/L			07/25/11 14:25	1
Trichlorofluoromethane	ND		1.0		ug/L			07/25/11 14:25	1
Vinyl chloride	ND		0.50		ug/L			07/25/11 14:25	1
Xylenes, Total	ND		1.0		ug/L			07/25/11 14:25	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*07/25/11 14:25*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*07/25/11 14:25*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*07/25/11 14:25*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: EB-1
Date Collected: 07/21/11 16:00
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-20
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			07/25/11 14:46	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/25/11 14:46	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			07/25/11 14:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			07/25/11 14:46	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/25/11 14:46	1
1,1-Dichloroethane	ND		1.0		ug/L			07/25/11 14:46	1
1,1-Dichloroethene	ND		1.0		ug/L			07/25/11 14:46	1
1,1-Dichloropropene	ND		1.0		ug/L			07/25/11 14:46	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/25/11 14:46	1
1,2,3-Trichloropropane	ND		1.0		ug/L			07/25/11 14:46	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/25/11 14:46	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			07/25/11 14:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			07/25/11 14:46	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/25/11 14:46	1
1,2-Dichloroethane	ND		1.0		ug/L			07/25/11 14:46	1
1,2-Dichloropropane	ND		1.0		ug/L			07/25/11 14:46	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			07/25/11 14:46	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/25/11 14:46	1
1,3-Dichloropropane	ND		1.0		ug/L			07/25/11 14:46	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/25/11 14:46	1
2,2-Dichloropropane	ND		1.0		ug/L			07/25/11 14:46	1
2-Butanone (MEK)	ND		10		ug/L			07/25/11 14:46	1
2-Chlorotoluene	ND		1.0		ug/L			07/25/11 14:46	1
2-Hexanone	ND		10		ug/L			07/25/11 14:46	1
4-Chlorotoluene	ND		1.0		ug/L			07/25/11 14:46	1
4-Isopropyltoluene	ND		1.0		ug/L			07/25/11 14:46	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			07/25/11 14:46	1
Acetone	ND		50		ug/L			07/25/11 14:46	1
Acrylonitrile	ND		0.50		ug/L			07/25/11 14:46	1
Benzene	ND		1.0		ug/L			07/25/11 14:46	1
Bromobenzene	ND		1.0		ug/L			07/25/11 14:46	1
Bromoform	ND		1.0		ug/L			07/25/11 14:46	1
Bromomethane	ND		2.0		ug/L			07/25/11 14:46	1
Carbon disulfide	ND		10		ug/L			07/25/11 14:46	1
Carbon tetrachloride	ND		1.0		ug/L			07/25/11 14:46	1
Chlorobenzene	ND		1.0		ug/L			07/25/11 14:46	1
Chlorodibromomethane	ND		0.50		ug/L			07/25/11 14:46	1
Chloroethane	ND		2.0		ug/L			07/25/11 14:46	1
Chloroform	ND		1.0		ug/L			07/25/11 14:46	1
Chloromethane	ND		2.0		ug/L			07/25/11 14:46	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			07/25/11 14:46	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			07/25/11 14:46	1
Dibromomethane	ND		1.0		ug/L			07/25/11 14:46	1
Dichlorobromomethane	ND		0.50		ug/L			07/25/11 14:46	1
Dichlorodifluoromethane	ND		1.0		ug/L			07/25/11 14:46	1
Ethylbenzene	ND		1.0		ug/L			07/25/11 14:46	1
Ethylene Dibromide	ND		1.0		ug/L			07/25/11 14:46	1
Hexachlorobutadiene	ND		0.40		ug/L			07/25/11 14:46	1
Isopropylbenzene	ND		1.0		ug/L			07/25/11 14:46	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EB-1
Date Collected: 07/21/11 16:00
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-20
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		2.0		ug/L			07/25/11 14:46	1
Methyl tert-butyl ether	ND		1.0		ug/L			07/25/11 14:46	1
Methylene Chloride	ND	*	2.0		ug/L			07/25/11 14:46	1
n-Butylbenzene	ND		1.0		ug/L			07/25/11 14:46	1
N-Propylbenzene	ND		1.0		ug/L			07/25/11 14:46	1
Naphthalene	ND		5.0		ug/L			07/25/11 14:46	1
o-Xylene	ND		1.0		ug/L			07/25/11 14:46	1
sec-Butylbenzene	ND		1.0		ug/L			07/25/11 14:46	1
Styrene	ND		1.0		ug/L			07/25/11 14:46	1
tert-Butylbenzene	ND		1.0		ug/L			07/25/11 14:46	1
Tetrachloroethene	ND		1.0		ug/L			07/25/11 14:46	1
Tetrahydrofuran	ND		10		ug/L			07/25/11 14:46	1
Toluene	ND		1.0		ug/L			07/25/11 14:46	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/25/11 14:46	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			07/25/11 14:46	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			07/25/11 14:46	1
Trichloroethene	ND		1.0		ug/L			07/25/11 14:46	1
Trichlorofluoromethane	ND		1.0		ug/L			07/25/11 14:46	1
Vinyl chloride	ND		0.50		ug/L			07/25/11 14:46	1
Xylenes, Total	ND		1.0		ug/L			07/25/11 14:46	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 130*		*07/25/11 14:46*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*07/25/11 14:46*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*07/25/11 14:46*	*1*

Method: 8270C - Semivolatile Compounds (GC/MS)

Client Sample ID: B-115 (2-3)
Date Collected: 07/21/11 09:00
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-1
Matrix: Solid
Percent Solids: 84.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1
Acenaphthene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1
Anthracene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1
Benzo[a]anthracene	**240**		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1
Benzo[a]pyrene	**260**		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1
Acenaphthylene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1
Benzo[b]fluoranthene	**360**		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1
Benzo[g,h,i]perylene	**190**		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1
Benzo[k]fluoranthene	ND		210		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1
Chrysene	**310**		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1
Dibenz(a,h)anthracene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1
Fluoranthene	**530**		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1
Fluorene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1
Indeno[1,2,3-cd]pyrene	ND		390		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1
Naphthalene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1
Phenanthrene	**340**		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1
Pyrene	**510**		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:52	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*54*		*30 - 130*	*07/28/11 15:55*	*07/29/11 16:52*	*1*
2-Fluorobiphenyl	*65*		*30 - 130*	*07/28/11 15:55*	*07/29/11 16:52*	*1*
Terphenyl-d14 (Surr)	*71*		*30 - 130*	*07/28/11 15:55*	*07/29/11 16:52*	*1*

Client Sample ID: B-116 (1.5-3)
Date Collected: 07/21/11 09:11
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-2
Matrix: Solid
Percent Solids: 81.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5
Acenaphthene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5
Anthracene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5
Benzo[a]anthracene	**1000**		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5
Benzo[a]pyrene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5
Acenaphthylene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5
Benzo[b]fluoranthene	**1600**		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5
Benzo[g,h,i]perylene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5
Benzo[k]fluoranthene	ND		1100		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5
Chrysene	**1500**		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5
Dibenz(a,h)anthracene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5
Fluoranthene	**2100**		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5
Fluorene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5
Indeno[1,2,3-cd]pyrene	ND		2000		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5
Naphthalene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5
Phenanthrene	**1600**		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5
Pyrene	**2000**		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 17:24	5

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*57*		*30 - 130*	*07/28/11 15:55*	*07/29/11 17:24*	*5*
2-Fluorobiphenyl	*72*		*30 - 130*	*07/28/11 15:55*	*07/29/11 17:24*	*5*
Terphenyl-d14 (Surr)	*78*		*30 - 130*	*07/28/11 15:55*	*07/29/11 17:24*	*5*

Method: 8270C - Semivolatile Compounds (GC/MS)

Client Sample ID: B-117 (2.5-3.5)
Date Collected: 07/21/11 09:35
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-3
Matrix: Solid
Percent Solids: 88.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5
Acenaphthene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5
Anthracene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5
Benzo[a]anthracene	**1400**		940		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5
Benzo[a]pyrene	**1700**		940		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5
Acenaphthylene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5
Benzo[b]fluoranthene	**2100**		940		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5
Benzo[g,h,i]perylene	**1300**		940		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5
Benzo[k]fluoranthene	ND		990		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5
Chrysene	**1400**		940		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5
Dibenz(a,h)anthracene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5
Fluoranthene	**2300**		940		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5
Fluorene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5
Indeno[1,2,3-cd]pyrene	ND		1900		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5
Naphthalene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5
Phenanthrene	**1100**		940		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5
Pyrene	**2400**		940		ug/Kg	☼	07/28/11 15:55	07/29/11 17:57	5

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*50*		*30 - 130*	*07/28/11 15:55*	*07/29/11 17:57*	*5*
2-Fluorobiphenyl	*61*		*30 - 130*	*07/28/11 15:55*	*07/29/11 17:57*	*5*
Terphenyl-d14 (Surr)	*74*		*30 - 130*	*07/28/11 15:55*	*07/29/11 17:57*	*5*

Client Sample ID: B-118 (1-2)
Date Collected: 07/21/11 09:41
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-4
Matrix: Solid
Percent Solids: 87.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1
Acenaphthene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1
Anthracene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1
Benzo[a]anthracene	**370**		190		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1
Benzo[a]pyrene	**290**		190		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1
Acenaphthylene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1
Benzo[b]fluoranthene	**470**		190		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1
Benzo[g,h,i]perylene	**210**		190		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1
Benzo[k]fluoranthene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1
Chrysene	**450**		190		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1
Dibenz(a,h)anthracene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1
Fluoranthene	**590**		190		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1
Fluorene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1
Indeno[1,2,3-cd]pyrene	ND		380		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1
Naphthalene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1
Phenanthrene	**540**		190		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1
Pyrene	**480**		190		ug/Kg	☼	07/28/11 15:55	07/29/11 18:30	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*54*		*30 - 130*	*07/28/11 15:55*	*07/29/11 18:30*	*1*
2-Fluorobiphenyl	*62*		*30 - 130*	*07/28/11 15:55*	*07/29/11 18:30*	*1*
Terphenyl-d14 (Surr)	*62*		*30 - 130*	*07/28/11 15:55*	*07/29/11 18:30*	*1*

Method: 8270C - Semivolatile Compounds (GC/MS)

Client Sample ID: B-119 (3-4)
Date Collected: 07/21/11 09:47
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-5
Matrix: Solid
Percent Solids: 88.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		930		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5
Acenaphthene	ND		930		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5
Anthracene	**970**		930		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5
Benzo[a]anthracene	**4900**		930		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5
Benzo[a]pyrene	**4900**		930		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5
Acenaphthylene	ND		930		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5
Benzo[b]fluoranthene	**6300**		930		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5
Benzo[g,h,i]perylene	**3500**		930		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5
Benzo[k]fluoranthene	**2000**		980		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5
Chrysene	**5000**		930		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5
Dibenz(a,h)anthracene	**1100**		930		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5
Fluoranthene	**8400**		930		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5
Fluorene	ND		930		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5
Indeno[1,2,3-cd]pyrene	**3400**		1800		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5
Naphthalene	ND		930		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5
Phenanthrene	**4700**		930		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5
Pyrene	**7700**		930		ug/Kg	☼	07/28/11 15:55	07/29/11 19:03	5

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*52*		*30 - 130*	*07/28/11 15:55*	*07/29/11 19:03*	*5*
2-Fluorobiphenyl	*68*		*30 - 130*	*07/28/11 15:55*	*07/29/11 19:03*	*5*
Terphenyl-d14 (Surr)	*77*		*30 - 130*	*07/28/11 15:55*	*07/29/11 19:03*	*5*

Client Sample ID: B-120 (2.5-3.5)
Date Collected: 07/21/11 10:25
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-6
Matrix: Solid
Percent Solids: 86.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5
Acenaphthene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5
Anthracene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5
Benzo[a]anthracene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5
Benzo[a]pyrene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5
Acenaphthylene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5
Benzo[b]fluoranthene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5
Benzo[g,h,i]perylene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5
Benzo[k]fluoranthene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5
Chrysene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5
Dibenz(a,h)anthracene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5
Fluoranthene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5
Fluorene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5
Indeno[1,2,3-cd]pyrene	ND		1900		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5
Naphthalene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5
Phenanthrene	ND		940		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5
Pyrene	**1200**		940		ug/Kg	☼	07/28/11 15:55	07/29/11 19:36	5

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*36*		*30 - 130*	*07/28/11 15:55*	*07/29/11 19:36*	*5*
2-Fluorobiphenyl	*49*		*30 - 130*	*07/28/11 15:55*	*07/29/11 19:36*	*5*
Terphenyl-d14 (Surr)	*59*		*30 - 130*	*07/28/11 15:55*	*07/29/11 19:36*	*5*

Method: 8270C - Semivolatile Compounds (GC/MS)

Client Sample ID: B-121 (2.5-3.5)
Date Collected: 07/21/11 10:08
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-7
Matrix: Solid
Percent Solids: 88.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		920		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5
Acenaphthene	ND		920		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5
Anthracene	ND		920		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5
Benzo[a]anthracene	ND		920		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5
Benzo[a]pyrene	ND		920		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5
Acenaphthylene	ND		920		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5
Benzo[b]fluoranthene	ND		920		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5
Benzo[g,h,i]perylene	ND		920		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5
Benzo[k]fluoranthene	ND		980		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5
Chrysene	ND		920		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5
Dibenz(a,h)anthracene	ND		920		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5
Fluoranthene	ND		920		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5
Fluorene	ND		920		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5
Indeno[1,2,3-cd]pyrene	ND		1800		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5
Naphthalene	ND		920		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5
Phenanthrene	ND		920		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5
Pyrene	ND		920		ug/Kg	☼	07/28/11 15:55	07/29/11 15:39	5

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*57*		*30 - 130*	*07/28/11 15:55*	*07/29/11 15:39*	*5*
2-Fluorobiphenyl	*59*		*30 - 130*	*07/28/11 15:55*	*07/29/11 15:39*	*5*
Terphenyl-d14 (Surr)	*78*		*30 - 130*	*07/28/11 15:55*	*07/29/11 15:39*	*5*

Client Sample ID: B-122 (2-3)
Date Collected: 07/21/11 08:52
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-8
Matrix: Solid
Percent Solids: 82.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1
Acenaphthene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1
Anthracene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1
Benzo[a]anthracene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1
Benzo[a]pyrene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1
Acenaphthylene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1
Benzo[b]fluoranthene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1
Benzo[g,h,i]perylene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1
Benzo[k]fluoranthene	ND		210		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1
Chrysene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1
Dibenz(a,h)anthracene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1
Fluoranthene	**230**		200		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1
Fluorene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1
Indeno[1,2,3-cd]pyrene	ND		400		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1
Naphthalene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1
Phenanthrene	**310**		200		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1
Pyrene	**260**		200		ug/Kg	☼	07/28/11 15:55	07/29/11 16:10	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*59*		*30 - 130*	*07/28/11 15:55*	*07/29/11 16:10*	*1*
2-Fluorobiphenyl	*59*		*30 - 130*	*07/28/11 15:55*	*07/29/11 16:10*	*1*
Terphenyl-d14 (Surr)	*67*		*30 - 130*	*07/28/11 15:55*	*07/29/11 16:10*	*1*

Method: 8270C - Semivolatile Compounds (GC/MS)

Client Sample ID: B-123 (3-4)
Date Collected: 07/21/11 07:14
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-9
Matrix: Solid
Percent Solids: 86.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1
Acenaphthene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1
Anthracene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1
Benzo[a]anthracene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1
Benzo[a]pyrene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1
Acenaphthylene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1
Benzo[b]fluoranthene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1
Benzo[g,h,i]perylene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1
Benzo[k]fluoranthene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1
Chrysene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1
Dibenz(a,h)anthracene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1
Fluoranthene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1
Fluorene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1
Indeno[1,2,3-cd]pyrene	ND		380		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1
Naphthalene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1
Phenanthrene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1
Pyrene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 16:41	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*59*		*30 - 130*	*07/28/11 15:55*	*07/29/11 16:41*	*1*
2-Fluorobiphenyl	*57*		*30 - 130*	*07/28/11 15:55*	*07/29/11 16:41*	*1*
Terphenyl-d14 (Surr)	*80*		*30 - 130*	*07/28/11 15:55*	*07/29/11 16:41*	*1*

Client Sample ID: B-124 (3-4)
Date Collected: 07/21/11 07:40
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-10
Matrix: Solid
Percent Solids: 92.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1
Acenaphthene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1
Anthracene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1
Benzo[a]anthracene	**230**		180		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1
Benzo[a]pyrene	**290**		180		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1
Acenaphthylene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1
Benzo[b]fluoranthene	**400**		180		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1
Benzo[g,h,i]perylene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1
Benzo[k]fluoranthene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1
Chrysene	**220**		180		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1
Dibenz(a,h)anthracene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1
Fluoranthene	**260**		180		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1
Fluorene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1
Indeno[1,2,3-cd]pyrene	ND		350		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1
Naphthalene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1
Phenanthrene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1
Pyrene	**350**		180		ug/Kg	☼	07/28/11 15:55	07/29/11 17:12	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*73*		*30 - 130*	*07/28/11 15:55*	*07/29/11 17:12*	*1*
2-Fluorobiphenyl	*71*		*30 - 130*	*07/28/11 15:55*	*07/29/11 17:12*	*1*
Terphenyl-d14 (Surr)	*92*		*30 - 130*	*07/28/11 15:55*	*07/29/11 17:12*	*1*

Method: 8270C - Semivolatile Compounds (GC/MS)

Client Sample ID: B-125 (7-8)
Date Collected: 07/21/11 08:24
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-11
Matrix: Solid
Percent Solids: 80.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1
Acenaphthene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1
Anthracene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1
Benzo[a]anthracene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1
Benzo[a]pyrene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1
Acenaphthylene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1
Benzo[b]fluoranthene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1
Benzo[g,h,i]perylene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1
Benzo[k]fluoranthene	ND		220		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1
Chrysene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1
Dibenz(a,h)anthracene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1
Fluoranthene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1
Fluorene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1
Indeno[1,2,3-cd]pyrene	ND		410		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1
Naphthalene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1
Phenanthrene	**260**		200		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1
Pyrene	ND		200		ug/Kg	☼	07/28/11 15:55	07/29/11 17:42	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*71*		*30 - 130*	*07/28/11 15:55*	*07/29/11 17:42*	*1*
2-Fluorobiphenyl	*67*		*30 - 130*	*07/28/11 15:55*	*07/29/11 17:42*	*1*
Terphenyl-d14 (Surr)	*93*		*30 - 130*	*07/28/11 15:55*	*07/29/11 17:42*	*1*

Client Sample ID: HA-131 (1-2)
Date Collected: 07/21/11 08:40
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-12
Matrix: Solid
Percent Solids: 86.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		950		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5
Acenaphthene	ND		950		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5
Anthracene	ND		950		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5
Benzo[a]anthracene	**2400**		950		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5
Benzo[a]pyrene	**2200**		950		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5
Acenaphthylene	ND		950		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5
Benzo[b]fluoranthene	**2900**		950		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5
Benzo[g,h,i]perylene	ND		950		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5
Benzo[k]fluoranthene	**1500**		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5
Chrysene	**2100**		950		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5
Dibenz(a,h)anthracene	ND		950		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5
Fluoranthene	**4400**		950		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5
Fluorene	ND		950		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5
Indeno[1,2,3-cd]pyrene	ND		1900		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5
Naphthalene	ND		950		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5
Phenanthrene	**2700**		950		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5
Pyrene	**4600**		950		ug/Kg	☼	07/28/11 15:55	07/29/11 18:13	5

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*55*		*30 - 130*	*07/28/11 15:55*	*07/29/11 18:13*	*5*
2-Fluorobiphenyl	*55*		*30 - 130*	*07/28/11 15:55*	*07/29/11 18:13*	*5*
Terphenyl-d14 (Surr)	*70*		*30 - 130*	*07/28/11 15:55*	*07/29/11 18:13*	*5*

Method: 8270C - Semivolatile Compounds (GC/MS)

Client Sample ID: B-129 (3.5-4.5)
Date Collected: 07/21/11 12:15
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-13
Matrix: Solid
Percent Solids: 82.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5
Acenaphthene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5
Anthracene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5
Benzo[a]anthracene	**1100**		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5
Benzo[a]pyrene	**1100**		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5
Acenaphthylene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5
Benzo[b]fluoranthene	**1500**		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5
Benzo[g,h,i]perylene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5
Benzo[k]fluoranthene	ND		1100		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5
Chrysene	**1100**		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5
Dibenz(a,h)anthracene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5
Fluoranthene	**2000**		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5
Fluorene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5
Indeno[1,2,3-cd]pyrene	ND		2000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5
Naphthalene	ND		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5
Phenanthrene	**1500**		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5
Pyrene	**2200**		1000		ug/Kg	☼	07/28/11 15:55	07/29/11 18:44	5

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*65*		*30 - 130*	*07/28/11 15:55*	*07/29/11 18:44*	*5*
2-Fluorobiphenyl	*62*		*30 - 130*	*07/28/11 15:55*	*07/29/11 18:44*	*5*
Terphenyl-d14 (Surr)	*81*		*30 - 130*	*07/28/11 15:55*	*07/29/11 18:44*	*5*

Client Sample ID: B-128 (1-2)
Date Collected: 07/21/11 12:45
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-16
Matrix: Solid
Percent Solids: 92.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1
Acenaphthene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1
Anthracene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1
Benzo[a]anthracene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1
Benzo[a]pyrene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1
Acenaphthylene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1
Benzo[b]fluoranthene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1
Benzo[g,h,i]perylene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1
Benzo[k]fluoranthene	ND		190		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1
Chrysene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1
Dibenz(a,h)anthracene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1
Fluoranthene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1
Fluorene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1
Indeno[1,2,3-cd]pyrene	ND		360		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1
Naphthalene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1
Phenanthrene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1
Pyrene	ND		180		ug/Kg	☼	07/28/11 15:55	07/29/11 19:14	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*51*		*30 - 130*	*07/28/11 15:55*	*07/29/11 19:14*	*1*
2-Fluorobiphenyl	*51*		*30 - 130*	*07/28/11 15:55*	*07/29/11 19:14*	*1*
Terphenyl-d14 (Surr)	*70*		*30 - 130*	*07/28/11 15:55*	*07/29/11 19:14*	*1*

Method: 8270C - Semivolatile Compounds (GC/MS)

Client Sample ID: EB-1
Date Collected: 07/21/11 16:00
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-20
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1
Acenaphthene	ND		5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1
Anthracene	ND		5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1
Benzo[a]anthracene	ND		5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1
Benzo[a]pyrene	ND		5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1
Acenaphthylene	ND		5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1
Benzo[b]fluoranthene	ND		5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1
Benzo[g,h,i]perylene	ND		5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1
Benzo[k]fluoranthene	ND	*	5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1
Chrysene	ND		5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1
Dibenz(a,h)anthracene	ND		5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1
Fluoranthene	ND		5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1
Fluorene	ND		5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1
Indeno[1,2,3-cd]pyrene	ND		5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1
Naphthalene	ND		5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1
Phenanthrene	ND		5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1
Pyrene	ND		5.9		ug/L		07/25/11 18:02	07/27/11 17:13	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*67*		*30 - 130*	*07/25/11 18:02*	*07/27/11 17:13*	*1*
2-Fluorobiphenyl	*64*		*30 - 130*	*07/25/11 18:02*	*07/27/11 17:13*	*1*
Terphenyl-d14 (Surr)	*88*		*30 - 130*	*07/25/11 18:02*	*07/27/11 17:13*	*1*

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Client Sample ID: B-115 (2-3)
Date Collected: 07/21/11 09:00
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-1
Matrix: Solid
Percent Solids: 84.7

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	150		3.9		mg/Kg	☼	07/28/11 16:18	07/29/11 18:23	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*50 - 105*	*07/28/11 16:18*	*07/29/11 18:23*	*1*

Client Sample ID: B-116 (1.5-3)
Date Collected: 07/21/11 09:11
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-2
Matrix: Solid
Percent Solids: 81.3

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	520		41		mg/Kg	☼	07/28/11 16:18	07/29/11 18:57	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*50 - 105*	*07/28/11 16:18*	*07/29/11 18:57*	*10*

Client Sample ID: B-117 (2.5-3.5)
Date Collected: 07/21/11 09:35
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-3
Matrix: Solid
Percent Solids: 88.5

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	370		37		mg/Kg	☼	07/28/11 16:18	07/29/11 19:32	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*50 - 105*	*07/28/11 16:18*	*07/29/11 19:32*	*10*

Client Sample ID: B-118 (1-2)
Date Collected: 07/21/11 09:41
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-4
Matrix: Solid
Percent Solids: 87.1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	540		3.8		mg/Kg	☼	07/28/11 16:18	07/29/11 20:06	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 105*	*07/28/11 16:18*	*07/29/11 20:06*	*1*

Client Sample ID: B-119 (3-4)
Date Collected: 07/21/11 09:47
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-5
Matrix: Solid
Percent Solids: 88.4

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	430		37		mg/Kg	☼	07/28/11 16:18	07/29/11 20:41	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*108*	*X*	*50 - 105*	*07/28/11 16:18*	*07/29/11 20:41*	*10*

Client Sample ID: B-120 (2.5-3.5)
Date Collected: 07/21/11 10:25
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-6
Matrix: Solid
Percent Solids: 86.8

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	470		37		mg/Kg	☼	07/28/11 16:18	07/29/11 21:16	10

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC) (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	96		50 - 105	07/28/11 16:18	07/29/11 21:16	10

Client Sample ID: B-121 (2.5-3.5) — **Lab Sample ID: 360-35298-7**
Date Collected: 07/21/11 10:08 — **Matrix: Solid**
Date Received: 07/22/11 10:00 — **Percent Solids: 88.4**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	140		37		mg/Kg	☼	07/28/11 16:18	07/29/11 21:50	10

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 105	07/28/11 16:18	07/29/11 21:50	10

Client Sample ID: B-122 (2-3) — **Lab Sample ID: 360-35298-8**
Date Collected: 07/21/11 08:52 — **Matrix: Solid**
Date Received: 07/22/11 10:00 — **Percent Solids: 82.5**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	82		4.0		mg/Kg	☼	07/28/11 16:18	07/29/11 22:25	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	79		50 - 105	07/28/11 16:18	07/29/11 22:25	1

Client Sample ID: B-123 (3-4) — **Lab Sample ID: 360-35298-9**
Date Collected: 07/21/11 07:14 — **Matrix: Solid**
Date Received: 07/22/11 10:00 — **Percent Solids: 86.2**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	9.6		3.8		mg/Kg	☼	07/28/11 16:18	07/29/11 23:00	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 105	07/28/11 16:18	07/29/11 23:00	1

Client Sample ID: B-124 (3-4) — **Lab Sample ID: 360-35298-10**
Date Collected: 07/21/11 07:40 — **Matrix: Solid**
Date Received: 07/22/11 10:00 — **Percent Solids: 92.4**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	110		35		mg/Kg	☼	07/29/11 02:29	07/29/11 23:34	10

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	101		50 - 105	07/29/11 02:29	07/29/11 23:34	10

Client Sample ID: B-125 (7-8) — **Lab Sample ID: 360-35298-11**
Date Collected: 07/21/11 08:24 — **Matrix: Solid**
Date Received: 07/22/11 10:00 — **Percent Solids: 80.6**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	3500		40		mg/Kg	☼	07/29/11 02:29	07/30/11 00:09	10

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	98		50 - 105	07/29/11 02:29	07/30/11 00:09	10

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Client Sample ID: HA-131 (1-2)
Date Collected: 07/21/11 08:40
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-12
Matrix: Solid
Percent Solids: 86.4

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	260		38		mg/Kg	☼	07/29/11 02:29	07/30/11 00:44	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*50 - 105*	*07/29/11 02:29*	*07/30/11 00:44*	*10*

Client Sample ID: B-129 (3.5-4.5)
Date Collected: 07/21/11 12:15
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-13
Matrix: Solid
Percent Solids: 82.7

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	330		39		mg/Kg	☼	07/29/11 02:29	07/30/11 01:18	10

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 105*	*07/29/11 02:29*	*07/30/11 01:18*	*10*

Client Sample ID: B-128 (1-2)
Date Collected: 07/21/11 12:45
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-16
Matrix: Solid
Percent Solids: 92.2

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	34		3.5		mg/Kg	☼	07/29/11 02:29	07/30/11 01:53	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 105*	*07/29/11 02:29*	*07/30/11 01:53*	*1*

Client Sample ID: EB-1
Date Collected: 07/21/11 16:00
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-20
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	ND		0.10		mg/L		07/26/11 14:43	07/28/11 00:00	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*108*		*50 - 127*	*07/26/11 14:43*	*07/28/11 00:00*	*1*

Method: 6010B - Metals (ICP)

Client Sample ID: B-115 (2-3)
Date Collected: 07/21/11 09:00
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-1
Matrix: Solid
Percent Solids: 84.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11		1.5		mg/Kg	☼	07/25/11 08:31	07/25/11 16:04	1
Lead	550		0.76		mg/Kg	☼	07/25/11 08:31	07/25/11 16:04	1
Copper	1200		1.5		mg/Kg	☼	07/25/11 08:31	07/25/11 16:04	1
Antimony	14		0.76		mg/Kg	☼	07/25/11 08:31	07/25/11 16:04	1

Client Sample ID: B-116 (1.5-3)
Date Collected: 07/21/11 09:11
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-2
Matrix: Solid
Percent Solids: 81.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	22		1.5		mg/Kg	☼	07/25/11 08:31	07/25/11 16:25	1
Lead	1000		0.73		mg/Kg	☼	07/25/11 08:31	07/25/11 16:25	1
Copper	1400		1.5		mg/Kg	☼	07/25/11 08:31	07/25/11 16:25	1
Antimony	35		0.73		mg/Kg	☼	07/25/11 08:31	07/25/11 16:25	1

Client Sample ID: B-117 (2.5-3.5)
Date Collected: 07/21/11 09:35
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-3
Matrix: Solid
Percent Solids: 88.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.9		1.2		mg/Kg	☼	07/25/11 08:31	07/25/11 16:28	1
Lead	260		0.60		mg/Kg	☼	07/25/11 08:31	07/25/11 16:28	1
Copper	540		1.2		mg/Kg	☼	07/25/11 08:31	07/25/11 16:28	1
Antimony	12		0.60		mg/Kg	☼	07/25/11 08:31	07/25/11 16:28	1

Client Sample ID: B-118 (1-2)
Date Collected: 07/21/11 09:41
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-4
Matrix: Solid
Percent Solids: 87.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17		7.0		mg/Kg	☼	07/25/11 08:31	07/25/11 17:33	5
Lead	1700		3.5		mg/Kg	☼	07/25/11 08:31	07/25/11 17:33	5
Copper	8500		7.0		mg/Kg	☼	07/25/11 08:31	07/25/11 17:33	5
Antimony	63		3.5		mg/Kg	☼	07/25/11 08:31	07/25/11 17:33	5

Client Sample ID: B-119 (3-4)
Date Collected: 07/21/11 09:47
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-5
Matrix: Solid
Percent Solids: 88.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.6		1.3		mg/Kg	☼	07/25/11 08:31	07/25/11 16:34	1
Lead	630		0.64		mg/Kg	☼	07/25/11 08:31	07/25/11 16:34	1
Copper	480		1.3		mg/Kg	☼	07/25/11 08:31	07/25/11 16:34	1
Antimony	16		0.64		mg/Kg	☼	07/25/11 08:31	07/25/11 16:34	1

Method: 6010B - Metals (ICP)

Client Sample ID: B-120 (2.5-3.5)
Date Collected: 07/21/11 10:25
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-6
Matrix: Solid
Percent Solids: 86.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15		1.2		mg/Kg	☼	07/25/11 08:31	07/25/11 16:37	1
Lead	660		0.60		mg/Kg	☼	07/25/11 08:31	07/25/11 16:37	1
Copper	1400		1.2		mg/Kg	☼	07/25/11 08:31	07/25/11 16:37	1
Antimony	9.5		0.60		mg/Kg	☼	07/25/11 08:31	07/25/11 16:37	1

Client Sample ID: B-121 (2.5-3.5)
Date Collected: 07/21/11 10:08
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-7
Matrix: Solid
Percent Solids: 88.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.5		1.5		mg/Kg	☼	07/25/11 08:31	07/25/11 16:40	1
Lead	210		0.73		mg/Kg	☼	07/25/11 08:31	07/25/11 16:40	1
Copper	330		1.5		mg/Kg	☼	07/25/11 08:31	07/25/11 16:40	1
Antimony	2.6		0.73		mg/Kg	☼	07/25/11 08:31	07/25/11 16:40	1

Client Sample ID: B-122 (2-3)
Date Collected: 07/21/11 08:52
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-8
Matrix: Solid
Percent Solids: 82.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14		2.9		mg/Kg	☼	07/25/11 08:31	07/25/11 17:42	2
Lead	1400		1.4		mg/Kg	☼	07/25/11 08:31	07/25/11 17:42	2
Copper	4400		2.9		mg/Kg	☼	07/25/11 08:31	07/25/11 17:42	2
Antimony	ND		1.4		mg/Kg	☼	07/25/11 08:31	07/25/11 17:42	2

Client Sample ID: B-123 (3-4)
Date Collected: 07/21/11 07:14
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-9
Matrix: Solid
Percent Solids: 86.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.6		1.5		mg/Kg	☼	07/25/11 08:31	07/25/11 16:46	1
Lead	79		0.74		mg/Kg	☼	07/25/11 08:31	07/25/11 16:46	1
Copper	36		1.5		mg/Kg	☼	07/25/11 08:31	07/25/11 16:46	1
Antimony	ND		0.74		mg/Kg	☼	07/25/11 08:31	07/25/11 16:46	1

Client Sample ID: B-124 (3-4)
Date Collected: 07/21/11 07:40
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-10
Matrix: Solid
Percent Solids: 92.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1		1.4		mg/Kg	☼	07/25/11 08:31	07/25/11 16:48	1
Lead	16		0.69		mg/Kg	☼	07/25/11 08:31	07/25/11 16:48	1
Copper	25		1.4		mg/Kg	☼	07/25/11 08:31	07/25/11 16:48	1
Antimony	ND		0.69		mg/Kg	☼	07/25/11 08:31	07/25/11 16:48	1

Method: 6010B - Metals (ICP)

Client Sample ID: B-125 (7-8)
Date Collected: 07/21/11 08:24
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-11
Matrix: Solid
Percent Solids: 80.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11		1.4		mg/Kg	☼	07/25/11 08:31	07/25/11 16:51	1
Lead	7.3		0.69		mg/Kg	☼	07/25/11 08:31	07/25/11 16:51	1
Copper	19		1.4		mg/Kg	☼	07/25/11 08:31	07/25/11 16:51	1
Antimony	ND		0.69		mg/Kg	☼	07/25/11 08:31	07/25/11 16:51	1

Client Sample ID: HA-131 (1-2)
Date Collected: 07/21/11 08:40
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-12
Matrix: Solid
Percent Solids: 86.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	62		1.4		mg/Kg	☼	07/25/11 08:31	07/25/11 17:00	1
Lead	140		0.71		mg/Kg	☼	07/25/11 08:31	07/25/11 17:00	1
Copper	280		1.4		mg/Kg	☼	07/25/11 08:31	07/25/11 17:00	1
Antimony	ND		0.71		mg/Kg	☼	07/25/11 08:31	07/25/11 17:00	1

Client Sample ID: B-129 (3.5-4.5)
Date Collected: 07/21/11 12:15
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-13
Matrix: Solid
Percent Solids: 82.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	80		1.5		mg/Kg	☼	07/25/11 08:31	07/25/11 17:03	1
Lead	130		0.77		mg/Kg	☼	07/25/11 08:31	07/25/11 17:03	1
Copper	120		1.5		mg/Kg	☼	07/25/11 08:31	07/25/11 17:03	1
Antimony	ND		0.77		mg/Kg	☼	07/25/11 08:31	07/25/11 17:03	1

Client Sample ID: B-128 (1-2)
Date Collected: 07/21/11 12:45
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-16
Matrix: Solid
Percent Solids: 92.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.7		1.3		mg/Kg	☼	07/25/11 08:31	07/25/11 17:06	1
Lead	120		0.65		mg/Kg	☼	07/25/11 08:31	07/25/11 17:06	1
Copper	240		1.3		mg/Kg	☼	07/25/11 08:31	07/25/11 17:06	1
Antimony	4.8		0.65		mg/Kg	☼	07/25/11 08:31	07/25/11 17:06	1

Client Sample ID: EB-1
Date Collected: 07/21/11 16:00
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-20
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		5.0		ug/L		07/28/11 08:25	07/28/11 15:26	1
Antimony	ND		6.0		ug/L		07/28/11 08:25	07/28/11 15:26	1
Arsenic	ND		10		ug/L		07/28/11 08:25	07/28/11 15:26	1
Copper	ND		10		ug/L		07/28/11 08:25	07/28/11 15:26	1

Method: 6010B - Metals (ICP) - SPLP East

Client Sample ID: B-115 (2-3)
Date Collected: 07/21/11 09:00
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015		0.015		mg/L		07/27/11 12:57	07/28/11 12:22	1
Antimony	0.023		0.015		mg/L		07/27/11 12:57	07/28/11 12:22	1
Copper	3.4		0.010		mg/L		07/27/11 12:57	07/28/11 12:22	1
Lead	0.62		0.015		mg/L		07/27/11 12:57	07/28/11 12:22	1

Client Sample ID: B-116 (1.5-3)
Date Collected: 07/21/11 09:11
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/27/11 12:57	07/28/11 12:26	1
Antimony	0.032		0.015		mg/L		07/27/11 12:57	07/28/11 12:26	1
Copper	0.37		0.010		mg/L		07/27/11 12:57	07/28/11 12:26	1
Lead	0.30		0.015		mg/L		07/27/11 12:57	07/28/11 12:26	1

Client Sample ID: B-117 (2.5-3.5)
Date Collected: 07/21/11 09:35
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/27/11 12:57	07/28/11 12:29	1
Antimony	0.33		0.015		mg/L		07/27/11 12:57	07/28/11 12:29	1
Copper	1.9		0.010		mg/L		07/27/11 12:57	07/28/11 12:29	1
Lead	1.6		0.015		mg/L		07/27/11 12:57	07/28/11 12:29	1

Client Sample ID: B-118 (1-2)
Date Collected: 07/21/11 09:41
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.034		0.015		mg/L		07/27/11 12:57	07/28/11 12:32	1
Antimony	0.61		0.015		mg/L		07/27/11 12:57	07/28/11 12:32	1
Copper	1.6		0.010		mg/L		07/27/11 12:57	07/28/11 12:32	1
Lead	4.4		0.015		mg/L		07/27/11 12:57	07/28/11 12:32	1

Client Sample ID: B-119 (3-4)
Date Collected: 07/21/11 09:47
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.020		0.015		mg/L		07/27/11 12:57	07/28/11 12:35	1
Antimony	0.10		0.015		mg/L		07/27/11 12:57	07/28/11 12:35	1
Copper	1.3		0.010		mg/L		07/27/11 12:57	07/28/11 12:35	1
Lead	1.7		0.015		mg/L		07/27/11 12:57	07/28/11 12:35	1

Method: 6010B - Metals (ICP) - SPLP East

Client Sample ID: B-120 (2.5-3.5)
Date Collected: 07/21/11 10:25
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/27/11 12:57	07/28/11 12:38	1
Antimony	**0.060**		0.015		mg/L		07/27/11 12:57	07/28/11 12:38	1
Copper	**1.4**		0.010		mg/L		07/27/11 12:57	07/28/11 12:38	1
Lead	**0.42**		0.015		mg/L		07/27/11 12:57	07/28/11 12:38	1

Client Sample ID: B-121 (2.5-3.5)
Date Collected: 07/21/11 10:08
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/27/11 12:57	07/28/11 12:41	1
Antimony	ND		0.015		mg/L		07/27/11 12:57	07/28/11 12:41	1
Copper	**0.011**		0.010		mg/L		07/27/11 12:57	07/28/11 12:41	1
Lead	ND		0.015		mg/L		07/27/11 12:57	07/28/11 12:41	1

Client Sample ID: B-122 (2-3)
Date Collected: 07/21/11 08:52
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/27/11 12:57	07/28/11 12:51	1
Antimony	**0.043**		0.015		mg/L		07/27/11 12:57	07/28/11 12:51	1
Copper	**1.5**		0.010		mg/L		07/27/11 12:57	07/28/11 12:51	1
Lead	**0.75**		0.015		mg/L		07/27/11 12:57	07/28/11 12:51	1

Client Sample ID: B-123 (3-4)
Date Collected: 07/21/11 07:14
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/27/11 12:57	07/28/11 12:54	1
Antimony	ND		0.015		mg/L		07/27/11 12:57	07/28/11 12:54	1
Copper	ND		0.010		mg/L		07/27/11 12:57	07/28/11 12:54	1
Lead	**0.024**		0.015		mg/L		07/27/11 12:57	07/28/11 12:54	1

Client Sample ID: B-124 (3-4)
Date Collected: 07/21/11 07:40
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-10
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/27/11 12:57	07/28/11 12:57	1
Antimony	**0.024**		0.015		mg/L		07/27/11 12:57	07/28/11 12:57	1
Copper	**0.073**		0.010		mg/L		07/27/11 12:57	07/28/11 12:57	1
Lead	**0.17**		0.015		mg/L		07/27/11 12:57	07/28/11 12:57	1

Method: 6010B - Metals (ICP) - SPLP East

Client Sample ID: B-125 (7-8)
Date Collected: 07/21/11 08:24
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-11
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/27/11 12:57	07/28/11 13:00	1
Antimony	ND		0.015		mg/L		07/27/11 12:57	07/28/11 13:00	1
Copper	**0.057**		0.010		mg/L		07/27/11 12:57	07/28/11 13:00	1
Lead	ND		0.015		mg/L		07/27/11 12:57	07/28/11 13:00	1

Client Sample ID: HA-131 (1-2)
Date Collected: 07/21/11 08:40
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-12
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/27/11 12:57	07/28/11 13:03	1
Antimony	ND		0.015		mg/L		07/27/11 12:57	07/28/11 13:03	1
Copper	**0.66**		0.010		mg/L		07/27/11 12:57	07/28/11 13:03	1
Lead	**0.13**		0.015		mg/L		07/27/11 12:57	07/28/11 13:03	1

Client Sample ID: B-129 (3.5-4.5)
Date Collected: 07/21/11 12:15
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-13
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.024**		0.015		mg/L		07/27/11 12:57	07/28/11 13:06	1
Antimony	ND		0.015		mg/L		07/27/11 12:57	07/28/11 13:06	1
Copper	**0.11**		0.010		mg/L		07/27/11 12:57	07/28/11 13:06	1
Lead	**0.061**		0.015		mg/L		07/27/11 12:57	07/28/11 13:06	1

Client Sample ID: B-128 (1-2)
Date Collected: 07/21/11 12:45
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-16
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/27/11 12:57	07/28/11 13:09	1
Antimony	**0.044**		0.015		mg/L		07/27/11 12:57	07/28/11 13:09	1
Copper	**0.25**		0.010		mg/L		07/27/11 12:57	07/28/11 13:09	1
Lead	**0.17**		0.015		mg/L		07/27/11 12:57	07/28/11 13:09	1

General Chemistry

Client Sample ID: B-115 (2-3) — **Lab Sample ID: 360-35298-1**
Date Collected: 07/21/11 09:00 — **Matrix: Solid**
Date Received: 07/22/11 10:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0		%			07/22/11 14:29	1
Percent Solids	85		1.0		%			07/22/11 14:29	1

Client Sample ID: B-116 (1.5-3) — **Lab Sample ID: 360-35298-2**
Date Collected: 07/21/11 09:11 — **Matrix: Solid**
Date Received: 07/22/11 10:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0		%			07/22/11 14:29	1
Percent Solids	81		1.0		%			07/22/11 14:29	1

Client Sample ID: B-117 (2.5-3.5) — **Lab Sample ID: 360-35298-3**
Date Collected: 07/21/11 09:35 — **Matrix: Solid**
Date Received: 07/22/11 10:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0		%			07/22/11 14:29	1
Percent Solids	88		1.0		%			07/22/11 14:29	1

Client Sample ID: B-118 (1-2) — **Lab Sample ID: 360-35298-4**
Date Collected: 07/21/11 09:41 — **Matrix: Solid**
Date Received: 07/22/11 10:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0		%			07/22/11 14:29	1
Percent Solids	87		1.0		%			07/22/11 14:29	1

Client Sample ID: B-119 (3-4) — **Lab Sample ID: 360-35298-5**
Date Collected: 07/21/11 09:47 — **Matrix: Solid**
Date Received: 07/22/11 10:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0		%			07/22/11 14:29	1
Percent Solids	88		1.0		%			07/22/11 14:29	1

Client Sample ID: B-120 (2.5-3.5) — **Lab Sample ID: 360-35298-6**
Date Collected: 07/21/11 10:25 — **Matrix: Solid**
Date Received: 07/22/11 10:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0		%			07/22/11 14:29	1
Percent Solids	87		1.0		%			07/22/11 14:29	1

Client Sample ID: B-121 (2.5-3.5) — **Lab Sample ID: 360-35298-7**
Date Collected: 07/21/11 10:08 — **Matrix: Solid**
Date Received: 07/22/11 10:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0		%			07/22/11 14:29	1

General Chemistry (Continued)

Client Sample ID: B-121 (2.5-3.5) **Lab Sample ID: 360-35298-7**
Date Collected: 07/21/11 10:08 **Matrix: Solid**
Date Received: 07/22/11 10:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88		1.0		%			07/22/11 14:29	1

Client Sample ID: B-122 (2-3) **Lab Sample ID: 360-35298-8**
Date Collected: 07/21/11 08:52 **Matrix: Solid**
Date Received: 07/22/11 10:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0		%			07/22/11 14:29	1
Percent Solids	82		1.0		%			07/22/11 14:29	1

Client Sample ID: B-123 (3-4) **Lab Sample ID: 360-35298-9**
Date Collected: 07/21/11 07:14 **Matrix: Solid**
Date Received: 07/22/11 10:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0		%			07/22/11 14:29	1
Percent Solids	86		1.0		%			07/22/11 14:29	1

Client Sample ID: B-124 (3-4) **Lab Sample ID: 360-35298-10**
Date Collected: 07/21/11 07:40 **Matrix: Solid**
Date Received: 07/22/11 10:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.6		1.0		%			07/22/11 14:29	1
Percent Solids	92		1.0		%			07/22/11 14:29	1

Client Sample ID: B-125 (7-8) **Lab Sample ID: 360-35298-11**
Date Collected: 07/21/11 08:24 **Matrix: Solid**
Date Received: 07/22/11 10:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0		%			07/22/11 14:29	1
Percent Solids	81		1.0		%			07/22/11 14:29	1

Client Sample ID: HA-131 (1-2) **Lab Sample ID: 360-35298-12**
Date Collected: 07/21/11 08:40 **Matrix: Solid**
Date Received: 07/22/11 10:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0		%			07/22/11 14:29	1
Percent Solids	86		1.0		%			07/22/11 14:29	1

Client Sample ID: B-129 (3.5-4.5) **Lab Sample ID: 360-35298-13**
Date Collected: 07/21/11 12:15 **Matrix: Solid**
Date Received: 07/22/11 10:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0		%			07/22/11 14:29	1
Percent Solids	83		1.0		%			07/22/11 14:29	1

General Chemistry

Client Sample ID: B-129 (3')
Date Collected: 07/21/11 12:20
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-14
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0		%			07/22/11 14:29	1
Percent Solids	87		1.0		%			07/22/11 14:29	1

Client Sample ID: B-129 (8')
Date Collected: 07/21/11 12:25
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-15
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		1.0		%			07/22/11 14:29	1
Percent Solids	79		1.0		%			07/22/11 14:29	1

Client Sample ID: B-128 (1-2)
Date Collected: 07/21/11 12:45
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-16
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.8		1.0		%			07/22/11 14:29	1
Percent Solids	92		1.0		%			07/22/11 14:29	1

Client Sample ID: B-128 (3')
Date Collected: 07/21/11 12:50
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-17
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.7		1.0		%			07/22/11 14:29	1
Percent Solids	92		1.0		%			07/22/11 14:29	1

Client Sample ID: B-128 (8)
Date Collected: 07/21/11 13:00
Date Received: 07/22/11 10:00

Lab Sample ID: 360-35298-18
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0		%			07/22/11 14:29	1
Percent Solids	81		1.0		%			07/22/11 14:29	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	Duplicate RPD exceeds the control limit
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

GC/MS VOA

Prep Batch: 77464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 360-77464/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 360-77464/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 360-77464/3-A	Method Blank	Total/NA	Solid	5035	
360-35298-15	B-129 (8')	Total/NA	Solid	5035	
360-35298-17	B-128 (3')	Total/NA	Solid	5035	
360-35298-18	B-128 (8)	Total/NA	Solid	5035	

Analysis Batch: 77466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 360-77464/1-A	Lab Control Sample	Total/NA	Solid	8260B	77464
LCSD 360-77464/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	77464
MB 360-77464/3-A	Method Blank	Total/NA	Solid	8260B	77464
360-35298-15	B-129 (8')	Total/NA	Solid	8260B	77464
360-35298-17	B-128 (3')	Total/NA	Solid	8260B	77464
360-35298-18	B-128 (8)	Total/NA	Solid	8260B	77464

Analysis Batch: 77478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 360-77478/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 360-77478/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 360-77478/6	Method Blank	Total/NA	Water	8260B	
360-35298-19	TB-1	Total/NA	Water	8260B	
360-35298-20	EB-1	Total/NA	Water	8260B	

Analysis Batch: 77576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 360-77635/1-A	Lab Control Sample	Total/NA	Solid	8260B	77635
LCSD 360-77635/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	77635
MB 360-77635/3-A	Method Blank	Total/NA	Solid	8260B	77635
360-35298-14	B-129 (3')	Total/NA	Solid	8260B	77635

Prep Batch: 77635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 360-77635/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 360-77635/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 360-77635/3-A	Method Blank	Total/NA	Solid	5035	
360-35298-14	B-129 (3')	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 77461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 360-77461/1-A	Method Blank	Total/NA	Water	3510C	
LCS 360-77461/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 360-77461/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
360-35298-20	EB-1	Total/NA	Water	3510C	

Analysis Batch: 77595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 360-77461/1-A	Method Blank	Total/NA	Water	8270C	77461
LCS 360-77461/2-A	Lab Control Sample	Total/NA	Water	8270C	77461
LCSD 360-77461/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	77461

GC/MS Semi VOA (Continued)

Analysis Batch: 77595 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35298-20	EB-1	Total/NA	Water	8270C	77461

Prep Batch: 77693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 360-77693/1-A	Method Blank	Total/NA	Solid	3546	
LCS 360-77693/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 360-77693/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
360-35298-1	B-115 (2-3)	Total/NA	Solid	3546	
360-35298-2	B-116 (1.5-3)	Total/NA	Solid	3546	
360-35298-3	B-117 (2.5-3.5)	Total/NA	Solid	3546	
360-35298-4	B-118 (1-2)	Total/NA	Solid	3546	
360-35298-5	B-119 (3-4)	Total/NA	Solid	3546	
360-35298-6	B-120 (2.5-3.5)	Total/NA	Solid	3546	
360-35298-7	B-121 (2.5-3.5)	Total/NA	Solid	3546	
360-35298-8	B-122 (2-3)	Total/NA	Solid	3546	
360-35298-9	B-123 (3-4)	Total/NA	Solid	3546	
360-35298-10	B-124 (3-4)	Total/NA	Solid	3546	
360-35298-11	B-125 (7-8)	Total/NA	Solid	3546	
360-35298-12	HA-131 (1-2)	Total/NA	Solid	3546	
360-35298-13	B-129 (3.5-4.5)	Total/NA	Solid	3546	
360-35298-16	B-128 (1-2)	Total/NA	Solid	3546	

Analysis Batch: 77722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 360-77693/1-A	Method Blank	Total/NA	Solid	8270C	77693
LCS 360-77693/2-A	Lab Control Sample	Total/NA	Solid	8270C	77693
LCSD 360-77693/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	77693
360-35298-1	B-115 (2-3)	Total/NA	Solid	8270C	77693
360-35298-2	B-116 (1.5-3)	Total/NA	Solid	8270C	77693
360-35298-3	B-117 (2.5-3.5)	Total/NA	Solid	8270C	77693
360-35298-4	B-118 (1-2)	Total/NA	Solid	8270C	77693
360-35298-5	B-119 (3-4)	Total/NA	Solid	8270C	77693
360-35298-6	B-120 (2.5-3.5)	Total/NA	Solid	8270C	77693

Analysis Batch: 77765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35298-7	B-121 (2.5-3.5)	Total/NA	Solid	8270C	77693
360-35298-8	B-122 (2-3)	Total/NA	Solid	8270C	77693
360-35298-9	B-123 (3-4)	Total/NA	Solid	8270C	77693
360-35298-10	B-124 (3-4)	Total/NA	Solid	8270C	77693
360-35298-11	B-125 (7-8)	Total/NA	Solid	8270C	77693
360-35298-12	HA-131 (1-2)	Total/NA	Solid	8270C	77693
360-35298-13	B-129 (3.5-4.5)	Total/NA	Solid	8270C	77693
360-35298-16	B-128 (1-2)	Total/NA	Solid	8270C	77693

GC Semi VOA

Prep Batch: 77519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 360-77519/1-A	Method Blank	Total/NA	Water	3510C	
LCS 360-77519/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 360-77519/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 77519 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35298-20	EB-1	Total/NA	Water	3510C	

Analysis Batch: 77618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 360-77519/1-A	Method Blank	Total/NA	Water	CT ETPH	77519
LCS 360-77519/2-A	Lab Control Sample	Total/NA	Water	CT ETPH	77519
LCSD 360-77519/3-A	Lab Control Sample Dup	Total/NA	Water	CT ETPH	77519
360-35298-20	EB-1	Total/NA	Water	CT ETPH	77519

Prep Batch: 77698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 360-77698/1-A	Method Blank	Total/NA	Solid	3546	
LCS 360-77698/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 360-77698/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
360-35298-1	B-115 (2-3)	Total/NA	Solid	3546	
360-35298-2	B-116 (1.5-3)	Total/NA	Solid	3546	
360-35298-3	B-117 (2.5-3.5)	Total/NA	Solid	3546	
360-35298-4	B-118 (1-2)	Total/NA	Solid	3546	
360-35298-5	B-119 (3-4)	Total/NA	Solid	3546	
360-35298-6	B-120 (2.5-3.5)	Total/NA	Solid	3546	
360-35298-7	B-121 (2.5-3.5)	Total/NA	Solid	3546	
360-35298-8	B-122 (2-3)	Total/NA	Solid	3546	
360-35298-9	B-123 (3-4)	Total/NA	Solid	3546	
360-35298-10	B-124 (3-4)	Total/NA	Solid	3546	
360-35298-11	B-125 (7-8)	Total/NA	Solid	3546	
360-35298-12	HA-131 (1-2)	Total/NA	Solid	3546	
360-35298-13	B-129 (3.5-4.5)	Total/NA	Solid	3546	
360-35298-16	B-128 (1-2)	Total/NA	Solid	3546	

Analysis Batch: 77745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 360-77698/1-A	Method Blank	Total/NA	Solid	CT ETPH	77698
LCS 360-77698/2-A	Lab Control Sample	Total/NA	Solid	CT ETPH	77698
LCSD 360-77698/3-A	Lab Control Sample Dup	Total/NA	Solid	CT ETPH	77698
360-35298-1	B-115 (2-3)	Total/NA	Solid	CT ETPH	77698
360-35298-2	B-116 (1.5-3)	Total/NA	Solid	CT ETPH	77698
360-35298-3	B-117 (2.5-3.5)	Total/NA	Solid	CT ETPH	77698
360-35298-4	B-118 (1-2)	Total/NA	Solid	CT ETPH	77698
360-35298-5	B-119 (3-4)	Total/NA	Solid	CT ETPH	77698
360-35298-6	B-120 (2.5-3.5)	Total/NA	Solid	CT ETPH	77698
360-35298-7	B-121 (2.5-3.5)	Total/NA	Solid	CT ETPH	77698
360-35298-8	B-122 (2-3)	Total/NA	Solid	CT ETPH	77698
360-35298-9	B-123 (3-4)	Total/NA	Solid	CT ETPH	77698
360-35298-10	B-124 (3-4)	Total/NA	Solid	CT ETPH	77698
360-35298-11	B-125 (7-8)	Total/NA	Solid	CT ETPH	77698
360-35298-12	HA-131 (1-2)	Total/NA	Solid	CT ETPH	77698
360-35298-13	B-129 (3.5-4.5)	Total/NA	Solid	CT ETPH	77698
360-35298-16	B-128 (1-2)	Total/NA	Solid	CT ETPH	77698

QC Association Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 116 Cook

TestAmerica Job ID: 360-35298-1

Metals

Leach Batch: 53288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35298-1	B-115 (2-3)	SPLP East	Solid	1312	
360-35298-2	B-116 (1.5-3)	SPLP East	Solid	1312	
360-35298-3	B-117 (2.5-3.5)	SPLP East	Solid	1312	
360-35298-4	B-118 (1-2)	SPLP East	Solid	1312	
360-35298-5	B-119 (3-4)	SPLP East	Solid	1312	
360-35298-6	B-120 (2.5-3.5)	SPLP East	Solid	1312	
360-35298-7	B-121 (2.5-3.5)	SPLP East	Solid	1312	
360-35298-8	B-122 (2-3)	SPLP East	Solid	1312	
360-35298-9	B-123 (3-4)	SPLP East	Solid	1312	
360-35298-10	B-124 (3-4)	SPLP East	Solid	1312	
360-35298-11	B-125 (7-8)	SPLP East	Solid	1312	
360-35298-12	HA-131 (1-2)	SPLP East	Solid	1312	
360-35298-13	B-129 (3.5-4.5)	SPLP East	Solid	1312	
360-35298-16	B-128 (1-2)	SPLP East	Solid	1312	
LB 220-53288/19-B LB	Method Blank	SPLP East	Solid	1312	

Prep Batch: 53346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 220-53346/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 220-53346/2-A	Lab Control Sample	Total/NA	Solid	3010A	
LB 220-53288/19-B LB	Method Blank	SPLP East	Solid	3010A	53288
360-35298-1	B-115 (2-3)	SPLP East	Solid	3010A	53288
360-35298-2	B-116 (1.5-3)	SPLP East	Solid	3010A	53288
360-35298-3	B-117 (2.5-3.5)	SPLP East	Solid	3010A	53288
360-35298-4	B-118 (1-2)	SPLP East	Solid	3010A	53288
360-35298-5	B-119 (3-4)	SPLP East	Solid	3010A	53288
360-35298-6	B-120 (2.5-3.5)	SPLP East	Solid	3010A	53288
360-35298-7	B-121 (2.5-3.5)	SPLP East	Solid	3010A	53288
360-35298-8	B-122 (2-3)	SPLP East	Solid	3010A	53288
360-35298-9	B-123 (3-4)	SPLP East	Solid	3010A	53288
360-35298-10	B-124 (3-4)	SPLP East	Solid	3010A	53288
360-35298-11	B-125 (7-8)	SPLP East	Solid	3010A	53288
360-35298-12	HA-131 (1-2)	SPLP East	Solid	3010A	53288
360-35298-13	B-129 (3.5-4.5)	SPLP East	Solid	3010A	53288
360-35298-16	B-128 (1-2)	SPLP East	Solid	3010A	53288

Analysis Batch: 53397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 220-53346/1-A	Method Blank	Total/NA	Solid	6010B	53346
LCS 220-53346/2-A	Lab Control Sample	Total/NA	Solid	6010B	53346
LB 220-53288/19-B LB	Method Blank	SPLP East	Solid	6010B	53346
360-35298-1	B-115 (2-3)	SPLP East	Solid	6010B	53346
360-35298-2	B-116 (1.5-3)	SPLP East	Solid	6010B	53346
360-35298-3	B-117 (2.5-3.5)	SPLP East	Solid	6010B	53346
360-35298-4	B-118 (1-2)	SPLP East	Solid	6010B	53346
360-35298-5	B-119 (3-4)	SPLP East	Solid	6010B	53346
360-35298-6	B-120 (2.5-3.5)	SPLP East	Solid	6010B	53346
360-35298-7	B-121 (2.5-3.5)	SPLP East	Solid	6010B	53346
360-35298-8	B-122 (2-3)	SPLP East	Solid	6010B	53346
360-35298-9	B-123 (3-4)	SPLP East	Solid	6010B	53346
360-35298-10	B-124 (3-4)	SPLP East	Solid	6010B	53346
360-35298-11	B-125 (7-8)	SPLP East	Solid	6010B	53346

Metals (Continued)

Analysis Batch: 53397 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35298-12	HA-131 (1-2)	SPLP East	Solid	6010B	53346
360-35298-13	B-129 (3.5-4.5)	SPLP East	Solid	6010B	53346
360-35298-16	B-128 (1-2)	SPLP East	Solid	6010B	53346

Prep Batch: 77419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 360-77419/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 360-77419/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCDSRM 360-77419/3-A LCDSI	Lab Control Sample Dup	Total/NA	Solid	3050B	
360-35298-1	B-115 (2-3)	Total/NA	Solid	3050B	
360-35298-1 DU	B-115 (2-3)	Total/NA	Solid	3050B	
360-35298-1 MS	B-115 (2-3)	Total/NA	Solid	3050B	
360-35298-2	B-116 (1.5-3)	Total/NA	Solid	3050B	
360-35298-3	B-117 (2.5-3.5)	Total/NA	Solid	3050B	
360-35298-4	B-118 (1-2)	Total/NA	Solid	3050B	
360-35298-5	B-119 (3-4)	Total/NA	Solid	3050B	
360-35298-6	B-120 (2.5-3.5)	Total/NA	Solid	3050B	
360-35298-7	B-121 (2.5-3.5)	Total/NA	Solid	3050B	
360-35298-8	B-122 (2-3)	Total/NA	Solid	3050B	
360-35298-9	B-123 (3-4)	Total/NA	Solid	3050B	
360-35298-10	B-124 (3-4)	Total/NA	Solid	3050B	
360-35298-11	B-125 (7-8)	Total/NA	Solid	3050B	
360-35298-12	HA-131 (1-2)	Total/NA	Solid	3050B	
360-35298-13	B-129 (3.5-4.5)	Total/NA	Solid	3050B	
360-35298-16	B-128 (1-2)	Total/NA	Solid	3050B	

Analysis Batch: 77473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 360-77419/1-A	Method Blank	Total/NA	Solid	6010B	77419
LCSSRM 360-77419/2-A	Lab Control Sample	Total/NA	Solid	6010B	77419
LCDSRM 360-77419/3-A LCDSI	Lab Control Sample Dup	Total/NA	Solid	6010B	77419
360-35298-1	B-115 (2-3)	Total/NA	Solid	6010B	77419
360-35298-1 DU	B-115 (2-3)	Total/NA	Solid	6010B	77419
360-35298-1 MS	B-115 (2-3)	Total/NA	Solid	6010B	77419
360-35298-2	B-116 (1.5-3)	Total/NA	Solid	6010B	77419
360-35298-3	B-117 (2.5-3.5)	Total/NA	Solid	6010B	77419
360-35298-5	B-119 (3-4)	Total/NA	Solid	6010B	77419
360-35298-6	B-120 (2.5-3.5)	Total/NA	Solid	6010B	77419
360-35298-7	B-121 (2.5-3.5)	Total/NA	Solid	6010B	77419
360-35298-9	B-123 (3-4)	Total/NA	Solid	6010B	77419
360-35298-10	B-124 (3-4)	Total/NA	Solid	6010B	77419
360-35298-11	B-125 (7-8)	Total/NA	Solid	6010B	77419
360-35298-12	HA-131 (1-2)	Total/NA	Solid	6010B	77419
360-35298-13	B-129 (3.5-4.5)	Total/NA	Solid	6010B	77419
360-35298-16	B-128 (1-2)	Total/NA	Solid	6010B	77419
360-35298-4	B-118 (1-2)	Total/NA	Solid	6010B	77419
360-35298-8	B-122 (2-3)	Total/NA	Solid	6010B	77419

Prep Batch: 77628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 360-77628/1-A	Method Blank	Total/NA	Water	3010A	
LCS 360-77628/2-A	Lab Control Sample	Total/NA	Water	3010A	

Metals (Continued)

Prep Batch: 77628 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 360-77628/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
360-35298-20	EB-1	Total/NA	Water	3010A	
360-35298-20 DU	EB-1	Total/NA	Water	3010A	
360-35298-20 MS	EB-1	Total/NA	Water	3010A	

Analysis Batch: 77707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 360-77628/1-A	Method Blank	Total/NA	Water	6010B	77628
LCS 360-77628/2-A	Lab Control Sample	Total/NA	Water	6010B	77628
LCSD 360-77628/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	77628
360-35298-20	EB-1	Total/NA	Water	6010B	77628
360-35298-20 DU	EB-1	Total/NA	Water	6010B	77628
360-35298-20 MS	EB-1	Total/NA	Water	6010B	77628

General Chemistry

Analysis Batch: 77378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35298-18	B-128 (8)	Total/NA	Solid	Moisture	
360-35298-17	B-128 (3')	Total/NA	Solid	Moisture	
360-35298-14	B-129 (3')	Total/NA	Solid	Moisture	
360-35298-15	B-129 (8')	Total/NA	Solid	Moisture	
360-35298-16	B-128 (1-2)	Total/NA	Solid	Moisture	
360-35298-12	HA-131 (1-2)	Total/NA	Solid	Moisture	
360-35298-13	B-129 (3.5-4.5)	Total/NA	Solid	Moisture	
360-35298-10	B-124 (3-4)	Total/NA	Solid	Moisture	
360-35298-2	B-116 (1.5-3)	Total/NA	Solid	Moisture	
360-35298-6	B-120 (2.5-3.5)	Total/NA	Solid	Moisture	
360-35298-7	B-121 (2.5-3.5)	Total/NA	Solid	Moisture	
360-35298-8	B-122 (2-3)	Total/NA	Solid	Moisture	
360-35298-9	B-123 (3-4)	Total/NA	Solid	Moisture	
360-35298-1	B-115 (2-3)	Total/NA	Solid	Moisture	
360-35298-1 DU	B-115 (2-3)	Total/NA	Solid	Moisture	
360-35298-3	B-117 (2.5-3.5)	Total/NA	Solid	Moisture	
360-35298-4	B-118 (1-2)	Total/NA	Solid	Moisture	
360-35298-5	B-119 (3-4)	Total/NA	Solid	Moisture	
360-35298-11	B-125 (7-8)	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 116 Cook

TestAmerica Job ID: 360-35298-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
360-35298-14	B-129 (3')	96	106	104
360-35298-15	B-129 (8')	100	107	100
360-35298-17	B-128 (3')	102	110	101
360-35298-18	B-128 (8)	98	105	103
LCS 360-77464/1-A	Lab Control Sample	91	103	108
LCS 360-77635/1-A	Lab Control Sample	87	106	111
LCSD 360-77464/2-A	Lab Control Sample Dup	91	107	104
LCSD 360-77635/2-A	Lab Control Sample Dup	90	109	107
MB 360-77464/3-A	Method Blank	98	105	104
MB 360-77635/3-A	Method Blank	95	106	106

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
360-35298-19	TB-1	98	102	95
360-35298-20	EB-1	96	100	98
LCS 360-77478/3	Lab Control Sample	97	99	98
LCSD 360-77478/4	Lab Control Sample Dup	96	100	98
MB 360-77478/6	Method Blank	97	100	98

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270C - Semivolatile Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	FBP	TPH
Lab Sample ID	Client Sample ID	(30-130)	(30-130)	(30-130)
360-35298-1	B-115 (2-3)	54	65	71
360-35298-2	B-116 (1.5-3)	57	72	78
360-35298-3	B-117 (2.5-3.5)	50	61	74
360-35298-4	B-118 (1-2)	54	62	62
360-35298-5	B-119 (3-4)	52	68	77
360-35298-6	B-120 (2.5-3.5)	36	49	59
360-35298-7	B-121 (2.5-3.5)	57	59	78
360-35298-8	B-122 (2-3)	59	59	67
360-35298-9	B-123 (3-4)	59	57	80
360-35298-10	B-124 (3-4)	73	71	92
360-35298-11	B-125 (7-8)	71	67	93
360-35298-12	HA-131 (1-2)	55	55	70

Method: 8270C - Semivolatile Compounds (GC/MS) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	FBP	TPH
Lab Sample ID	Client Sample ID	(30-130)	(30-130)	(30-130)
360-35298-13	B-129 (3.5-4.5)	65	62	81
360-35298-16	B-128 (1-2)	51	51	70
LCS 360-77693/2-A	Lab Control Sample	58	65	58
LCSD 360-77693/3-A	Lab Control Sample Dup	57	65	58
MB 360-77693/1-A	Method Blank	67	69	64

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl
TPH = Terphenyl-d14 (Surr)

Method: 8270C - Semivolatile Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	FBP	TPH
Lab Sample ID	Client Sample ID	(30-130)	(30-130)	(30-130)
360-35298-20	EB-1	67	64	88
LCS 360-77461/2-A	Lab Control Sample	74	72	88
LCSD 360-77461/3-A	Lab Control Sample Dup	73	70	87
MB 360-77461/1-A	Method Blank	70	67	89

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl
TPH = Terphenyl-d14 (Surr)

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(50-105)
360-35298-1	B-115 (2-3)	75
360-35298-2	B-116 (1.5-3)	70
360-35298-3	B-117 (2.5-3.5)	78
360-35298-4	B-118 (1-2)	82
360-35298-5	B-119 (3-4)	108 X
360-35298-6	B-120 (2.5-3.5)	96
360-35298-7	B-121 (2.5-3.5)	89
360-35298-8	B-122 (2-3)	79
360-35298-9	B-123 (3-4)	78
360-35298-10	B-124 (3-4)	101
360-35298-11	B-125 (7-8)	98
360-35298-12	HA-131 (1-2)	83
360-35298-13	B-129 (3.5-4.5)	82
360-35298-16	B-128 (1-2)	79
LCS 360-77698/2-A	Lab Control Sample	84
LCSD 360-77698/3-A	Lab Control Sample Dup	85
MB 360-77698/1-A	Method Blank	77

Surrogate Legend

Surrogate Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 116 Cook

TestAmerica Job ID: 360-35298-1

OTPH = o-Terphenyl

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	**Client Sample ID**	**OTPH (50-127)**								
360-35298-20	EB-1	108								
LCS 360-77519/2-A	Lab Control Sample	106								
LCSD 360-77519/3-A	Lab Control Sample Dup	100								
MB 360-77519/1-A	Method Blank	115								

Surrogate Legend

OTPH = o-Terphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 360-77464/3-A
Matrix: Solid
Analysis Batch: 77466

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 77464

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,1,1-Trichloroethane	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,1,2,2-Tetrachloroethane	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,1,2-Trichloroethane	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,1-Dichloroethane	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,1-Dichloroethene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,1-Dichloropropene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,2,3-Trichlorobenzene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,2,3-Trichloropropane	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,2,4-Trichlorobenzene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,2,4-Trimethylbenzene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,2-Dibromo-3-Chloropropane	ND		25		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,2-Dichlorobenzene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,2-Dichloroethane	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,2-Dichloropropane	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,3,5-Trimethylbenzene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,3-Dichlorobenzene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,3-Dichloropropane	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
1,4-Dichlorobenzene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
2,2-Dichloropropane	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
2-Butanone (MEK)	ND		25		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
2-Chlorotoluene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
2-Hexanone	ND		25		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
4-Chlorotoluene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
4-Isopropyltoluene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Acetone	ND		250		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Acrylonitrile	ND		25		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Benzene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Bromobenzene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Bromoform	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Bromomethane	ND		5.0		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Carbon disulfide	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Carbon tetrachloride	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Chlorobenzene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Chlorodibromomethane	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Chloroethane	ND		5.0		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Chloroform	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Chloromethane	ND		5.0		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
cis-1,2-Dichloroethene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
cis-1,3-Dichloropropene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Dibromomethane	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Dichlorobromomethane	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Ethylbenzene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Ethylene Dibromide	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Hexachlorobutadiene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Isopropylbenzene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-77464/3-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77466 — **Prep Batch: 77464**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5.0		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Methyl tert-butyl ether	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Methylene Chloride	ND		10		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
n-Butylbenzene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
N-Propylbenzene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Naphthalene	ND		25		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
o-Xylene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
sec-Butylbenzene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Styrene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
tert-Butylbenzene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Tetrachloroethene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Tetrahydrofuran	ND		25		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Toluene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
trans-1,2-Dichloroethene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
trans-1,3-Dichloropropene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Trichloroethene	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Trichlorofluoromethane	ND		5.0		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Vinyl chloride	ND		2.5		ug/Kg		07/25/11 08:21	07/25/11 17:28	1
Xylenes, Total	ND		5.0		ug/Kg		07/25/11 08:21	07/25/11 17:28	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*	*07/25/11 08:21*	*07/25/11 17:28*	*1*
Dibromofluoromethane	*105*		*70 - 130*	*07/25/11 08:21*	*07/25/11 17:28*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*	*07/25/11 08:21*	*07/25/11 17:28*	*1*

Lab Sample ID: LCS 360-77464/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77466 — **Prep Batch: 77464**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1,1,2-Tetrachloroethane	100	81.0		ug/Kg		81	70 - 130
1,1,1-Trichloroethane	100	87.0		ug/Kg		87	70 - 130
1,1,2,2-Tetrachloroethane	100	77.0		ug/Kg		77	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroetha ne	100	79.0		ug/Kg		79	70 - 130
1,1,2-Trichloroethane	100	86.5		ug/Kg		87	70 - 130
1,1-Dichloroethane	100	88.5		ug/Kg		89	70 - 130
1,1-Dichloroethene	100	91.0		ug/Kg		91	70 - 130
1,1-Dichloropropene	100	84.0		ug/Kg		84	70 - 130
1,2,3-Trichlorobenzene	100	105		ug/Kg		105	70 - 130
1,2,3-Trichloropropane	100	76.0		ug/Kg		76	70 - 130
1,2,4-Trichlorobenzene	100	108		ug/Kg		108	70 - 130
1,2,4-Trimethylbenzene	100	90.0		ug/Kg		90	70 - 130
1,2-Dibromo-3-Chloropropane	100	91.0		ug/Kg		91	70 - 130
1,2-Dichlorobenzene	100	90.5		ug/Kg		91	70 - 130
1,2-Dichloroethane	100	89.0		ug/Kg		89	70 - 130
1,2-Dichloropropane	100	85.5		ug/Kg		86	70 - 130
1,3,5-Trimethylbenzene	100	78.0		ug/Kg		78	70 - 130
1,3-Dichlorobenzene	100	82.5		ug/Kg		83	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-77464/1-A
Matrix: Solid
Analysis Batch: 77466

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 77464

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichloropropane	100	89.0		ug/Kg		89	70 - 130
1,4-Dichlorobenzene	100	85.5		ug/Kg		86	70 - 130
2,2-Dichloropropane	100	79.5		ug/Kg		80	70 - 130
2-Butanone (MEK)	1000	842		ug/Kg		84	70 - 130
2-Chlorotoluene	100	73.0		ug/Kg		73	70 - 130
2-Hexanone	1000	783		ug/Kg		78	70 - 130
4-Chlorotoluene	100	73.5		ug/Kg		74	70 - 130
4-Isopropyltoluene	100	80.5		ug/Kg		81	70 - 130
4-Methyl-2-pentanone (MIBK)	1000	808		ug/Kg		81	70 - 130
Acetone	1000	747		ug/Kg		75	70 - 130
Acrylonitrile	100	96.0		ug/Kg		96	70 - 130
Benzene	100	86.0		ug/Kg		86	70 - 130
Bromobenzene	100	70.5		ug/Kg		71	70 - 130
Bromoform	100	86.5		ug/Kg		87	70 - 130
Bromomethane	100	72.0		ug/Kg		72	70 - 130
Carbon disulfide	100	109		ug/Kg		109	70 - 130
Carbon tetrachloride	100	91.0		ug/Kg		91	70 - 130
Chlorobenzene	100	80.5		ug/Kg		81	70 - 130
Chlorodibromomethane	100	89.5		ug/Kg		90	70 - 130
Chloroethane	100	74.0		ug/Kg		74	70 - 130
Chloroform	100	84.5		ug/Kg		85	70 - 130
Chloromethane	100	64.0	*	ug/Kg		64	70 - 130
cis-1,2-Dichloroethene	100	86.0		ug/Kg		86	70 - 130
cis-1,3-Dichloropropene	100	87.0		ug/Kg		87	70 - 130
Dibromomethane	100	90.5		ug/Kg		91	70 - 130
Dichlorobromomethane	100	84.0		ug/Kg		84	70 - 130
Dichlorodifluoromethane	100	67.0	*	ug/Kg		67	70 - 130
Ethylbenzene	100	75.0		ug/Kg		75	70 - 130
Ethylene Dibromide	100	95.5		ug/Kg		96	70 - 130
Hexachlorobutadiene	100	97.5		ug/Kg		98	70 - 130
Isopropylbenzene	100	78.0		ug/Kg		78	70 - 130
m-Xylene & p-Xylene	200	152		ug/Kg		76	70 - 130
Methyl tert-butyl ether	100	91.0		ug/Kg		91	70 - 130
Methylene Chloride	100	158	*	ug/Kg		158	70 - 130
n-Butylbenzene	100	80.0		ug/Kg		80	70 - 130
N-Propylbenzene	100	74.0		ug/Kg		74	70 - 130
Naphthalene	100	96.5		ug/Kg		97	70 - 130
o-Xylene	100	77.5		ug/Kg		78	70 - 130
sec-Butylbenzene	100	76.5		ug/Kg		77	70 - 130
Styrene	100	75.0		ug/Kg		75	70 - 130
tert-Butylbenzene	100	81.0		ug/Kg		81	70 - 130
Tetrachloroethene	100	103		ug/Kg		103	70 - 130
Tetrahydrofuran	1000	900		ug/Kg		90	70 - 130
Toluene	100	88.5		ug/Kg		89	70 - 130
trans-1,2-Dichloroethene	100	84.0		ug/Kg		84	70 - 130
trans-1,3-Dichloropropene	100	83.0		ug/Kg		83	70 - 130
trans-1,4-Dichloro-2-butene	100	79.0		ug/Kg		79	70 - 130
Trichloroethene	100	87.5		ug/Kg		88	70 - 130
Trichlorofluoromethane	100	66.5	*	ug/Kg		67	70 - 130
Vinyl chloride	100	70.0		ug/Kg		70	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-77464/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77466 — **Prep Batch: 77464**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Xylenes, Total			300	230		ug/Kg		77	70 - 130		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8 (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 360-77464/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77466 — **Prep Batch: 77464**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			100	93.5		ug/Kg		94	70 - 130	14	25
1,1,1-Trichloroethane			100	96.0		ug/Kg		96	70 - 130	10	25
1,1,2,2-Tetrachloroethane			100	81.0		ug/Kg		81	70 - 130	5	25
1,1,2-Trichloro-1,2,2-trifluoroetha ne			100	87.5		ug/Kg		88	70 - 130	10	25
1,1,2-Trichloroethane			100	87.5		ug/Kg		88	70 - 130	1	25
1,1-Dichloroethane			100	97.0		ug/Kg		97	70 - 130	9	25
1,1-Dichloroethene			100	98.5		ug/Kg		99	70 - 130	8	25
1,1-Dichloropropene			100	91.0		ug/Kg		91	70 - 130	8	25
1,2,3-Trichlorobenzene			100	133		ug/Kg		133	70 - 130	24	25
1,2,3-Trichloropropane			100	83.5		ug/Kg		84	70 - 130	9	25
1,2,4-Trichlorobenzene			100	134		ug/Kg		134	70 - 130	21	25
1,2,4-Trimethylbenzene			100	103		ug/Kg		103	70 - 130	13	25
1,2-Dibromo-3-Chloropropane			100	105		ug/Kg		105	70 - 130	14	25
1,2-Dichlorobenzene			100	99.0		ug/Kg		99	70 - 130	9	25
1,2-Dichloroethane			100	96.0		ug/Kg		96	70 - 130	8	25
1,2-Dichloropropane			100	89.0		ug/Kg		89	70 - 130	4	25
1,3,5-Trimethylbenzene			100	89.5		ug/Kg		90	70 - 130	14	25
1,3-Dichlorobenzene			100	93.0		ug/Kg		93	70 - 130	12	25
1,3-Dichloropropane			100	87.0		ug/Kg		87	70 - 130	2	25
1,4-Dichlorobenzene			100	92.5		ug/Kg		93	70 - 130	8	25
2,2-Dichloropropane			100	93.0		ug/Kg		93	70 - 130	16	25
2-Butanone (MEK)			1000	843		ug/Kg		84	70 - 130	0	25
2-Chlorotoluene			100	82.5		ug/Kg		83	70 - 130	12	25
2-Hexanone			1000	733		ug/Kg		73	70 - 130	7	25
4-Chlorotoluene			100	79.0		ug/Kg		79	70 - 130	7	25
4-Isopropyltoluene			100	94.0		ug/Kg		94	70 - 130	15	25
4-Methyl-2-pentanone (MIBK)			1000	838		ug/Kg		84	70 - 130	4	25
Acetone			1000	757		ug/Kg		76	70 - 130	1	25
Acrylonitrile			100	107		ug/Kg		107	70 - 130	11	25
Benzene			100	92.5		ug/Kg		93	70 - 130	7	25
Bromobenzene			100	76.5		ug/Kg		77	70 - 130	8	25
Bromoform			100	87.5		ug/Kg		88	70 - 130	1	25
Bromomethane			100	82.5		ug/Kg		83	70 - 130	14	25
Carbon disulfide			100	119		ug/Kg		119	70 - 130	9	25
Carbon tetrachloride			100	100		ug/Kg		100	70 - 130	9	25
Chlorobenzene			100	86.5		ug/Kg		87	70 - 130	7	25
Chlorodibromomethane			100	91.0		ug/Kg		91	70 - 130	2	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-77464/2-A
Matrix: Solid
Analysis Batch: 77466

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 77464

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chloroethane	100	77.0		ug/Kg		77	70 - 130	4	25
Chloroform	100	93.0		ug/Kg		93	70 - 130	10	25
Chloromethane	100	71.5		ug/Kg		72	70 - 130	11	25
cis-1,2-Dichloroethene	100	93.5		ug/Kg		94	70 - 130	8	25
cis-1,3-Dichloropropene	100	86.0		ug/Kg		86	70 - 130	1	25
Dibromomethane	100	97.5		ug/Kg		98	70 - 130	7	25
Dichlorobromomethane	100	88.0		ug/Kg		88	70 - 130	5	25
Dichlorodifluoromethane	100	73.0		ug/Kg		73	70 - 130	9	25
Ethylbenzene	100	81.0		ug/Kg		81	70 - 130	8	25
Ethylene Dibromide	100	94.5		ug/Kg		95	70 - 130	1	25
Hexachlorobutadiene	100	122		ug/Kg		122	70 - 130	22	25
Isopropylbenzene	100	88.5		ug/Kg		89	70 - 130	13	25
m-Xylene & p-Xylene	200	166		ug/Kg		83	70 - 130	9	25
Methyl tert-butyl ether	100	103		ug/Kg		103	70 - 130	12	25
Methylene Chloride	100	180		ug/Kg		180	70 - 130	13	25
n-Butylbenzene	100	86.5		ug/Kg		87	70 - 130	8	25
N-Propylbenzene	100	81.0		ug/Kg		81	70 - 130	9	25
Naphthalene	100	123		ug/Kg		123	70 - 130	24	25
o-Xylene	100	86.5		ug/Kg		87	70 - 130	11	25
sec-Butylbenzene	100	87.5		ug/Kg		88	70 - 130	13	25
Styrene	100	80.0		ug/Kg		80	70 - 130	6	25
tert-Butylbenzene	100	93.5		ug/Kg		94	70 - 130	14	25
Tetrachloroethene	100	105		ug/Kg		105	70 - 130	1	25
Tetrahydrofuran	1000	994		ug/Kg		99	70 - 130	10	25
Toluene	100	90.0		ug/Kg		90	70 - 130	2	25
trans-1,2-Dichloroethene	100	93.0		ug/Kg		93	70 - 130	10	25
trans-1,3-Dichloropropene	100	79.5		ug/Kg		80	70 - 130	4	25
trans-1,4-Dichloro-2-butene	100	80.5		ug/Kg		81	70 - 130	2	25
Trichloroethene	100	92.5		ug/Kg		93	70 - 130	6	25
Trichlorofluoromethane	100	69.5		ug/Kg		70	70 - 130	4	25
Vinyl chloride	100	77.5		ug/Kg		78	70 - 130	10	25
Xylenes, Total	300	253		ug/Kg		84	70 - 130	10	25

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*70 - 130*
Dibromofluoromethane	*107*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 360-77478/6
Matrix: Water
Analysis Batch: 77478

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			07/25/11 13:38	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/25/11 13:38	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			07/25/11 13:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			07/25/11 13:38	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/25/11 13:38	1
1,1-Dichloroethane	ND		1.0		ug/L			07/25/11 13:38	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-77478/6
Matrix: Water
Analysis Batch: 77478

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0		ug/L			07/25/11 13:38	1
1,1-Dichloropropene	ND		1.0		ug/L			07/25/11 13:38	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/25/11 13:38	1
1,2,3-Trichloropropane	ND		1.0		ug/L			07/25/11 13:38	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/25/11 13:38	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			07/25/11 13:38	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			07/25/11 13:38	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/25/11 13:38	1
1,2-Dichloroethane	ND		1.0		ug/L			07/25/11 13:38	1
1,2-Dichloropropane	ND		1.0		ug/L			07/25/11 13:38	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			07/25/11 13:38	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/25/11 13:38	1
1,3-Dichloropropane	ND		1.0		ug/L			07/25/11 13:38	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/25/11 13:38	1
2,2-Dichloropropane	ND		1.0		ug/L			07/25/11 13:38	1
2-Butanone (MEK)	ND		10		ug/L			07/25/11 13:38	1
2-Chlorotoluene	ND		1.0		ug/L			07/25/11 13:38	1
2-Hexanone	ND		10		ug/L			07/25/11 13:38	1
4-Chlorotoluene	ND		1.0		ug/L			07/25/11 13:38	1
4-Isopropyltoluene	ND		1.0		ug/L			07/25/11 13:38	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			07/25/11 13:38	1
Acetone	ND		50		ug/L			07/25/11 13:38	1
Acrylonitrile	ND		0.50		ug/L			07/25/11 13:38	1
Benzene	ND		1.0		ug/L			07/25/11 13:38	1
Bromobenzene	ND		1.0		ug/L			07/25/11 13:38	1
Bromoform	ND		1.0		ug/L			07/25/11 13:38	1
Bromomethane	ND		2.0		ug/L			07/25/11 13:38	1
Carbon disulfide	ND		10		ug/L			07/25/11 13:38	1
Carbon tetrachloride	ND		1.0		ug/L			07/25/11 13:38	1
Chlorobenzene	ND		1.0		ug/L			07/25/11 13:38	1
Chlorodibromomethane	ND		0.50		ug/L			07/25/11 13:38	1
Chloroethane	ND		2.0		ug/L			07/25/11 13:38	1
Chloroform	ND		1.0		ug/L			07/25/11 13:38	1
Chloromethane	ND		2.0		ug/L			07/25/11 13:38	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			07/25/11 13:38	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			07/25/11 13:38	1
Dibromomethane	ND		1.0		ug/L			07/25/11 13:38	1
Dichlorobromomethane	ND		0.50		ug/L			07/25/11 13:38	1
Dichlorodifluoromethane	ND		1.0		ug/L			07/25/11 13:38	1
Ethylbenzene	ND		1.0		ug/L			07/25/11 13:38	1
Ethylene Dibromide	ND		1.0		ug/L			07/25/11 13:38	1
Hexachlorobutadiene	ND		0.40		ug/L			07/25/11 13:38	1
Isopropylbenzene	ND		1.0		ug/L			07/25/11 13:38	1
m-Xylene & p-Xylene	ND		2.0		ug/L			07/25/11 13:38	1
Methyl tert-butyl ether	ND		1.0		ug/L			07/25/11 13:38	1
Methylene Chloride	ND		2.0		ug/L			07/25/11 13:38	1
n-Butylbenzene	ND		1.0		ug/L			07/25/11 13:38	1
N-Propylbenzene	ND		1.0		ug/L			07/25/11 13:38	1
Naphthalene	ND		5.0		ug/L			07/25/11 13:38	1
o-Xylene	ND		1.0		ug/L			07/25/11 13:38	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-77478/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 77478

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0		ug/L			07/25/11 13:38	1
Styrene	ND		1.0		ug/L			07/25/11 13:38	1
tert-Butylbenzene	ND		1.0		ug/L			07/25/11 13:38	1
Tetrachloroethene	ND		1.0		ug/L			07/25/11 13:38	1
Tetrahydrofuran	ND		10		ug/L			07/25/11 13:38	1
Toluene	ND		1.0		ug/L			07/25/11 13:38	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/25/11 13:38	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			07/25/11 13:38	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			07/25/11 13:38	1
Trichloroethene	ND		1.0		ug/L			07/25/11 13:38	1
Trichlorofluoromethane	ND		1.0		ug/L			07/25/11 13:38	1
Vinyl chloride	ND		0.50		ug/L			07/25/11 13:38	1
Xylenes, Total	ND		1.0		ug/L			07/25/11 13:38	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*07/25/11 13:38*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*07/25/11 13:38*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*07/25/11 13:38*	*1*

Lab Sample ID: LCS 360-77478/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 77478

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	17.4		ug/L		87	70 - 130
1,1,1-Trichloroethane	20.0	17.0		ug/L		85	70 - 130
1,1,2,2-Tetrachloroethane	20.0	18.0		ug/L		90	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	15.3		ug/L		77	70 - 130
1,1,2-Trichloroethane	20.0	17.4		ug/L		87	70 - 130
1,1-Dichloroethane	20.0	17.3		ug/L		87	70 - 130
1,1-Dichloroethene	20.0	16.6		ug/L		83	70 - 130
1,1-Dichloropropene	20.0	17.3		ug/L		87	70 - 130
1,2,3-Trichlorobenzene	20.0	15.4		ug/L		77	70 - 130
1,2,3-Trichloropropane	20.0	18.5		ug/L		93	70 - 130
1,2,4-Trichlorobenzene	20.0	16.1		ug/L		81	70 - 130
1,2,4-Trimethylbenzene	20.0	17.3		ug/L		87	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	20.7		ug/L		104	70 - 130
1,2-Dichlorobenzene	20.0	16.4		ug/L		82	70 - 130
1,2-Dichloroethane	20.0	17.4		ug/L		87	70 - 130
1,2-Dichloropropane	20.0	17.1		ug/L		86	70 - 130
1,3,5-Trimethylbenzene	20.0	16.7		ug/L		84	70 - 130
1,3-Dichlorobenzene	20.0	17.0		ug/L		85	70 - 130
1,3-Dichloropropane	20.0	17.3		ug/L		87	70 - 130
1,4-Dichlorobenzene	20.0	17.1		ug/L		86	70 - 130
2,2-Dichloropropane	20.0	16.3		ug/L		82	70 - 130
2-Butanone (MEK)	200	211		ug/L		105	70 - 130
2-Chlorotoluene	20.0	16.9		ug/L		85	70 - 130
2-Hexanone	200	222		ug/L		111	70 - 130
4-Chlorotoluene	20.0	17.2		ug/L		86	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-77478/3
Matrix: Water
Analysis Batch: 77478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
4-Isopropyltoluene	20.0	17.4		ug/L		87	70 - 130
4-Methyl-2-pentanone (MIBK)	200	201		ug/L		101	70 - 130
Acetone	200	179		ug/L		90	70 - 130
Acrylonitrile	20.0	19.9		ug/L		100	70 - 130
Benzene	20.0	16.9		ug/L		85	70 - 130
Bromobenzene	20.0	16.3		ug/L		82	70 - 130
Bromoform	20.0	17.4		ug/L		87	70 - 130
Bromomethane	20.0	18.5		ug/L		93	70 - 130
Carbon disulfide	20.0	19.5		ug/L		98	70 - 130
Carbon tetrachloride	20.0	17.6		ug/L		88	70 - 130
Chlorobenzene	20.0	16.3		ug/L		82	70 - 130
Chlorodibromomethane	20.0	17.5		ug/L		88	70 - 130
Chloroethane	20.0	18.3		ug/L		92	70 - 130
Chloroform	20.0	16.9		ug/L		85	70 - 130
Chloromethane	20.0	15.1		ug/L		76	70 - 130
cis-1,2-Dichloroethene	20.0	17.1		ug/L		86	70 - 130
cis-1,3-Dichloropropene	20.0	17.2		ug/L		86	70 - 130
Dibromomethane	20.0	17.4		ug/L		87	70 - 130
Dichlorobromomethane	20.0	17.1		ug/L		86	70 - 130
Dichlorodifluoromethane	20.0	14.1		ug/L		71	70 - 130
Ethylbenzene	20.0	17.3		ug/L		87	70 - 130
Ethylene Dibromide	20.0	17.9		ug/L		90	70 - 130
Hexachlorobutadiene	20.0	14.1		ug/L		71	70 - 130
Isopropylbenzene	20.0	16.7		ug/L		84	70 - 130
m-Xylene & p-Xylene	40.0	34.9		ug/L		87	70 - 130
Methyl tert-butyl ether	20.0	20.1		ug/L		101	70 - 130
Methylene Chloride	20.0	31.2	*	ug/L		156	70 - 130
n-Butylbenzene	20.0	16.8		ug/L		84	70 - 130
N-Propylbenzene	20.0	17.4		ug/L		87	70 - 130
Naphthalene	20.0	15.8		ug/L		79	70 - 130
o-Xylene	20.0	16.7		ug/L		84	70 - 130
sec-Butylbenzene	20.0	16.9		ug/L		85	70 - 130
Styrene	20.0	17.0		ug/L		85	70 - 130
tert-Butylbenzene	20.0	17.3		ug/L		87	70 - 130
Tetrachloroethene	20.0	16.7		ug/L		84	70 - 130
Tetrahydrofuran	200	201		ug/L		101	70 - 130
Toluene	20.0	15.9		ug/L		80	70 - 130
trans-1,2-Dichloroethene	20.0	17.2		ug/L		86	70 - 130
trans-1,3-Dichloropropene	20.0	16.2		ug/L		81	70 - 130
trans-1,4-Dichloro-2-butene	20.0	17.7		ug/L		89	70 - 130
Trichloroethene	20.0	16.9		ug/L		85	70 - 130
Trichlorofluoromethane	20.0	17.4		ug/L		87	70 - 130
Vinyl chloride	20.0	19.1		ug/L		96	70 - 130
Xylenes, Total	60.0	51.6		ug/L		86	70 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-77478/4
Matrix: Water
Analysis Batch: 77478

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	20.0	19.0		ug/L		95	70 - 130	9	25
1,1,1-Trichloroethane	20.0	18.4		ug/L		92	70 - 130	8	25
1,1,2,2-Tetrachloroethane	20.0	19.2		ug/L		96	70 - 130	6	25
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	16.4		ug/L		82	70 - 130	7	25
1,1,2-Trichloroethane	20.0	19.3		ug/L		97	70 - 130	10	25
1,1-Dichloroethane	20.0	19.0		ug/L		95	70 - 130	9	25
1,1-Dichloroethene	20.0	18.6		ug/L		93	70 - 130	11	25
1,1-Dichloropropene	20.0	18.7		ug/L		94	70 - 130	8	25
1,2,3-Trichlorobenzene	20.0	17.5		ug/L		88	70 - 130	13	25
1,2,3-Trichloropropane	20.0	20.1		ug/L		101	70 - 130	8	25
1,2,4-Trichlorobenzene	20.0	18.2		ug/L		91	70 - 130	12	25
1,2,4-Trimethylbenzene	20.0	18.9		ug/L		95	70 - 130	9	25
1,2-Dibromo-3-Chloropropane	20.0	21.8		ug/L		109	70 - 130	5	25
1,2-Dichlorobenzene	20.0	18.9		ug/L		95	70 - 130	14	25
1,2-Dichloroethane	20.0	19.4		ug/L		97	70 - 130	11	25
1,2-Dichloropropane	20.0	19.1		ug/L		96	70 - 130	11	25
1,3,5-Trimethylbenzene	20.0	18.7		ug/L		94	70 - 130	11	25
1,3-Dichlorobenzene	20.0	19.2		ug/L		96	70 - 130	12	25
1,3-Dichloropropane	20.0	19.3		ug/L		97	70 - 130	11	25
1,4-Dichlorobenzene	20.0	18.6		ug/L		93	70 - 130	8	25
2,2-Dichloropropane	20.0	17.9		ug/L		90	70 - 130	9	25
2-Butanone (MEK)	200	206		ug/L		103	70 - 130	2	25
2-Chlorotoluene	20.0	18.9		ug/L		95	70 - 130	11	25
2-Hexanone	200	223		ug/L		112	70 - 130	0	25
4-Chlorotoluene	20.0	19.1		ug/L		96	70 - 130	10	25
4-Isopropyltoluene	20.0	19.5		ug/L		98	70 - 130	11	25
4-Methyl-2-pentanone (MIBK)	200	213		ug/L		107	70 - 130	6	25
Acetone	200	173		ug/L		87	70 - 130	3	25
Acrylonitrile	20.0	20.8		ug/L		104	70 - 130	4	25
Benzene	20.0	18.2		ug/L		91	70 - 130	7	25
Bromobenzene	20.0	18.0		ug/L		90	70 - 130	10	25
Bromoform	20.0	19.6		ug/L		98	70 - 130	12	25
Bromomethane	20.0	19.6		ug/L		98	70 - 130	6	25
Carbon disulfide	20.0	21.6		ug/L		108	70 - 130	10	25
Carbon tetrachloride	20.0	19.1		ug/L		96	70 - 130	8	25
Chlorobenzene	20.0	18.2		ug/L		91	70 - 130	11	25
Chlorodibromomethane	20.0	19.7		ug/L		99	70 - 130	12	25
Chloroethane	20.0	19.4		ug/L		97	70 - 130	6	25
Chloroform	20.0	18.6		ug/L		93	70 - 130	10	25
Chloromethane	20.0	16.2		ug/L		81	70 - 130	7	25
cis-1,2-Dichloroethene	20.0	18.7		ug/L		94	70 - 130	9	25
cis-1,3-Dichloropropene	20.0	19.1		ug/L		96	70 - 130	10	25
Dibromomethane	20.0	19.4		ug/L		97	70 - 130	11	25
Dichlorobromomethane	20.0	18.8		ug/L		94	70 - 130	9	25
Dichlorodifluoromethane	20.0	15.1		ug/L		76	70 - 130	7	25
Ethylbenzene	20.0	18.8		ug/L		94	70 - 130	8	25
Ethylene Dibromide	20.0	20.0		ug/L		100	70 - 130	11	25
Hexachlorobutadiene	20.0	16.1		ug/L		81	70 - 130	13	25
Isopropylbenzene	20.0	18.6		ug/L		93	70 - 130	11	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-77478/4
Matrix: Water
Analysis Batch: 77478

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	40.0	38.1		ug/L		95	70 - 130	9	25
Methyl tert-butyl ether	20.0	22.4		ug/L		112	70 - 130	11	25
Methylene Chloride	20.0	35.6		ug/L		178	70 - 130	13	25
n-Butylbenzene	20.0	18.4		ug/L		92	70 - 130	9	25
N-Propylbenzene	20.0	19.0		ug/L		95	70 - 130	9	25
Naphthalene	20.0	17.6		ug/L		88	70 - 130	11	25
o-Xylene	20.0	18.4		ug/L		92	70 - 130	10	25
sec-Butylbenzene	20.0	18.9		ug/L		95	70 - 130	11	25
Styrene	20.0	19.0		ug/L		95	70 - 130	11	25
tert-Butylbenzene	20.0	18.8		ug/L		94	70 - 130	8	25
Tetrachloroethene	20.0	18.4		ug/L		92	70 - 130	10	25
Tetrahydrofuran	200	206		ug/L		103	70 - 130	2	25
Toluene	20.0	17.4		ug/L		87	70 - 130	9	25
trans-1,2-Dichloroethene	20.0	18.5		ug/L		93	70 - 130	7	25
trans-1,3-Dichloropropene	20.0	18.8		ug/L		94	70 - 130	15	25
trans-1,4-Dichloro-2-butene	20.0	19.2		ug/L		96	70 - 130	8	25
Trichloroethene	20.0	18.6		ug/L		93	70 - 130	10	25
Trichlorofluoromethane	20.0	18.7		ug/L		94	70 - 130	7	25
Vinyl chloride	20.0	20.3		ug/L		102	70 - 130	6	25
Xylenes, Total	60.0	56.5		ug/L		94	70 - 130	9	25

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 360-77635/3-A
Matrix: Solid
Analysis Batch: 77576

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 77635

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,1,1-Trichloroethane	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,1,2,2-Tetrachloroethane	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		630		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,1,2-Trichloroethane	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,1-Dichloroethane	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,1-Dichloroethene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,1-Dichloropropene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,2,3-Trichlorobenzene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,2,3-Trichloropropane	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,2,4-Trichlorobenzene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,2,4-Trimethylbenzene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,2-Dibromo-3-Chloropropane	ND		1300		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,2-Dichlorobenzene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,2-Dichloroethane	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,2-Dichloropropane	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,3,5-Trimethylbenzene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,3-Dichlorobenzene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-77635/3-A
Matrix: Solid
Analysis Batch: 77576

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 77635

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
1,4-Dichlorobenzene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
2,2-Dichloropropane	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
2-Butanone (MEK)	ND		1300		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
2-Chlorotoluene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
2-Hexanone	ND		1300		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
4-Chlorotoluene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
4-Isopropyltoluene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
4-Methyl-2-pentanone (MIBK)	ND		1300		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Acetone	ND		13000		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Acrylonitrile	ND		1300		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Benzene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Bromobenzene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Bromoform	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Bromomethane	ND		250		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Carbon disulfide	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Carbon tetrachloride	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Chlorobenzene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Chlorodibromomethane	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Chloroethane	ND		250		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Chloroform	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Chloromethane	ND		250		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
cis-1,2-Dichloroethene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
cis-1,3-Dichloropropene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Dibromomethane	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Dichlorobromomethane	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Dichlorodifluoromethane	ND		250		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Ethylbenzene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Ethylene Dibromide	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Hexachlorobutadiene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Isopropylbenzene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
m-Xylene & p-Xylene	ND		250		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Methyl tert-butyl ether	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Methylene Chloride	ND		500		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
n-Butylbenzene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
N-Propylbenzene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Naphthalene	ND		1300		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
o-Xylene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
sec-Butylbenzene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Styrene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
tert-Butylbenzene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Tetrachloroethene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Tetrahydrofuran	ND		1300		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Toluene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
trans-1,2-Dichloroethene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
trans-1,3-Dichloropropene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
trans-1,4-Dichloro-2-butene	ND		250		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Trichloroethene	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Trichlorofluoromethane	ND		250		ug/Kg		07/27/11 09:07	07/27/11 17:08	1
Vinyl chloride	ND		130		ug/Kg		07/27/11 09:07	07/27/11 17:08	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-77635/3-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77576 — **Prep Batch: 77635**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		250		ug/Kg		07/27/11 09:07	07/27/11 17:08	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*	*07/27/11 09:07*	*07/27/11 17:08*	*1*
Dibromofluoromethane	*106*		*70 - 130*	*07/27/11 09:07*	*07/27/11 17:08*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*	*07/27/11 09:07*	*07/27/11 17:08*	*1*

Lab Sample ID: LCS 360-77635/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77576 — **Prep Batch: 77635**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1,1,2-Tetrachloroethane	5000	4250		ug/Kg		85	70 - 130
1,1,1-Trichloroethane	5000	4980		ug/Kg		100	70 - 130
1,1,2,2-Tetrachloroethane	5000	3530		ug/Kg		71	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	5000	4900		ug/Kg		98	70 - 130
1,1,2-Trichloroethane	5000	4550		ug/Kg		91	70 - 130
1,1-Dichloroethane	5000	4950		ug/Kg		99	70 - 130
1,1-Dichloroethene	5000	5280		ug/Kg		106	70 - 130
1,1-Dichloropropene	5000	4750		ug/Kg		95	70 - 130
1,2,3-Trichlorobenzene	5000	6000		ug/Kg		120	70 - 130
1,2,3-Trichloropropane	5000	3700		ug/Kg		74	70 - 130
1,2,4-Trichlorobenzene	5000	6030		ug/Kg		121	70 - 130
1,2,4-Trimethylbenzene	5000	4700		ug/Kg		94	70 - 130
1,2-Dibromo-3-Chloropropane	5000	4530		ug/Kg		91	70 - 130
1,2-Dichlorobenzene	5000	4680		ug/Kg		94	70 - 130
1,2-Dichloroethane	5000	4750		ug/Kg		95	70 - 130
1,2-Dichloropropane	5000	4550		ug/Kg		91	70 - 130
1,3,5-Trimethylbenzene	5000	4100		ug/Kg		82	70 - 130
1,3-Dichlorobenzene	5000	4330		ug/Kg		87	70 - 130
1,3-Dichloropropane	5000	4780		ug/Kg		96	70 - 130
1,4-Dichlorobenzene	5000	4530		ug/Kg		91	70 - 130
2,2-Dichloropropane	5000	4180		ug/Kg		84	70 - 130
2-Butanone (MEK)	50000	42800		ug/Kg		86	70 - 130
2-Chlorotoluene	5000	3780		ug/Kg		76	70 - 130
2-Hexanone	50000	41000		ug/Kg		82	70 - 130
4-Chlorotoluene	5000	3780		ug/Kg		76	70 - 130
4-Isopropyltoluene	5000	4280		ug/Kg		86	70 - 130
4-Methyl-2-pentanone (MIBK)	50000	42200		ug/Kg		84	70 - 130
Acetone	50000	37000		ug/Kg		74	70 - 130
Acrylonitrile	5000	5180		ug/Kg		104	70 - 130
Benzene	5000	4830		ug/Kg		97	70 - 130
Bromobenzene	5000	3530		ug/Kg		71	70 - 130
Bromoform	5000	4450		ug/Kg		89	70 - 130
Bromomethane	5000	4050		ug/Kg		81	70 - 130
Carbon disulfide	5000	6230		ug/Kg		125	70 - 130
Carbon tetrachloride	5000	5230		ug/Kg		105	70 - 130
Chlorobenzene	5000	4250		ug/Kg		85	70 - 130
Chlorodibromomethane	5000	4980		ug/Kg		100	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-77635/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77576 — **Prep Batch: 77635**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chloroethane	5000	3880		ug/Kg		78	70 - 130
Chloroform	5000	4730		ug/Kg		95	70 - 130
Chloromethane	5000	3600		ug/Kg		72	70 - 130
cis-1,2-Dichloroethene	5000	4800		ug/Kg		96	70 - 130
cis-1,3-Dichloropropene	5000	4780		ug/Kg		96	70 - 130
Dibromomethane	5000	4930		ug/Kg		99	70 - 130
Dichlorobromomethane	5000	4580		ug/Kg		92	70 - 130
Dichlorodifluoromethane	5000	3600		ug/Kg		72	70 - 130
Ethylbenzene	5000	3880		ug/Kg		78	70 - 130
Ethylene Dibromide	5000	5330		ug/Kg		107	70 - 130
Hexachlorobutadiene	5000	5750		ug/Kg		115	70 - 130
Isopropylbenzene	5000	4080		ug/Kg		82	70 - 130
m-Xylene & p-Xylene	10000	7830		ug/Kg		78	70 - 130
Methyl tert-butyl ether	5000	4950		ug/Kg		99	70 - 130
Methylene Chloride	5000	8600	*	ug/Kg		172	70 - 130
n-Butylbenzene	5000	4080		ug/Kg		82	70 - 130
N-Propylbenzene	5000	3800		ug/Kg		76	70 - 130
Naphthalene	5000	5150		ug/Kg		103	70 - 130
o-Xylene	5000	3950		ug/Kg		79	70 - 130
sec-Butylbenzene	5000	3980		ug/Kg		80	70 - 130
Styrene	5000	3950		ug/Kg		79	70 - 130
tert-Butylbenzene	5000	4280		ug/Kg		86	70 - 130
Tetrachloroethene	5000	6130		ug/Kg		123	70 - 130
Tetrahydrofuran	50000	46900		ug/Kg		94	70 - 130
Toluene	5000	4980		ug/Kg		100	70 - 130
trans-1,2-Dichloroethene	5000	4700		ug/Kg		94	70 - 130
trans-1,3-Dichloropropene	5000	4430		ug/Kg		89	70 - 130
trans-1,4-Dichloro-2-butene	5000	3730		ug/Kg		75	70 - 130
Trichloroethene	5000	5100		ug/Kg		102	70 - 130
Trichlorofluoromethane	5000	3680		ug/Kg		74	70 - 130
Vinyl chloride	5000	3930		ug/Kg		79	70 - 130
Xylenes, Total	15000	11800		ug/Kg		79	70 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*87*		*70 - 130*
Dibromofluoromethane	*106*		*70 - 130*
Toluene-d8 (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 360-77635/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77576 — **Prep Batch: 77635**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5000	4700		ug/Kg		94	70 - 130	10	25
1,1,1-Trichloroethane	5000	5250		ug/Kg		105	70 - 130	5	25
1,1,2,2-Tetrachloroethane	5000	3650		ug/Kg		73	70 - 130	3	25
1,1,2-Trichloro-1,2,2-trifluoroetha ne	5000	5180		ug/Kg		104	70 - 130	5	25
1,1,2-Trichloroethane	5000	4500		ug/Kg		90	70 - 130	1	25
1,1-Dichloroethane	5000	5080		ug/Kg		102	70 - 130	2	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-77635/2-A
Matrix: Solid
Analysis Batch: 77576

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 77635

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	5000	5380		ug/Kg		108	70 - 130	2	25
1,1-Dichloropropene	5000	4780		ug/Kg		96	70 - 130	1	25
1,2,3-Trichlorobenzene	5000	6550		ug/Kg		131	70 - 130	9	25
1,2,3-Trichloropropane	5000	4230		ug/Kg		85	70 - 130	13	25
1,2,4-Trichlorobenzene	5000	6730		ug/Kg		135	70 - 130	11	25
1,2,4-Trimethylbenzene	5000	5130		ug/Kg		103	70 - 130	9	25
1,2-Dibromo-3-Chloropropane	5000	5050		ug/Kg		101	70 - 130	11	25
1,2-Dichlorobenzene	5000	4880		ug/Kg		98	70 - 130	4	25
1,2-Dichloroethane	5000	4950		ug/Kg		99	70 - 130	4	25
1,2-Dichloropropane	5000	4600		ug/Kg		92	70 - 130	1	25
1,3,5-Trimethylbenzene	5000	4480		ug/Kg		90	70 - 130	9	25
1,3-Dichlorobenzene	5000	4730		ug/Kg		95	70 - 130	9	25
1,3-Dichloropropane	5000	4600		ug/Kg		92	70 - 130	4	25
1,4-Dichlorobenzene	5000	4630		ug/Kg		93	70 - 130	2	25
2,2-Dichloropropane	5000	4530		ug/Kg		91	70 - 130	8	25
2-Butanone (MEK)	50000	44600		ug/Kg		89	70 - 130	4	25
2-Chlorotoluene	5000	4150		ug/Kg		83	70 - 130	9	25
2-Hexanone	50000	39100		ug/Kg		78	70 - 130	5	25
4-Chlorotoluene	5000	3950		ug/Kg		79	70 - 130	5	25
4-Isopropyltoluene	5000	4700		ug/Kg		94	70 - 130	9	25
4-Methyl-2-pentanone (MIBK)	50000	42100		ug/Kg		84	70 - 130	0	25
Acetone	50000	39000		ug/Kg		78	70 - 130	5	25
Acrylonitrile	5000	5730		ug/Kg		115	70 - 130	10	25
Benzene	5000	4900		ug/Kg		98	70 - 130	2	25
Bromobenzene	5000	3780		ug/Kg		76	70 - 130	7	25
Bromoform	5000	4500		ug/Kg		90	70 - 130	1	25
Bromomethane	5000	4280		ug/Kg		86	70 - 130	5	25
Carbon disulfide	5000	6330		ug/Kg		127	70 - 130	2	25
Carbon tetrachloride	5000	5430		ug/Kg		109	70 - 130	4	25
Chlorobenzene	5000	4400		ug/Kg		88	70 - 130	3	25
Chlorodibromomethane	5000	4930		ug/Kg		99	70 - 130	1	25
Chloroethane	5000	3880		ug/Kg		78	70 - 130	0	25
Chloroform	5000	4880		ug/Kg		98	70 - 130	3	25
Chloromethane	5000	3730		ug/Kg		75	70 - 130	3	25
cis-1,2-Dichloroethene	5000	4980		ug/Kg		100	70 - 130	4	25
cis-1,3-Dichloropropene	5000	4500		ug/Kg		90	70 - 130	6	25
Dibromomethane	5000	5100		ug/Kg		102	70 - 130	3	25
Dichlorobromomethane	5000	4600		ug/Kg		92	70 - 130	1	25
Dichlorodifluoromethane	5000	3730		ug/Kg		75	70 - 130	3	25
Ethylbenzene	5000	4050		ug/Kg		81	70 - 130	4	25
Ethylene Dibromide	5000	5150		ug/Kg		103	70 - 130	3	25
Hexachlorobutadiene	5000	6200		ug/Kg		124	70 - 130	8	25
Isopropylbenzene	5000	4400		ug/Kg		88	70 - 130	8	25
m-Xylene & p-Xylene	10000	8150		ug/Kg		82	70 - 130	4	25
Methyl tert-butyl ether	5000	5380		ug/Kg		108	70 - 130	8	25
Methylene Chloride	5000	9300		ug/Kg		186	70 - 130	8	25
n-Butylbenzene	5000	4180		ug/Kg		84	70 - 130	2	25
N-Propylbenzene	5000	4050		ug/Kg		81	70 - 130	6	25
Naphthalene	5000	5830		ug/Kg		117	70 - 130	12	25
o-Xylene	5000	4280		ug/Kg		86	70 - 130	8	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-77635/2-A
Matrix: Solid
Analysis Batch: 77576

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 77635

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
sec-Butylbenzene	5000	4330		ug/Kg		87	70 - 130	8	25
Styrene	5000	4130		ug/Kg		83	70 - 130	4	25
tert-Butylbenzene	5000	4650		ug/Kg		93	70 - 130	8	25
Tetrachloroethene	5000	5800		ug/Kg		116	70 - 130	5	25
Tetrahydrofuran	50000	50500		ug/Kg		101	70 - 130	7	25
Toluene	5000	4750		ug/Kg		95	70 - 130	5	25
trans-1,2-Dichloroethene	5000	4850		ug/Kg		97	70 - 130	3	25
trans-1,3-Dichloropropene	5000	4130		ug/Kg		83	70 - 130	7	25
trans-1,4-Dichloro-2-butene	5000	3980		ug/Kg		80	70 - 130	6	25
Trichloroethene	5000	5100		ug/Kg		102	70 - 130	0	25
Trichlorofluoromethane	5000	3630		ug/Kg		73	70 - 130	1	25
Vinyl chloride	5000	4080		ug/Kg		82	70 - 130	4	25
Xylenes, Total	15000	12400		ug/Kg		83	70 - 130	5	25

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*70 - 130*
Dibromofluoromethane	*109*		*70 - 130*
Toluene-d8 (Surr)	*107*		*70 - 130*

Method: 8270C - Semivolatile Compounds (GC/MS)

Lab Sample ID: MB 360-77461/1-A
Matrix: Water
Analysis Batch: 77595

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 77461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1
Acenaphthene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1
Anthracene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1
Benzo[a]anthracene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1
Benzo[a]pyrene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1
Acenaphthylene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1
Benzo[b]fluoranthene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1
Benzo[g,h,i]perylene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1
Benzo[k]fluoranthene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1
Chrysene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1
Dibenz(a,h)anthracene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1
Fluoranthene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1
Fluorene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1
Naphthalene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1
Phenanthrene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1
Pyrene	ND		5.0		ug/L		07/25/11 18:02	07/27/11 15:40	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*70*		*30 - 130*	*07/25/11 18:02*	*07/27/11 15:40*	*1*
2-Fluorobiphenyl	*67*		*30 - 130*	*07/25/11 18:02*	*07/27/11 15:40*	*1*
Terphenyl-d14 (Surr)	*89*		*30 - 130*	*07/25/11 18:02*	*07/27/11 15:40*	*1*

Method: 8270C - Semivolatile Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-77461/2-A
Matrix: Water
Analysis Batch: 77595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 77461

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2-Methylnaphthalene	40.0	29.7		ug/L		74	40 - 140
Acenaphthene	40.0	40.5		ug/L		101	40 - 140
Anthracene	40.0	46.2		ug/L		116	40 - 140
Benzo[a]anthracene	40.0	46.8		ug/L		117	40 - 140
Benzo[a]pyrene	40.0	48.6		ug/L		122	40 - 140
Acenaphthylene	40.0	33.9		ug/L		85	40 - 140
Benzo[b]fluoranthene	40.0	55.9		ug/L		140	40 - 140
Benzo[g,h,i]perylene	40.0	41.5		ug/L		104	40 - 140
Benzo[k]fluoranthene	40.0	57.9	*	ug/L		145	40 - 140
Chrysene	40.0	47.1		ug/L		118	40 - 140
Dibenz(a,h)anthracene	40.0	44.8		ug/L		112	40 - 140
Fluoranthene	40.0	41.2		ug/L		103	40 - 140
Fluorene	40.0	47.0		ug/L		118	40 - 140
Indeno[1,2,3-cd]pyrene	40.0	45.9		ug/L		115	40 - 140
Naphthalene	40.0	28.6		ug/L		72	40 - 140
Phenanthrene	40.0	44.3		ug/L		111	40 - 140
Pyrene	40.0	48.6		ug/L		122	40 - 140

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*74*		*30 - 130*
2-Fluorobiphenyl	*72*		*30 - 130*
Terphenyl-d14 (Surr)	*88*		*30 - 130*

Lab Sample ID: LCSD 360-77461/3-A
Matrix: Water
Analysis Batch: 77595

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 77461

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	40.0	29.2		ug/L		73	40 - 140	2	20
Acenaphthene	40.0	39.6		ug/L		99	40 - 140	2	20
Anthracene	40.0	45.8		ug/L		115	40 - 140	1	20
Benzo[a]anthracene	40.0	46.1		ug/L		115	40 - 140	2	20
Benzo[a]pyrene	40.0	48.0		ug/L		120	40 - 140	1	20
Acenaphthylene	40.0	33.7		ug/L		84	40 - 140	1	20
Benzo[b]fluoranthene	40.0	52.1		ug/L		130	40 - 140	7	20
Benzo[g,h,i]perylene	40.0	39.1		ug/L		98	40 - 140	6	20
Benzo[k]fluoranthene	40.0	62.1		ug/L		155	40 - 140	7	20
Chrysene	40.0	45.4		ug/L		114	40 - 140	4	20
Dibenz(a,h)anthracene	40.0	42.6		ug/L		107	40 - 140	5	20
Fluoranthene	40.0	39.5		ug/L		99	40 - 140	4	20
Fluorene	40.0	46.1		ug/L		115	40 - 140	2	20
Indeno[1,2,3-cd]pyrene	40.0	43.2		ug/L		108	40 - 140	6	20
Naphthalene	40.0	28.8		ug/L		72	40 - 140	1	20
Phenanthrene	40.0	42.9		ug/L		107	40 - 140	3	20
Pyrene	40.0	48.0		ug/L		120	40 - 140	1	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*73*		*30 - 130*
2-Fluorobiphenyl	*70*		*30 - 130*

Method: 8270C - Semivolatile Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-77461/3-A
Matrix: Water
Analysis Batch: 77595

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 77461

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
Terphenyl-d14 (Surr)	87		30 - 130

Lab Sample ID: MB 360-77693/1-A
Matrix: Solid
Analysis Batch: 77722

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 77693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		170		ug/Kg		07/28/11 15:55	07/29/11 09:46	1
Acenaphthene	ND		170		ug/Kg		07/28/11 15:55	07/29/11 09:46	1
Anthracene	ND		170		ug/Kg		07/28/11 15:55	07/29/11 09:46	1
Benzo[a]anthracene	ND		170		ug/Kg		07/28/11 15:55	07/29/11 09:46	1
Benzo[a]pyrene	ND		170		ug/Kg		07/28/11 15:55	07/29/11 09:46	1
Acenaphthylene	ND		170		ug/Kg		07/28/11 15:55	07/29/11 09:46	1
Benzo[b]fluoranthene	ND		170		ug/Kg		07/28/11 15:55	07/29/11 09:46	1
Benzo[g,h,i]perylene	ND		170		ug/Kg		07/28/11 15:55	07/29/11 09:46	1
Benzo[k]fluoranthene	ND		180		ug/Kg		07/28/11 15:55	07/29/11 09:46	1
Chrysene	ND		170		ug/Kg		07/28/11 15:55	07/29/11 09:46	1
Dibenz(a,h)anthracene	ND		170		ug/Kg		07/28/11 15:55	07/29/11 09:46	1
Fluoranthene	ND		170		ug/Kg		07/28/11 15:55	07/29/11 09:46	1
Fluorene	ND		170		ug/Kg		07/28/11 15:55	07/29/11 09:46	1
Indeno[1,2,3-cd]pyrene	ND		330		ug/Kg		07/28/11 15:55	07/29/11 09:46	1
Naphthalene	ND		170		ug/Kg		07/28/11 15:55	07/29/11 09:46	1
Phenanthrene	ND		170		ug/Kg		07/28/11 15:55	07/29/11 09:46	1
Pyrene	ND		170		ug/Kg		07/28/11 15:55	07/29/11 09:46	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	67		30 - 130	07/28/11 15:55	07/29/11 09:46	1
2-Fluorobiphenyl	69		30 - 130	07/28/11 15:55	07/29/11 09:46	1
Terphenyl-d14 (Surr)	64		30 - 130	07/28/11 15:55	07/29/11 09:46	1

Lab Sample ID: LCS 360-77693/2-A
Matrix: Solid
Analysis Batch: 77722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 77693

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2-Methylnaphthalene	1330	917		ug/Kg		69	40 - 140
Acenaphthene	1330	1100		ug/Kg		82	40 - 140
Anthracene	1330	1100		ug/Kg		83	40 - 140
Benzo[a]anthracene	1330	1120		ug/Kg		84	40 - 140
Benzo[a]pyrene	1330	1130		ug/Kg		85	40 - 140
Acenaphthylene	1330	880		ug/Kg		66	40 - 140
Benzo[b]fluoranthene	1330	1050		ug/Kg		79	40 - 140
Benzo[g,h,i]perylene	1330	1420		ug/Kg		107	40 - 140
Benzo[k]fluoranthene	1330	1090		ug/Kg		82	40 - 140
Chrysene	1330	1130		ug/Kg		85	40 - 140
Dibenz(a,h)anthracene	1330	1390		ug/Kg		105	40 - 140
Fluoranthene	1330	1130		ug/Kg		85	40 - 140
Fluorene	1330	1100		ug/Kg		83	40 - 140
Indeno[1,2,3-cd]pyrene	1330	1420		ug/Kg		107	40 - 140

Method: 8270C - Semivolatile Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-77693/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77722 — **Prep Batch: 77693**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Naphthalene			1330	887		ug/Kg		67	40 - 140		
Phenanthrene			1330	1060		ug/Kg		79	40 - 140		
Pyrene			1330	860		ug/Kg		65	40 - 140		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*58*		*30 - 130*
2-Fluorobiphenyl	*65*		*30 - 130*
Terphenyl-d14 (Surr)	*58*		*30 - 130*

Lab Sample ID: LCSD 360-77693/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77722 — **Prep Batch: 77693**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene			1330	930		ug/Kg		70	40 - 140	1	30
Acenaphthene			1330	1050		ug/Kg		79	40 - 140	4	30
Anthracene			1330	1080		ug/Kg		81	40 - 140	2	30
Benzo[a]anthracene			1330	1110		ug/Kg		84	40 - 140	1	30
Benzo[a]pyrene			1330	1090		ug/Kg		82	40 - 140	4	30
Acenaphthylene			1330	923		ug/Kg		69	40 - 140	5	30
Benzo[b]fluoranthene			1330	1040		ug/Kg		78	40 - 140	1	30
Benzo[g,h,i]perylene			1330	1410		ug/Kg		106	40 - 140	1	30
Benzo[k]fluoranthene			1330	1090		ug/Kg		82	40 - 140	1	30
Chrysene			1330	1190		ug/Kg		89	40 - 140	5	30
Dibenz(a,h)anthracene			1330	1340		ug/Kg		101	40 - 140	4	30
Fluoranthene			1330	1140		ug/Kg		86	40 - 140	1	30
Fluorene			1330	1100		ug/Kg		83	40 - 140	0	30
Indeno[1,2,3-cd]pyrene			1330	1340		ug/Kg		101	40 - 140	6	30
Naphthalene			1330	883		ug/Kg		66	40 - 140	0	30
Phenanthrene			1330	1040		ug/Kg		78	40 - 140	2	30
Pyrene			1330	863		ug/Kg		65	40 - 140	0	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*57*		*30 - 130*
2-Fluorobiphenyl	*65*		*30 - 130*
Terphenyl-d14 (Surr)	*58*		*30 - 130*

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Lab Sample ID: MB 360-77519/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 77618 — **Prep Batch: 77519**

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	ND		0.10		mg/L		07/26/11 14:43	07/27/11 22:24	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*115*		*50 - 127*	*07/26/11 14:43*	*07/27/11 22:24*	*1*

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC) (Continued)

Lab Sample ID: LCS 360-77519/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 77618 — **Prep Batch: 77519**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
CT ETPH			5.00	4.82		mg/L		96	60 - 120		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*106*		*50 - 127*

Lab Sample ID: LCSD 360-77519/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 77618 — **Prep Batch: 77519**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
CT ETPH			5.00	4.66		mg/L		93	60 - 120	3	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*100*		*50 - 127*

Lab Sample ID: MB 360-77698/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77745 — **Prep Batch: 77698**

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	ND		3.3		mg/Kg		07/28/11 16:18	07/29/11 12:37	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*		*50 - 105*	*07/28/11 16:18*	*07/29/11 12:37*	*1*

Lab Sample ID: LCS 360-77698/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77745 — **Prep Batch: 77698**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
CT ETPH			167	136		mg/Kg		82	60 - 120		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*84*		*50 - 105*

Lab Sample ID: LCSD 360-77698/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77745 — **Prep Batch: 77698**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
CT ETPH			167	135		mg/Kg		81	60 - 120	0	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*85*		*50 - 105*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 220-53346/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 53397 — **Prep Batch: 53346**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/27/11 12:57	07/28/11 11:33	1
Antimony	ND		0.015		mg/L		07/27/11 12:57	07/28/11 11:33	1
Copper	ND		0.010		mg/L		07/27/11 12:57	07/28/11 11:33	1
Lead	ND		0.015		mg/L		07/27/11 12:57	07/28/11 11:33	1

Lab Sample ID: LCS 220-53346/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 53397 — **Prep Batch: 53346**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Arsenic	1.00	0.990		mg/L		99	80 - 120
Antimony	1.00	1.03		mg/L		103	80 - 120
Copper	0.300	0.327		mg/L		109	80 - 120
Lead	1.00	1.05		mg/L		105	80 - 120

Lab Sample ID: MB 360-77419/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77473 — **Prep Batch: 77419**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.50		mg/Kg		07/25/11 08:31	07/25/11 15:55	1
Antimony	ND		0.50		mg/Kg		07/25/11 08:31	07/25/11 15:55	1
Arsenic	ND		1.0		mg/Kg		07/25/11 08:31	07/25/11 15:55	1
Copper	ND		1.0		mg/Kg		07/25/11 08:31	07/25/11 15:55	1

Lab Sample ID: LCDSRM 360-77419/3-A — **Client Sample ID: Lab Control Sample Dup**
LCDSRM
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77473 — **Prep Batch: 77419**

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Lead	267	222		mg/Kg		83	64.8 - 110	0	30
Antimony	152	38.8		mg/Kg		26	10.0 - 110	2	30
Arsenic	90.0	81.7		mg/Kg		91	61 - 117	1	30
Copper	157	157		mg/Kg		100	70.7 - 117	3	30

Lab Sample ID: LCSSRM 360-77419/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77473 — **Prep Batch: 77419**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	267	223		mg/Kg		83	64.8 - 110
Antimony	152	37.9		mg/Kg		25	10.0 - 110
Arsenic	90.0	82.5		mg/Kg		92	61 - 117
Copper	157	152		mg/Kg		97	70.7 - 117

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 360-35298-1 MS — **Client Sample ID: B-115 (2-3)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77473 — **Prep Batch: 77419**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	550		76.2	657	4	mg/Kg	☼	137	75 - 125
Antimony	14		76.2	40.7	F	mg/Kg	☼	35	75 - 125
Arsenic	11		76.2	82.9		mg/Kg	☼	94	75 - 125
Copper	1200		76.2	1380	4	mg/Kg	☼	284	75 - 125

Lab Sample ID: 360-35298-1 DU — **Client Sample ID: B-115 (2-3)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77473 — **Prep Batch: 77419**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	550		483		mg/Kg	☼	13	35
Antimony	14		10.1		mg/Kg	☼	32	35
Arsenic	11		10.5		mg/Kg	☼	6	35
Copper	1200		3670	F	mg/Kg	☼	104	35

Lab Sample ID: MB 360-77628/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 77707 — **Prep Batch: 77628**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		5.0		ug/L		07/28/11 08:25	07/28/11 15:18	1
Antimony	ND		6.0		ug/L		07/28/11 08:25	07/28/11 15:18	1
Arsenic	ND		10		ug/L		07/28/11 08:25	07/28/11 15:18	1
Copper	ND		10		ug/L		07/28/11 08:25	07/28/11 15:18	1

Lab Sample ID: LCS 360-77628/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 77707 — **Prep Batch: 77628**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	1000	1020		ug/L		102	80 - 120
Antimony	1000	1030		ug/L		103	80 - 120
Arsenic	1000	1020		ug/L		102	80 - 120
Copper	1000	1050		ug/L		105	80 - 120

Lab Sample ID: LCSD 360-77628/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 77707 — **Prep Batch: 77628**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Lead	1000	1040		ug/L		104	80 - 120	2	20
Antimony	1000	1040		ug/L		104	80 - 120	1	20
Arsenic	1000	1040		ug/L		104	80 - 120	2	20
Copper	1000	1060		ug/L		106	80 - 120	1	20

Lab Sample ID: 360-35298-20 MS — **Client Sample ID: EB-1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 77707 — **Prep Batch: 77628**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	ND		1000	954		ug/L		95	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 360-35298-20 MS — **Client Sample ID: EB-1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 77707 — **Prep Batch: 77628**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Antimony	ND		1000	970		ug/L		97	75 - 125
Arsenic	ND		1000	948		ug/L		95	75 - 125
Copper	ND		1000	974		ug/L		97	75 - 125

Lab Sample ID: 360-35298-20 DU — **Client Sample ID: EB-1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 77707 — **Prep Batch: 77628**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	ND		ND		ug/L		NC	20
Antimony	ND		ND		ug/L		NC	20
Arsenic	ND		ND		ug/L		NC	20
Copper	ND		ND		ug/L		NC	20

Lab Sample ID: LB 220-53288/19-B LB — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: SPLP East**
Analysis Batch: 53397 — **Prep Batch: 53346**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		07/27/11 12:57	07/28/11 11:43	1
Antimony	ND		0.015		mg/L		07/27/11 12:57	07/28/11 11:43	1
Copper	ND		0.010		mg/L		07/27/11 12:57	07/28/11 11:43	1
Lead	ND		0.015		mg/L		07/27/11 12:57	07/28/11 11:43	1

Method: Moisture - Percent Moisture

Lab Sample ID: 360-35298-1 DU — **Client Sample ID: B-115 (2-3)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 77378

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	15		16		%		3	20
Percent Solids	85		84		%		0.5	20

CTETPH - MASS DISCRIMINATION CHECK

Date: 7/29/2011 11:51
Job #: **35298**
Analyst: **BB**

Sample Name: **1750ug/mL**
File ID **D2248.D**

Name	Target Response	Response factor	Mass Discim % DIFF (+- 20%)
C9	247895	1983.16	2.01
C10	248490	1987.92	2.25
C12	250195	2001.56	2.96
C14	249798	1998.384	2.79
C16	251033	2008.264	3.30
C18	254909	2039.272	4.90
C19	253379	2027.032	4.27
C20	251423	2011.384	3.46
C22	251581	2012.648	3.53
C24	248351	1986.808	2.20
C26	244147	1953.176	0.47
C28	230556	1844.448	-5.13
C30	227289	1818.312	-6.47
C36	193117	1544.936	-20.53
Average RF		1944.093143	

NOTE: One alkane can exceed 20%, but not above 50% difference.

CTETPH - MASS DISCRIMINATION CHECK

Date: 7/29/2011 11:51
Job #: **35298**
Analyst: **BB**

Sample Name: **1750ug/mL**
File ID **D2248.D**

Name	Target Response	Response factor	Mass Discim % DIFF (+- 20%)
C9	253951	2031.608	1.73
C10	255937	2047.496	2.53
C12	258308	2066.464	3.48
C14	257539	2060.312	3.17
C16	258826	2070.608	3.69
C18	261581	2092.648	4.79
C19	260871	2086.968	4.51
C20	258758	2070.064	3.66
C22	258442	2067.536	3.53
C24	254568	2036.544	1.98
C26	249523	1996.184	-0.04
C28	234598	1876.784	-6.02
C30	230389	1843.112	-7.71
C36	201443	1611.544	-19.30
Average RF		1996.990857	

NOTE: One alkane can exceed 20%, but not above 50% difference.

CTETPH - MASS DISCRIMINATION CHECK

Date: 7/28/2011 21:52
Job #: **35298**
Analyst: **BB**

Sample Name: **1750ug/mL**
File ID **F178212.D**

Name	Target Response	Response factor	Mass Discim % DIFF (+- 20%)
C9	387064	3096.512	-0.08
C10	386776	3094.208	-0.15
C12	389275	3114.2	0.49
C14	387032	3096.256	-0.09
C16	386698	3093.584	-0.17
C18	388767	3110.136	0.36
C19	429286	3434.288	10.82
C20	360850	2886.8	-6.84
C22	368211	2945.688	-4.94
C24	373143	2985.144	-3.67
C26	377719	3021.752	-2.49
C28	370642	2965.136	-4.32
C30	386674	3093.392	-0.18
C36	430966	3447.728	11.26
Average RF		3098.916	

NOTE: One alkane can exceed 20%, but not above 50% difference.

Lab Chronicle

Client: Tighe & Bond
Project/Site: Meriden Brownfields 116 Cook

TestAmerica Job ID: 360-35298-1

Client Sample ID: B-115 (2-3)

Lab Sample ID: 360-35298-1
Date Collected: 07/21/11 09:00
Matrix: Solid
Date Received: 07/22/11 10:00
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3546			77693	07/28/11 15:55	VMM	TAL WFD
Total/NA	Analysis	8270C		1	77722	07/29/11 16:52	CMR	TAL WFD
Total/NA	Prep	3546			77698	07/28/11 16:18	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		1	77745	07/29/11 18:23	BRB	TAL WFD
SPLP East	Leach	1312			53288	07/26/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			53346	07/27/11 12:57	MH	TAL CT
SPLP East	Analysis	6010B		1	53397	07/28/11 12:22	JFV	TAL CT
Total/NA	Prep	3050B			77419	07/25/11 08:31	OG	TAL WFD
Total/NA	Analysis	6010B		1	77473	07/25/11 16:04	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: B-116 (1.5-3)

Lab Sample ID: 360-35298-2
Date Collected: 07/21/11 09:11
Matrix: Solid
Date Received: 07/22/11 10:00
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3546			77693	07/28/11 15:55	VMM	TAL WFD
Total/NA	Analysis	8270C		5	77722	07/29/11 17:24	CMR	TAL WFD
Total/NA	Prep	3546			77698	07/28/11 16:18	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		10	77745	07/29/11 18:57	BRB	TAL WFD
SPLP East	Leach	1312			53288	07/26/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			53346	07/27/11 12:57	MH	TAL CT
SPLP East	Analysis	6010B		1	53397	07/28/11 12:26	JFV	TAL CT
Total/NA	Prep	3050B			77419	07/25/11 08:31	OG	TAL WFD
Total/NA	Analysis	6010B		1	77473	07/25/11 16:25	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: B-117 (2.5-3.5)

Lab Sample ID: 360-35298-3
Date Collected: 07/21/11 09:35
Matrix: Solid
Date Received: 07/22/11 10:00
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3546			77693	07/28/11 15:55	VMM	TAL WFD
Total/NA	Analysis	8270C		5	77722	07/29/11 17:57	CMR	TAL WFD
Total/NA	Prep	3546			77698	07/28/11 16:18	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		10	77745	07/29/11 19:32	BRB	TAL WFD
SPLP East	Leach	1312			53288	07/26/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			53346	07/27/11 12:57	MH	TAL CT
SPLP East	Analysis	6010B		1	53397	07/28/11 12:29	JFV	TAL CT
Total/NA	Prep	3050B			77419	07/25/11 08:31	OG	TAL WFD
Total/NA	Analysis	6010B		1	77473	07/25/11 16:28	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: B-118 (1-2)

Lab Sample ID: 360-35298-4

Date Collected: 07/21/11 09:41
Date Received: 07/22/11 10:00

Matrix: Solid
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3546			77693	07/28/11 15:55	VMM	TAL WFD
Total/NA	Analysis	8270C		1	77722	07/29/11 18:30	CMR	TAL WFD
Total/NA	Prep	3546			77698	07/28/11 16:18	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		1	77745	07/29/11 20:06	BRB	TAL WFD
SPLP East	Leach	1312			53288	07/26/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			53346	07/27/11 12:57	MH	TAL CT
SPLP East	Analysis	6010B		1	53397	07/28/11 12:32	JFV	TAL CT
Total/NA	Prep	3050B			77419	07/25/11 08:31	OG	TAL WFD
Total/NA	Analysis	6010B		5	77473	07/25/11 17:33	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: B-119 (3-4)

Lab Sample ID: 360-35298-5

Date Collected: 07/21/11 09:47
Date Received: 07/22/11 10:00

Matrix: Solid
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3546			77693	07/28/11 15:55	VMM	TAL WFD
Total/NA	Analysis	8270C		5	77722	07/29/11 19:03	CMR	TAL WFD
Total/NA	Prep	3546			77698	07/28/11 16:18	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		10	77745	07/29/11 20:41	BRB	TAL WFD
SPLP East	Leach	1312			53288	07/26/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			53346	07/27/11 12:57	MH	TAL CT
SPLP East	Analysis	6010B		1	53397	07/28/11 12:35	JFV	TAL CT
Total/NA	Prep	3050B			77419	07/25/11 08:31	OG	TAL WFD
Total/NA	Analysis	6010B		1	77473	07/25/11 16:34	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: B-120 (2.5-3.5)

Lab Sample ID: 360-35298-6

Date Collected: 07/21/11 10:25
Date Received: 07/22/11 10:00

Matrix: Solid
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3546			77693	07/28/11 15:55	VMM	TAL WFD
Total/NA	Analysis	8270C		5	77722	07/29/11 19:36	CMR	TAL WFD
Total/NA	Prep	3546			77698	07/28/11 16:18	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		10	77745	07/29/11 21:16	BRB	TAL WFD
SPLP East	Leach	1312			53288	07/26/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			53346	07/27/11 12:57	MH	TAL CT
SPLP East	Analysis	6010B		1	53397	07/28/11 12:38	JFV	TAL CT
Total/NA	Prep	3050B			77419	07/25/11 08:31	OG	TAL WFD
Total/NA	Analysis	6010B		1	77473	07/25/11 16:37	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: B-121 (2.5-3.5)

Lab Sample ID: 360-35298-7

Date Collected: 07/21/11 10:08
Matrix: Solid
Date Received: 07/22/11 10:00
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3546			77693	07/28/11 15:55	VMM	TAL WFD
Total/NA	Analysis	8270C		5	77765	07/29/11 15:39	CMR	TAL WFD
Total/NA	Prep	3546			77698	07/28/11 16:18	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		10	77745	07/29/11 21:50	BRB	TAL WFD
SPLP East	Leach	1312			53288	07/26/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			53346	07/27/11 12:57	MH	TAL CT
SPLP East	Analysis	6010B		1	53397	07/28/11 12:41	JFV	TAL CT
Total/NA	Prep	3050B			77419	07/25/11 08:31	OG	TAL WFD
Total/NA	Analysis	6010B		1	77473	07/25/11 16:40	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: B-122 (2-3)

Lab Sample ID: 360-35298-8

Date Collected: 07/21/11 08:52
Matrix: Solid
Date Received: 07/22/11 10:00
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3546			77693	07/28/11 15:55	VMM	TAL WFD
Total/NA	Analysis	8270C		1	77765	07/29/11 16:10	CMR	TAL WFD
Total/NA	Prep	3546			77698	07/28/11 16:18	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		1	77745	07/29/11 22:25	BRB	TAL WFD
SPLP East	Leach	1312			53288	07/26/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			53346	07/27/11 12:57	MH	TAL CT
SPLP East	Analysis	6010B		1	53397	07/28/11 12:51	JFV	TAL CT
Total/NA	Prep	3050B			77419	07/25/11 08:31	OG	TAL WFD
Total/NA	Analysis	6010B		2	77473	07/25/11 17:42	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: B-123 (3-4)

Lab Sample ID: 360-35298-9

Date Collected: 07/21/11 07:14
Matrix: Solid
Date Received: 07/22/11 10:00
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3546			77693	07/28/11 15:55	VMM	TAL WFD
Total/NA	Analysis	8270C		1	77765	07/29/11 16:41	CMR	TAL WFD
Total/NA	Prep	3546			77698	07/28/11 16:18	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		1	77745	07/29/11 23:00	BRB	TAL WFD
SPLP East	Leach	1312			53288	07/26/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			53346	07/27/11 12:57	MH	TAL CT
SPLP East	Analysis	6010B		1	53397	07/28/11 12:54	JFV	TAL CT
Total/NA	Prep	3050B			77419	07/25/11 08:31	OG	TAL WFD
Total/NA	Analysis	6010B		1	77473	07/25/11 16:46	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: B-124 (3-4)

Lab Sample ID: 360-35298-10

Date Collected: 07/21/11 07:40
Date Received: 07/22/11 10:00

Matrix: Solid
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3546			77693	07/28/11 15:55	VMM	TAL WFD
Total/NA	Analysis	8270C		1	77765	07/29/11 17:12	CMR	TAL WFD
Total/NA	Prep	3546			77698	07/29/11 02:29	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		10	77745	07/29/11 23:34	BRB	TAL WFD
SPLP East	Leach	1312			53288	07/26/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			53346	07/27/11 12:57	MH	TAL CT
SPLP East	Analysis	6010B		1	53397	07/28/11 12:57	JFV	TAL CT
Total/NA	Prep	3050B			77419	07/25/11 08:31	OG	TAL WFD
Total/NA	Analysis	6010B		1	77473	07/25/11 16:48	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: B-125 (7-8)

Lab Sample ID: 360-35298-11

Date Collected: 07/21/11 08:24
Date Received: 07/22/11 10:00

Matrix: Solid
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3546			77693	07/28/11 15:55	VMM	TAL WFD
Total/NA	Analysis	8270C		1	77765	07/29/11 17:42	CMR	TAL WFD
Total/NA	Prep	3546			77698	07/29/11 02:29	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		10	77745	07/30/11 00:09	BRB	TAL WFD
SPLP East	Leach	1312			53288	07/26/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			53346	07/27/11 12:57	MH	TAL CT
SPLP East	Analysis	6010B		1	53397	07/28/11 13:00	JFV	TAL CT
Total/NA	Prep	3050B			77419	07/25/11 08:31	OG	TAL WFD
Total/NA	Analysis	6010B		1	77473	07/25/11 16:51	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: HA-131 (1-2)

Lab Sample ID: 360-35298-12

Date Collected: 07/21/11 08:40
Date Received: 07/22/11 10:00

Matrix: Solid
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3546			77693	07/28/11 15:55	VMM	TAL WFD
Total/NA	Analysis	8270C		5	77765	07/29/11 18:13	CMR	TAL WFD
Total/NA	Prep	3546			77698	07/29/11 02:29	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		10	77745	07/30/11 00:44	BRB	TAL WFD
SPLP East	Leach	1312			53288	07/26/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			53346	07/27/11 12:57	MH	TAL CT
SPLP East	Analysis	6010B		1	53397	07/28/11 13:03	JFV	TAL CT
Total/NA	Prep	3050B			77419	07/25/11 08:31	OG	TAL WFD
Total/NA	Analysis	6010B		1	77473	07/25/11 17:00	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: B-129 (3.5-4.5)

Lab Sample ID: 360-35298-13
Date Collected: 07/21/11 12:15
Matrix: Solid
Date Received: 07/22/11 10:00
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3546			77693	07/28/11 15:55	VMM	TAL WFD
Total/NA	Analysis	8270C		5	77765	07/29/11 18:44	CMR	TAL WFD
Total/NA	Prep	3546			77698	07/29/11 02:29	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		10	77745	07/30/11 01:18	BRB	TAL WFD
SPLP East	Leach	1312			53288	07/26/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			53346	07/27/11 12:57	MH	TAL CT
SPLP East	Analysis	6010B		1	53397	07/28/11 13:06	JFV	TAL CT
Total/NA	Prep	3050B			77419	07/25/11 08:31	OG	TAL WFD
Total/NA	Analysis	6010B		1	77473	07/25/11 17:03	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: B-129 (3')

Lab Sample ID: 360-35298-14
Date Collected: 07/21/11 12:20
Matrix: Solid
Date Received: 07/22/11 10:00
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			77635	07/27/11 09:07	SS	TAL WFD
Total/NA	Analysis	8260B		10	77576	07/27/11 17:53	SS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: B-129 (8')

Lab Sample ID: 360-35298-15
Date Collected: 07/21/11 12:25
Matrix: Solid
Date Received: 07/22/11 10:00
Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			77464	07/25/11 08:21	SS	TAL WFD
Total/NA	Analysis	8260B		1	77466	07/25/11 18:37	SS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: B-128 (1-2)

Lab Sample ID: 360-35298-16
Date Collected: 07/21/11 12:45
Matrix: Solid
Date Received: 07/22/11 10:00
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3546			77693	07/28/11 15:55	VMM	TAL WFD
Total/NA	Analysis	8270C		1	77765	07/29/11 19:14	CMR	TAL WFD
Total/NA	Prep	3546			77698	07/29/11 02:29	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		1	77745	07/30/11 01:53	BRB	TAL WFD
SPLP East	Leach	1312			53288	07/26/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			53346	07/27/11 12:57	MH	TAL CT
SPLP East	Analysis	6010B		1	53397	07/28/11 13:09	JFV	TAL CT
Total/NA	Prep	3050B			77419	07/25/11 08:31	OG	TAL WFD
Total/NA	Analysis	6010B		1	77473	07/25/11 17:06	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: B-128 (3')

Lab Sample ID: 360-35298-17

Date Collected: 07/21/11 12:50
Date Received: 07/22/11 10:00

Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			77464	07/25/11 08:21	SS	TAL WFD
Total/NA	Analysis	8260B		1	77466	07/25/11 19:00	SS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: B-128 (8)

Lab Sample ID: 360-35298-18

Date Collected: 07/21/11 13:00
Date Received: 07/22/11 10:00

Matrix: Solid
Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			77464	07/25/11 08:21	SS	TAL WFD
Total/NA	Analysis	8260B		1	77466	07/25/11 19:22	SS	TAL WFD
Total/NA	Analysis	Moisture		1	77378	07/22/11 14:29	OG	TAL WFD

Client Sample ID: TB-1

Lab Sample ID: 360-35298-19

Date Collected: 07/21/11 07:00
Date Received: 07/22/11 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	77478	07/25/11 14:25	TH	TAL WFD

Client Sample ID: EB-1

Lab Sample ID: 360-35298-20

Date Collected: 07/21/11 16:00
Date Received: 07/22/11 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	77478	07/25/11 14:46	TH	TAL WFD
Total/NA	Prep	3510C			77461	07/25/11 18:02	VMM	TAL WFD
Total/NA	Analysis	8270C		1	77595	07/27/11 17:13	CMR	TAL WFD
Total/NA	Prep	3510C			77519	07/26/11 14:43	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		1	77618	07/28/11 00:00	BRB	TAL WFD
Total/NA	Prep	3010A			77628	07/28/11 08:25	OG	TAL WFD
Total/NA	Analysis	6010B		1	77707	07/28/11 15:26	TJS	TAL WFD

Laboratory References:
TAL CT = TestAmerica Connecticut, 128 Long Hill Cross Road, Shelton, CT 06484, TEL (203)929-8140
TAL WFD = TestAmerica Westfield, Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085, TEL (413)572-4000

Certification Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 116 Cook

TestAmerica Job ID: 360-35298-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Westfield	Connecticut	State Program	1	PH-0494
TestAmerica Westfield	Maine	State Program	1	MA00014
TestAmerica Westfield	Massachusetts	State Program	1	M-MA014
TestAmerica Westfield	New Hampshire	NELAC	1	2539
TestAmerica Westfield	New York	NELAC	2	10843
TestAmerica Westfield	North Carolina	North Carolina DENR	4	647
TestAmerica Westfield	Rhode Island	State Program	1	LAO00057
TestAmerica Westfield	Vermont	State Program	1	VT-10843
TestAmerica Connecticut	Connecticut	State Program	1	PH-0497
TestAmerica Connecticut	Massachusetts	State Program	1	M-CT023
TestAmerica Connecticut	New Jersey	NELAC	2	CT410
TestAmerica Connecticut	New York	NELAC	2	10602
TestAmerica Connecticut	NRC	NRC		06-30139-01
TestAmerica Connecticut	Rhode Island	State Program	1	LAO00226
TestAmerica Connecticut	USDA	USDA		P330-11-00082

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

State Accreditation Matrix

Method Name	Description	State where **Primary** Accreditation is Carried			
		New Hampshire (NELAC)	Mass	Conn	North Carolina
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)	NP			
SM 4500 Cl F	Chlorine, Residual		NP		
SM 9215E	Heterotrophic Plate Count (SimPlate)		P		
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP		
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P		
SM 9224	Coliforms, Total, and E.Coli (Enumeration)		P		
1103.1	E.coli		ambient/ source		
Enterolert	Enterococcus				
200.8 Rev 5.4	Metals (ICP/MS) (list upon request)	NP/P	NP/P		
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P		
6010B	Metals (ICP)(list upon request)	NP/SW			
245.1	Mercury (CVAA)	NP/P	NP		
7470A	Mercury (CVAA)	NP			
7471A	Mercury (CVAA)	SW			
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP		
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P			
3010A	Preparation, Total Metals	NP/P			
3020A	Preparation, Total Metals	NP/P/SW			
3050B	Preparation, Metals	SW			
504.1	EDB, DBCP and 1,2,3-TCP (GC)	P	P		
608	Organochlorine Pest/PCBs (list upon request)	NP	NP		
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP	NP		
3546	Microwave Extraction	SW			
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP			
3550B	Ultrasonic Extraction	SW			
8081A	Organochlorine Pesticides (GC)(list upon request)	NP/SW			
8082	PCBs by Gas Chromatography(list upon request)	NP/SW			
8270C	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW			
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)			NP/SW	
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)				NP/SW
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P		
524.2	Trihalomethane compounds	P	P		
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP		
5035	Closed System Purge and Trap	SW			
5030B	Purge and Trap	NP			
8260B	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW			
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)				NP/SW
180.1	Turbidity, Nephelometric	P	P		
300	Anions, Ion Chromatography	NP/P	NP/P		
410.4	COD	NP	NP		
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW			
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP		
7196A	Chromium, Hexavalent	NP/SW			
9012A	Cyanide, Total and/or Amenable	NP/SW			
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP			
9045C	pH	SW			
L107041C	Nitrogen, Nitrate	NP	P		
L107-06-1B	Nitrogen Ammonia	NP	NP		
L204001A CN	Cyanide, Total	P	NP/P		
L210-001A	Phenolics, Total Recoverable	NP	NP		
SM 2320B	Alkalinity	NP/P	NP/P		
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P		
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P		
SM 2540D	Solids, Total Suspended (TSS)	NP	NP		
SM 3500 CR D	Chromium, Hexavalent	NP			
SM 4500 H+ B	pH	NP/P	NP/P		
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P		
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP		
SM 4500 P E	Phosphorus, Total	NP	NP		
SM 4500 S2 D	Sulfide, Total	NP			
SM 5210B	BOD, 5-Day	NP	NP		
SM 5310B	Organic Carbon, Total (TOC)	NP/P	NP		

Not all organic compounds are accreditied under NELAC
For methods with multiple compounds all compounds may not meet NELAC criteria, listing should be obtained from the laboratory
The lab carries additional accreditations with several states. This is the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Login Sample Receipt Checklist

Client: Tighe & Bond

Job Number: 360-35298-1

Login Number: 35298
List Number: 1
Creator: Ard, Vanessa L

List Source: TestAmerica Westfield

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Tighe & Bond

Job Number: 360-35298-1

Login Number: 35298
List Number: 1
Creator: Keene, Angela H

List Source: TestAmerica Connecticut
List Creation: 07/26/11 10:52 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	7/26/11
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Gun # 4: 5.8c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Westfield
53 Southampton Road

Westfield, MA 01085
phone 413.572.4000 fax 413.572.3707

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Jim Olsen	Site Contact: Meghan Schaub	Date: 7-21-11	COC No:
Tighe & Bond	Tel/Fax:	Lab Contact: Becky Mason	Carrier:	1 of 2 COCs
213 Court St Suite 900	Analysis Turnaround Time			Job No.
Middletown/CT/06457	Calendar (C) or Work Days (W) _____			
860-977-8647	TAT if different from Below standard			
no fax	☐ 2 weeks			SDG No.
Project Name: Meriden Brownfields	☐ 1 week			
Site: 116 Cook	☐ 2 days			
P O # 22-0817	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs 8260	PAHs 8270	CT ETPH	Metals - Mass and SPLP	Sample Specific Notes:
B-115 (2-3)	7/21/11	0900	G	S	2			x	x	x	
B-116 (1.5-3)	7/21/11	0911	G	S	2			x	x	x	
B-117 (2.5-3.5)	7/21/11	0935	G	S	2			x	x	x	
B-118 (1-2)	7/21/11	0941	G	S	2			x	x	x	
B-119 (3-4)	7/21/11	0947	G	S	2			x	x	x	
B-120 (2.5-3.5)	7/21/11	1025	G	S	2			x	x	x	
B-121 (2.5-3.5)	7/21/11	1008	G	S	2			x	x	x	
B-122 (2-3)	7/21/11	0852	G	S	2			x	x	x	
B-123 (3-4)	7/21/11	0714	G	S	2			x	x	x	
B-124 (3-4)	7/21/11	0740	G	S	4			x	x	x	
B-125 (7-8)	7/21/11	0824	G	S	2			x	x	x	
HA-131 (1-2)	7/21/11	0840	G	S	2			x	x	x	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☑ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: Metals: Both mass and SPLP for Arsenic, Antimony, Copper, and Lead. Price Quote: Meriden Brownfields
RSR criteria, RCP protocols
4.0/4.0/100

Relinquished by:	Company: Tighe & Bond	Date/Time: 7-21-11 / 1700	Received by: T&B sample fridge	Company: T&B	Date/Time: 7-21-11 / 1700
Relinquished by:	Company: TTB	Date/Time: 7/22/11 0900	Received by:	Company: T	Date/Time: 7-22-11 0900
Relinquished by:	Company: 100 7-21-11	Date/Time:	Received by:	Company:	Date/Time: 7/22/11 1000

Form No. CA-C-WI-002, dated 04/07/2011

Westfield
53 Southampton Road

Westfield, MA 01085
phone 413.572.4000 fax 413.572.3707

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Jim Olsen	Site Contact: Meghan Schaub	Date: 7-21-11	COC No:
Tighe & Bond	Tel/Fax:	Lab Contact: Becky Mason	Carrier:	2 of 2 COCs
213 Court St Suite 900	Analysis Turnaround Time			Job No.
Middletown/CT/06457	Calendar (C) or Work Days (W) _____			
860-977-8647	TAT if different from Below standard			SDG No.
no fax	☐ 2 weeks			
Project Name: Meriden Brownfields	☐ 1 week			
Site: 116 Cook	☐ 2 days			
P O # 22-0817	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs 8260	PAHs 8270	CT ETPH	Metals - Mass and SPLP	Sample Specific Notes:
B-128 (3.5-4.5)	7/21/11	1215	G	S	2			X	X	X	
B-129 (3')	7/21/11	1220	G	S	4		X				
B-129 (8')	7/21/11	1225	G	S	4		X				
B-128 (1-2)	7/21/11	1245	G	S	2			X	X	X	
B-128 (3')	7/21/11	1250	G	S	4		X				
B-128 (8')	7/21/11	1300	G	S	4		X				
TB-1	7/21/11	0700	G	W	2		X				
EB-1	7/21/11	1600	G	W	8		X	X	X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: Metals: Both mass and SPLP for Arsenic, Antimony, Copper, and Lead. Price Quote: Meriden Brownfields 4.0/4.0/ICP

EB-1 - no SPLP metals

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Tighe & Bond	7-21-11 / 1700	T&B sample fridge	T&B	7-21-11 / 1700
[signature]	T+B	7/22/11 0800	[signature]		7-22-11 0800
[signature]	1000 7/22/11		[signature]		7/22/11 1000

Form No. CA-C-WI-002, dated 04/07/2011

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Westfield
Westfield Executive Park
53 Southampton Road
Westfield, MA 01085
Tel: (413)572-4000

TestAmerica Job ID: 360-35974-1
Client Project/Site: Meriden Brownfields 22-0817

For:
Tighe & Bond
213 Court Street
Middletown, Connecticut 06457

Attn: Jim Olsen

Authorized for release by:
09/08/2011 10:37:17 AM
Joe Chimi
Report Production Representative
joe.chimi@testamericainc.com

Designee for

Becky Mason
Project Manager II
becky.mason@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Detection Summary 9
Method Summary 11
Sample Summary 12
Client Sample Results 13
Definitions 29
QC Association 30
Surrogate Summary 34
QC Sample Results 36
Chronicle 60
Certification Summary 62
Receipt Checklists 64
Chain of Custody 66

Job ID: 360-35974-1

Laboratory: TestAmerica Westfield

Narrative

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 08/26/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.6 C.

Regarding questions 5a and 5b on the CT RCP certification form, the laboratory has evaluated reporting limits against the most stringent class criteria in the absence of a specified class on the chain-of-custody.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples HA-127 (360-35974-1), HA-130 (360-35974-2), DUP-1 (360-35974-3) and Trip Blank (360-35974-5) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B (RCP). The samples were prepared and analyzed on 09/02/2011.

All samples submitted in water preserved vials for volatile analysis were placed in the laboratory's freezer on 0826/2011 at 1240.

Chloromethane and Dichlorodifluoromethane failed the recovery criteria low for LCS 360-79466/1-A. Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane and Vinyl chloride failed the recovery criteria low for LCS 360-79490/1-A. Refer to the QC report for details.

The result for Methylene Chloride in sample HA-127 (360-35974-1) is believed to be due to laboratory contamination.

The calibration curve used quadratic regression for cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 1,3-Dichloropropane, Ethylene Dibromide, Ethylbenzene, m-Xylene & p-Xylene, Bromoform, N-Propylbenzene, 2-Chlorotoluene, 4-Chlorotoluene, 1,2,4-Trimethylbenzene, sec-Butylbenzene, 4-Isopropyltoluene, 1,3-Dichlorobenzene and 1,3,5-Trimethylbenzene.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

Sample HA-130 (360-35974-2)[5X] required dilution prior to analysis due to high target concentration. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample EB-2 (360-35974-4) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B (RCP). The sample was analyzed on 08/29/2011.

Dichlorodifluoromethane failed the recovery criteria low for LCS 360-79141/3. Carbon disulfide failed the recovery criteria high. Refer to the QC report for details.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program

Job ID: 360-35974-1 (Continued)

Laboratory: TestAmerica Westfield (Continued)

and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No other difficulties were encountered during the VOC analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - LOW LEVEL
Sample EB-2 (360-35974-4) was analyzed for semivolatile organic compounds (GC-MS) - Low Level in accordance with SW846 8270C LL. The sample was prepared on 08/30/2011 and analyzed on 08/31/2011.

At the request of the client, an abbreviated RCP compound list (PAH's only) was reported for this job.

No difficulties were encountered during the SVOC Low Level analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples HA-127 (360-35974-1), HA-130 (360-35974-2) and DUP-1 (360-35974-3) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 08/30/2011 and analyzed on 09/01/2011.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form

Samples HA-127 (360-35974-1)[5X], HA-130 (360-35974-2)[5X] and DUP-1 (360-35974-3)[5X] required dilution prior to analysis due to dark, black color. The reporting limits have been adjusted accordingly.

At the request of the client, an abbreviated RCP compound list (PAH's only) was reported for this job.

No difficulties were encountered during the semivolatiles analyses.

All quality control parameters were within the acceptance limits.

EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS
Samples HA-127 (360-35974-1), HA-130 (360-35974-2) and DUP-1 (360-35974-3) were analyzed for extractable total petroleum hydrocarbons in accordance with CT ETPH. The samples were prepared on 08/29/2011 and analyzed on 09/02/2011.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

Samples HA-127 (360-35974-1)[5X], HA-130 (360-35974-2)[5X] and DUP-1 (360-35974-3)[5X] required dilution prior to analysis due to high concentration. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the ETPH analyses.

All quality control parameters were within the acceptance limits.

EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS
Sample EB-2 (360-35974-4) was analyzed for extractable total petroleum hydrocarbons in accordance with State CT ETPH. The sample was prepared on 08/31/2011 and analyzed on 09/01/2011.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC

Job ID: 360-35974-1 (Continued)

Laboratory: TestAmerica Westfield (Continued)

Certification form.

No difficulties were encountered during the ETPH analysis.

All quality control parameters were within the acceptance limits.

SPLP METALS
Samples HA-127 (360-35974-1), HA-130 (360-35974-2) and DUP-1 (360-35974-3) were analyzed for SPLP Metals in accordance with EPA SW-846 Methods 1312/6010B (RCP). The samples were leached on 08/29/2011, prepared on 08/31/2011 and analyzed on 08/31/2011 and 09/02/2011.

This analysis was performed at TestAmerica Connecticut, 128 Long Hill Cross Road, Shelton, CT 06484.

Insufficient sample was provided to perform the leaching procedure with the required 100g for the following sample: HA-130 (360-35974-2). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RL's) are not affected.

At the request of the client, an abbreviated RCP analyte list was reported for this job.

No difficulties were encountered during the SPLP metals analyses.

All quality control parameters were within the acceptance limits.

METALS (ICP)
Samples HA-127 (360-35974-1), HA-130 (360-35974-2) and DUP-1 (360-35974-3) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 08/29/2011.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

At the request of the client, an abbreviated RCP analyte list was reported for this job.

No difficulties were encountered during the total metals analyses.

All quality control parameters were within the acceptance limits.

METALS (ICPMS)
Sample EB-2 (360-35974-4) was analyzed for metals (ICPMS) in accordance with EPA SW-846 Method 6020. The sample was prepared on 08/29/2011 and analyzed on 08/30/2011.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

At the request of the client, an abbreviated RCP analyte list was reported for this job.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS
Samples HA-127 (360-35974-1), HA-130 (360-35974-2) and DUP-1 (360-35974-3) were analyzed for percent solids in accordance with EPA Moisture. The samples were analyzed on 08/29/2011.

Job ID: 360-35974-1 (Continued)

Laboratory: TestAmerica Westfield (Continued)

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**Meriden Brownfields**	***Project Number:***	**360-35974-1**
Laboratory Sample ID (s):	**360-35974-(1-5)**	***Sampling Date (s):***	**8/25/11**
Method:	**SW846 8260B, CTRCP 8270, SW846 8270C, STATE CT ETPH, SW846 6010B, SW846 6020**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No √
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes √		No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

This Certification form is to be used for RCP methods only

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/6/11 14:22

The certification form has been electronically signed and approved.

Updated Nov 2007

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	**TestAmerica Connecticut**	***Client:***	**Tigh & Bond**
Project Location:	**Meriden Brownsfields 22-0817**	***Project Number:***	**360-35974**
Laboratory Sample ID (s):	**1-3**	***Sampling Date (s):***	**8/25/11**
RCP Method:	**6010**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes X		No
1A	Were the method specified preservation and holding time requirements met?	Yes X		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A X	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes X		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes X		No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes X		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes X		No
	b) Were these reporting limits met?	Yes X		No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No X
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No X

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Doreen Nemeth Position: Quality Assurance Manager

Printed Name: **Doreen Nemeth** Date:

The certification form has been electronically signed and approved.

Updated November 2007

CTDEP PH-0497

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel:(203)929-8140
Fax:(203)929-8142

Detection Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

Client Sample ID: HA-127 — Lab Sample ID: 360-35974-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Isopropyltoluene	3.5		2.6		ug/Kg	1	☼	8260B	Total/NA
Methylene Chloride	11		10		ug/Kg	1	☼	8260B	Total/NA
Fluoranthene	1500		900		ug/Kg	5	☼	8270C	Total/NA
Phenanthrene	900		900		ug/Kg	5	☼	8270C	Total/NA
Pyrene	1000		900		ug/Kg	5	☼	8270C	Total/NA
Arsenic	3.6		1.3		mg/Kg	1	☼	6010B	Total/NA
Lead	71		0.64		mg/Kg	1	☼	6010B	Total/NA
Copper	98		1.3		mg/Kg	1	☼	6010B	Total/NA
Copper	68		10		ug/L	1		6010B	SPLP East
Lead	43		15		ug/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	190		18		mg/Kg	5	☼	CT ETPH	Total/NA

Client Sample ID: HA-130 — Lab Sample ID: 360-35974-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	85000		1900		ug/Kg	5	☼	8260B	Total/NA
Anthracene	1100		1000		ug/Kg	5	☼	8270C	Total/NA
Benzo[a]anthracene	5200		1000		ug/Kg	5	☼	8270C	Total/NA
Benzo[a]pyrene	4800		1000		ug/Kg	5	☼	8270C	Total/NA
Benzo[b]fluoranthene	6600		1000		ug/Kg	5	☼	8270C	Total/NA
Benzo[g,h,i]perylene	2700		1000		ug/Kg	5	☼	8270C	Total/NA
Benzo[k]fluoranthene	3400		1100		ug/Kg	5	☼	8270C	Total/NA
Chrysene	5700		1000		ug/Kg	5	☼	8270C	Total/NA
Fluoranthene	9900		1000		ug/Kg	5	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	2700		2000		ug/Kg	5	☼	8270C	Total/NA
Phenanthrene	5100		1000		ug/Kg	5	☼	8270C	Total/NA
Pyrene	8600		1000		ug/Kg	5	☼	8270C	Total/NA
Arsenic	7.7		1.6		mg/Kg	1	☼	6010B	Total/NA
Lead	180		0.79		mg/Kg	1	☼	6010B	Total/NA
Copper	1700		1.6		mg/Kg	1	☼	6010B	Total/NA
Antimony	6.2		0.79		mg/Kg	1	☼	6010B	Total/NA
Copper	450		10		ug/L	1		6010B	SPLP East
Lead	25		15		ug/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	620		20		mg/Kg	5	☼	CT ETPH	Total/NA

Client Sample ID: DUP-1 — Lab Sample ID: 360-35974-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Isopropyltoluene	4.4		4.1		ug/Kg	1	☼	8260B	Total/NA
Fluoranthene	1100		890		ug/Kg	5	☼	8270C	Total/NA
Arsenic	4.5		1.3		mg/Kg	1	☼	6010B	Total/NA
Lead	79		0.64		mg/Kg	1	☼	6010B	Total/NA
Copper	61		1.3		mg/Kg	1	☼	6010B	Total/NA
Copper	63		10		ug/L	1		6010B	SPLP East
Lead	41		15		ug/L	1		6010B	SPLP East

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	230		18		mg/Kg	5	☼	CT ETPH	Total/NA

Client Sample ID: EB-2 — Lab Sample ID: 360-35974-4

No Detections

Detection Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

Client Sample ID: Trip Blank **Lab Sample ID: 360-35974-5**

No Detections

Method Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL WFD
8270	Semivolatile Compounds (GC/MS) Low level	CTRCP	TAL WFD
8270C	Semivolatile Compounds (GC/MS)	SW846	TAL WFD
CT ETPH	Connecticut - Extractable Total petroleum Hydrocarbons (GC)	STATE	TAL WFD
6010B	Metals (ICP)	SW846	TAL CT
6010B	Metals (ICP)	SW846	TAL WFD
6020	Metals (ICP/MS)	SW846	TAL WFD
Moisture	Percent Moisture	EPA	TAL WFD

Protocol References:

CTRCP = Connecticut Reasonable Confidence Protocols

EPA = US Environmental Protection Agency

STATE = State of Connecticut Department of Public Health

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CT = TestAmerica Connecticut, 128 Long Hill Cross Road, Shelton, CT 06484, TEL (203)929-8140

TAL WFD = TestAmerica Westfield, Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085, TEL (413)572-4000

Sample Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
360-35974-1	HA-127	Solid	08/25/11 09:00	08/26/11 10:20
360-35974-2	HA-130	Solid	08/25/11 10:00	08/26/11 10:20
360-35974-3	DUP-1	Solid	08/25/11 12:00	08/26/11 10:20
360-35974-4	EB-2	Water	08/25/11 12:00	08/26/11 10:20
360-35974-5	Trip Blank	Solid	08/25/11 09:00	08/26/11 10:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: HA-127
Date Collected: 08/25/11 09:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-1
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,1,1-Trichloroethane	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,1,2,2-Tetrachloroethane	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,1,2-Trichloroethane	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,1-Dichloroethane	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,1-Dichloroethene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,1-Dichloropropene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,2,3-Trichlorobenzene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,2,3-Trichloropropane	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,2,4-Trichlorobenzene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,2,4-Trimethylbenzene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,2-Dibromo-3-Chloropropane	ND		26		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,2-Dichlorobenzene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,2-Dichloroethane	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,2-Dichloropropane	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,3,5-Trimethylbenzene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,3-Dichlorobenzene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,3-Dichloropropane	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
1,4-Dichlorobenzene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
2,2-Dichloropropane	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
2-Butanone (MEK)	ND		26		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
2-Chlorotoluene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
2-Hexanone	ND		26		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
4-Chlorotoluene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
4-Isopropyltoluene	**3.5**		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
4-Methyl-2-pentanone (MIBK)	ND		26		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Acetone	ND		260		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Acrylonitrile	ND		26		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Benzene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Bromobenzene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Bromoform	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Bromomethane	ND		5.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Carbon disulfide	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Carbon tetrachloride	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Chlorobenzene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Chlorodibromomethane	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Chloroethane	ND		5.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Chloroform	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Chloromethane	ND	*	5.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
cis-1,2-Dichloroethene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
cis-1,3-Dichloropropene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Dibromomethane	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Dichlorobromomethane	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Dichlorodifluoromethane	ND	*	5.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Ethylbenzene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Ethylene Dibromide	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Hexachlorobutadiene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Isopropylbenzene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA-127
Date Collected: 08/25/11 09:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-1
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Methyl tert-butyl ether	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Methylene Chloride	**11**		10		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
n-Butylbenzene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
N-Propylbenzene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Naphthalene	ND		26		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
o-Xylene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
sec-Butylbenzene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Styrene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
tert-Butylbenzene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Tetrachloroethene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Tetrahydrofuran	ND		26		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Toluene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
trans-1,2-Dichloroethene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
trans-1,3-Dichloropropene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
trans-1,4-Dichloro-2-butene	ND		5.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Trichloroethene	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Trichlorofluoromethane	ND		5.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Vinyl chloride	ND		2.6		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1
Xylenes, Total	ND		5.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:08	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*70 - 130*	*09/02/11 09:00*	*09/02/11 12:08*	*1*
Dibromofluoromethane	*110*		*70 - 130*	*09/02/11 09:00*	*09/02/11 12:08*	*1*
Toluene-d8 (Surr)	*90*		*70 - 130*	*09/02/11 09:00*	*09/02/11 12:08*	*1*

Client Sample ID: HA-130
Date Collected: 08/25/11 10:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-2
Matrix: Solid
Percent Solids: 80.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,1,1-Trichloroethane	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,1,2,2-Tetrachloroethane	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9300		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,1,2-Trichloroethane	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,1-Dichloroethane	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,1-Dichloroethene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,1-Dichloropropene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,2,3-Trichlorobenzene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,2,3-Trichloropropane	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,2,4-Trichlorobenzene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,2,4-Trimethylbenzene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,2-Dibromo-3-Chloropropane	ND		19000		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,2-Dichlorobenzene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,2-Dichloroethane	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,2-Dichloropropane	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,3,5-Trimethylbenzene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,3-Dichlorobenzene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
1,3-Dichloropropane	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA-130
Date Collected: 08/25/11 10:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-2
Matrix: Solid
Percent Solids: 80.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
2,2-Dichloropropane	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
2-Butanone (MEK)	ND		19000		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
2-Chlorotoluene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
2-Hexanone	ND		19000		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
4-Chlorotoluene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
4-Isopropyltoluene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
4-Methyl-2-pentanone (MIBK)	ND		19000		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Acetone	ND		190000		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Acrylonitrile	ND		19000		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Benzene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Bromobenzene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Bromoform	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Bromomethane	ND	*	3700		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Carbon disulfide	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Carbon tetrachloride	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Chlorobenzene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Chlorodibromomethane	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Chloroethane	ND	*	3700		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Chloroform	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Chloromethane	ND	*	3700		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
cis-1,2-Dichloroethene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
cis-1,3-Dichloropropene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Dibromomethane	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Dichlorobromomethane	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Dichlorodifluoromethane	ND	*	3700		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Ethylbenzene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Ethylene Dibromide	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Hexachlorobutadiene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Isopropylbenzene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
m-Xylene & p-Xylene	ND		3700		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Methyl tert-butyl ether	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Methylene Chloride	ND		7400		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
n-Butylbenzene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
N-Propylbenzene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Naphthalene	ND		19000		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
o-Xylene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
sec-Butylbenzene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Styrene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
tert-Butylbenzene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Tetrachloroethene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Tetrahydrofuran	ND		19000		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Toluene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
trans-1,2-Dichloroethene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
trans-1,3-Dichloropropene	ND		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
trans-1,4-Dichloro-2-butene	ND		3700		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Trichloroethene	**85000**		1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Trichlorofluoromethane	ND		3700		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5
Vinyl chloride	ND	*	1900		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA-130
Date Collected: 08/25/11 10:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-2
Matrix: Solid
Percent Solids: 80.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		3700		ug/Kg	☼	09/02/11 10:00	09/02/11 16:37	5

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*	*09/02/11 10:00*	*09/02/11 16:37*	*5*
Dibromofluoromethane	*106*		*70 - 130*	*09/02/11 10:00*	*09/02/11 16:37*	*5*
Toluene-d8 (Surr)	*94*		*70 - 130*	*09/02/11 10:00*	*09/02/11 16:37*	*5*

Client Sample ID: DUP-1
Date Collected: 08/25/11 12:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-3
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,1,1-Trichloroethane	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,1,2,2-Tetrachloroethane	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		21		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,1,2-Trichloroethane	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,1-Dichloroethane	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,1-Dichloroethene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,1-Dichloropropene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,2,3-Trichlorobenzene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,2,3-Trichloropropane	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,2,4-Trichlorobenzene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,2,4-Trimethylbenzene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,2-Dibromo-3-Chloropropane	ND		41		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,2-Dichlorobenzene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,2-Dichloroethane	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,2-Dichloropropane	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,3,5-Trimethylbenzene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,3-Dichlorobenzene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,3-Dichloropropane	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
1,4-Dichlorobenzene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
2,2-Dichloropropane	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
2-Butanone (MEK)	ND		41		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
2-Chlorotoluene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
2-Hexanone	ND		41		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
4-Chlorotoluene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
4-Isopropyltoluene	**4.4**		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
4-Methyl-2-pentanone (MIBK)	ND		41		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Acetone	ND		410		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Acrylonitrile	ND		41		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Benzene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Bromobenzene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Bromoform	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Bromomethane	ND		8.3		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Carbon disulfide	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Carbon tetrachloride	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Chlorobenzene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Chlorodibromomethane	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Chloroethane	ND		8.3		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: DUP-1
Date Collected: 08/25/11 12:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-3
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Chloromethane	ND	*	8.3		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
cis-1,3-Dichloropropene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Dibromomethane	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Dichlorobromomethane	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Dichlorodifluoromethane	ND	*	8.3		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Ethylbenzene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Ethylene Dibromide	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Hexachlorobutadiene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Isopropylbenzene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
m-Xylene & p-Xylene	ND		8.3		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Methyl tert-butyl ether	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Methylene Chloride	ND		17		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
n-Butylbenzene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
N-Propylbenzene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Naphthalene	ND		41		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
o-Xylene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
sec-Butylbenzene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Styrene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
tert-Butylbenzene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Tetrachloroethene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Tetrahydrofuran	ND		41		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Toluene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
trans-1,2-Dichloroethene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
trans-1,3-Dichloropropene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
trans-1,4-Dichloro-2-butene	ND		8.3		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Trichloroethene	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Trichlorofluoromethane	ND		8.3		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Vinyl chloride	ND		4.1		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1
Xylenes, Total	ND		8.3		ug/Kg	☼	09/02/11 09:00	09/02/11 12:31	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*70 - 130*	*09/02/11 09:00*	*09/02/11 12:31*	*1*
Dibromofluoromethane	*107*		*70 - 130*	*09/02/11 09:00*	*09/02/11 12:31*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*	*09/02/11 09:00*	*09/02/11 12:31*	*1*

Client Sample ID: EB-2
Date Collected: 08/25/11 12:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			08/29/11 15:49	1
1,1,1-Trichloroethane	ND		1.0		ug/L			08/29/11 15:49	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/11 15:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			08/29/11 15:49	1
1,1,2-Trichloroethane	ND		1.0		ug/L			08/29/11 15:49	1
1,1-Dichloroethane	ND		1.0		ug/L			08/29/11 15:49	1
1,1-Dichloroethene	ND		1.0		ug/L			08/29/11 15:49	1
1,1-Dichloropropene	ND		1.0		ug/L			08/29/11 15:49	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EB-2
Date Collected: 08/25/11 12:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/11 15:49	1
1,2,3-Trichloropropane	ND		1.0		ug/L			08/29/11 15:49	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/11 15:49	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			08/29/11 15:49	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			08/29/11 15:49	1
1,2-Dichlorobenzene	ND		1.0		ug/L			08/29/11 15:49	1
1,2-Dichloroethane	ND		1.0		ug/L			08/29/11 15:49	1
1,2-Dichloropropane	ND		1.0		ug/L			08/29/11 15:49	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			08/29/11 15:49	1
1,3-Dichlorobenzene	ND		1.0		ug/L			08/29/11 15:49	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/11 15:49	1
1,4-Dichlorobenzene	ND		1.0		ug/L			08/29/11 15:49	1
2,2-Dichloropropane	ND		1.0		ug/L			08/29/11 15:49	1
2-Butanone (MEK)	ND		10		ug/L			08/29/11 15:49	1
2-Chlorotoluene	ND		1.0		ug/L			08/29/11 15:49	1
2-Hexanone	ND		10		ug/L			08/29/11 15:49	1
4-Chlorotoluene	ND		1.0		ug/L			08/29/11 15:49	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/11 15:49	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			08/29/11 15:49	1
Acetone	ND		50		ug/L			08/29/11 15:49	1
Acrylonitrile	ND		0.50		ug/L			08/29/11 15:49	1
Benzene	ND		1.0		ug/L			08/29/11 15:49	1
Bromobenzene	ND		1.0		ug/L			08/29/11 15:49	1
Bromoform	ND		1.0		ug/L			08/29/11 15:49	1
Bromomethane	ND		2.0		ug/L			08/29/11 15:49	1
Carbon disulfide	ND	*	10		ug/L			08/29/11 15:49	1
Carbon tetrachloride	ND		1.0		ug/L			08/29/11 15:49	1
Chlorobenzene	ND		1.0		ug/L			08/29/11 15:49	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/11 15:49	1
Chloroethane	ND		2.0		ug/L			08/29/11 15:49	1
Chloroform	ND		1.0		ug/L			08/29/11 15:49	1
Chloromethane	ND		2.0		ug/L			08/29/11 15:49	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			08/29/11 15:49	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			08/29/11 15:49	1
Dibromomethane	ND		1.0		ug/L			08/29/11 15:49	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/11 15:49	1
Dichlorodifluoromethane	ND	*	1.0		ug/L			08/29/11 15:49	1
Ethylbenzene	ND		1.0		ug/L			08/29/11 15:49	1
Ethylene Dibromide	ND		1.0		ug/L			08/29/11 15:49	1
Hexachlorobutadiene	ND		0.40		ug/L			08/29/11 15:49	1
Isopropylbenzene	ND		1.0		ug/L			08/29/11 15:49	1
m-Xylene & p-Xylene	ND		2.0		ug/L			08/29/11 15:49	1
Methyl tert-butyl ether	ND		1.0		ug/L			08/29/11 15:49	1
Methylene Chloride	ND		2.0		ug/L			08/29/11 15:49	1
n-Butylbenzene	ND		1.0		ug/L			08/29/11 15:49	1
N-Propylbenzene	ND		1.0		ug/L			08/29/11 15:49	1
Naphthalene	ND		5.0		ug/L			08/29/11 15:49	1
o-Xylene	ND		1.0		ug/L			08/29/11 15:49	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/11 15:49	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EB-2
Date Collected: 08/25/11 12:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0		ug/L			08/29/11 15:49	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/11 15:49	1
Tetrachloroethene	ND		1.0		ug/L			08/29/11 15:49	1
Tetrahydrofuran	ND		10		ug/L			08/29/11 15:49	1
Toluene	ND		1.0		ug/L			08/29/11 15:49	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			08/29/11 15:49	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			08/29/11 15:49	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			08/29/11 15:49	1
Trichloroethene	ND		1.0		ug/L			08/29/11 15:49	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/11 15:49	1
Vinyl chloride	ND		0.50		ug/L			08/29/11 15:49	1
Xylenes, Total	ND		1.0		ug/L			08/29/11 15:49	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*08/29/11 15:49*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*08/29/11 15:49*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*08/29/11 15:49*	*1*

Client Sample ID: Trip Blank
Date Collected: 08/25/11 09:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,1,1-Trichloroethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,1,2,2-Tetrachloroethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,1,2-Trichloroethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,1-Dichloroethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,1-Dichloroethene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,1-Dichloropropene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,2,3-Trichlorobenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,2,3-Trichloropropane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,2,4-Trichlorobenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,2,4-Trimethylbenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,2-Dibromo-3-Chloropropane	ND		25		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,2-Dichlorobenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,2-Dichloroethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,2-Dichloropropane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,3,5-Trimethylbenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,3-Dichlorobenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,3-Dichloropropane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
1,4-Dichlorobenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
2,2-Dichloropropane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
2-Butanone (MEK)	ND		25		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
2-Chlorotoluene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
2-Hexanone	ND		25		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
4-Chlorotoluene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
4-Isopropyltoluene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/Kg		09/02/11 09:00	09/02/11 12:53	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: Trip Blank
Date Collected: 08/25/11 09:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		250		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Acrylonitrile	ND		25		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Benzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Bromobenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Bromoform	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Bromomethane	ND		5.0		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Carbon disulfide	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Carbon tetrachloride	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Chlorobenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Chlorodibromomethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Chloroethane	ND		5.0		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Chloroform	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Chloromethane	ND	*	5.0		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
cis-1,2-Dichloroethene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
cis-1,3-Dichloropropene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Dibromomethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Dichlorobromomethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Dichlorodifluoromethane	ND	*	5.0		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Ethylbenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Ethylene Dibromide	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Hexachlorobutadiene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Isopropylbenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
m-Xylene & p-Xylene	ND		5.0		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Methyl tert-butyl ether	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Methylene Chloride	ND		10		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
n-Butylbenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
N-Propylbenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Naphthalene	ND		25		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
o-Xylene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
sec-Butylbenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Styrene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
tert-Butylbenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Tetrachloroethene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Tetrahydrofuran	ND		25		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Toluene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
trans-1,2-Dichloroethene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
trans-1,3-Dichloropropene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Trichloroethene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Trichlorofluoromethane	ND		5.0		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Vinyl chloride	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 12:53	1
Xylenes, Total	ND		5.0		ug/Kg		09/02/11 09:00	09/02/11 12:53	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*70 - 130*	*09/02/11 09:00*	*09/02/11 12:53*	*1*
Dibromofluoromethane	*104*		*70 - 130*	*09/02/11 09:00*	*09/02/11 12:53*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*09/02/11 09:00*	*09/02/11 12:53*	*1*

Method: 8270C - Semivolatile Compounds (GC/MS)

Client Sample ID: HA-127
Date Collected: 08/25/11 09:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-1
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		900		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5
Acenaphthene	ND		900		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5
Anthracene	ND		900		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5
Benzo[a]anthracene	ND		900		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5
Benzo[a]pyrene	ND		900		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5
Acenaphthylene	ND		900		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5
Benzo[b]fluoranthene	ND		900		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5
Benzo[g,h,i]perylene	ND		900		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5
Benzo[k]fluoranthene	ND		960		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5
Chrysene	ND		900		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5
Dibenz(a,h)anthracene	ND		900		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5
Fluoranthene	**1500**		900		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5
Fluorene	ND		900		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5
Indeno[1,2,3-cd]pyrene	ND		1800		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5
Naphthalene	ND		900		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5
Phenanthrene	**900**		900		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5
Pyrene	**1000**		900		ug/Kg	☼	08/30/11 19:00	09/01/11 21:47	5

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*50*		*30 - 130*	*08/30/11 19:00*	*09/01/11 21:47*	*5*
2-Fluorobiphenyl	*49*		*30 - 130*	*08/30/11 19:00*	*09/01/11 21:47*	*5*
Terphenyl-d14 (Surr)	*50*		*30 - 130*	*08/30/11 19:00*	*09/01/11 21:47*	*5*

Client Sample ID: HA-130
Date Collected: 08/25/11 10:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-2
Matrix: Solid
Percent Solids: 80.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		1000		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5
Acenaphthene	ND		1000		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5
Anthracene	**1100**		1000		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5
Benzo[a]anthracene	**5200**		1000		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5
Benzo[a]pyrene	**4800**		1000		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5
Acenaphthylene	ND		1000		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5
Benzo[b]fluoranthene	**6600**		1000		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5
Benzo[g,h,i]perylene	**2700**		1000		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5
Benzo[k]fluoranthene	**3400**		1100		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5
Chrysene	**5700**		1000		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5
Dibenz(a,h)anthracene	ND		1000		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5
Fluoranthene	**9900**		1000		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5
Fluorene	ND		1000		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5
Indeno[1,2,3-cd]pyrene	**2700**		2000		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5
Naphthalene	ND		1000		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5
Phenanthrene	**5100**		1000		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5
Pyrene	**8600**		1000		ug/Kg	☼	08/30/11 19:00	09/01/11 22:17	5

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*60*		*30 - 130*	*08/30/11 19:00*	*09/01/11 22:17*	*5*
2-Fluorobiphenyl	*58*		*30 - 130*	*08/30/11 19:00*	*09/01/11 22:17*	*5*
Terphenyl-d14 (Surr)	*57*		*30 - 130*	*08/30/11 19:00*	*09/01/11 22:17*	*5*

Client Sample Results

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

Method: 8270C - Semivolatile Compounds (GC/MS)

Client Sample ID: DUP-1
Date Collected: 08/25/11 12:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-3
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		890		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5
Acenaphthene	ND		890		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5
Anthracene	ND		890		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5
Benzo[a]anthracene	ND		890		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5
Benzo[a]pyrene	ND		890		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5
Acenaphthylene	ND		890		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5
Benzo[b]fluoranthene	ND		890		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5
Benzo[g,h,i]perylene	ND		890		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5
Benzo[k]fluoranthene	ND		950		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5
Chrysene	ND		890		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5
Dibenz(a,h)anthracene	ND		890		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5
Fluoranthene	**1100**		890		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5
Fluorene	ND		890		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5
Indeno[1,2,3-cd]pyrene	ND		1800		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5
Naphthalene	ND		890		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5
Phenanthrene	ND		890		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5
Pyrene	ND		890		ug/Kg	☼	08/30/11 19:00	09/01/11 22:47	5

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*62*		*30 - 130*	*08/30/11 19:00*	*09/01/11 22:47*	*5*
2-Fluorobiphenyl	*62*		*30 - 130*	*08/30/11 19:00*	*09/01/11 22:47*	*5*
Terphenyl-d14 (Surr)	*68*		*30 - 130*	*08/30/11 19:00*	*09/01/11 22:47*	*5*

Client Sample Results

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

Method: 8270 - Semivolatile Compounds (GC/MS) Low level

Client Sample ID: EB-2
Date Collected: 08/25/11 12:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		1.1		ug/L		08/30/11 17:00	08/31/11 17:58	1
Acenaphthene	ND		1.1		ug/L		08/30/11 17:00	08/31/11 17:58	1
Acenaphthylene	ND		0.33		ug/L		08/30/11 17:00	08/31/11 17:58	1
Anthracene	ND		1.1		ug/L		08/30/11 17:00	08/31/11 17:58	1
Benzo[a]anthracene	ND		0.33		ug/L		08/30/11 17:00	08/31/11 17:58	1
Benzo[a]pyrene	ND		0.22		ug/L		08/30/11 17:00	08/31/11 17:58	1
Benzo[b]fluoranthene	ND		0.33		ug/L		08/30/11 17:00	08/31/11 17:58	1
Benzo[g,h,i]perylene	ND		0.56		ug/L		08/30/11 17:00	08/31/11 17:58	1
Benzo[k]fluoranthene	ND		0.33		ug/L		08/30/11 17:00	08/31/11 17:58	1
Chrysene	ND		1.1		ug/L		08/30/11 17:00	08/31/11 17:58	1
Dibenz(a,h)anthracene	ND		0.56		ug/L		08/30/11 17:00	08/31/11 17:58	1
Fluoranthene	ND		1.1		ug/L		08/30/11 17:00	08/31/11 17:58	1
Fluorene	ND		1.1		ug/L		08/30/11 17:00	08/31/11 17:58	1
Indeno[1,2,3-cd]pyrene	ND		0.56		ug/L		08/30/11 17:00	08/31/11 17:58	1
Naphthalene	ND		1.1		ug/L		08/30/11 17:00	08/31/11 17:58	1
Phenanthrene	ND		0.22		ug/L		08/30/11 17:00	08/31/11 17:58	1
Pyrene	ND		5.6		ug/L		08/30/11 17:00	08/31/11 17:58	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*30 - 130*	*08/30/11 17:00*	*08/31/11 17:58*	*1*
Nitrobenzene-d5	*64*		*30 - 130*	*08/30/11 17:00*	*08/31/11 17:58*	*1*
Terphenyl-d14	*63*		*30 - 130*	*08/30/11 17:00*	*08/31/11 17:58*	*1*

Client Sample Results

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Client Sample ID: HA-127
Date Collected: 08/25/11 09:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-1
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	190		18		mg/Kg	☼	08/29/11 14:50	09/02/11 01:32	5

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*50 - 105*	*08/29/11 14:50*	*09/02/11 01:32*	*5*

Client Sample ID: HA-130
Date Collected: 08/25/11 10:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-2
Matrix: Solid
Percent Solids: 80.7

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	620		20		mg/Kg	☼	08/29/11 14:50	09/02/11 02:04	5

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*67*		*50 - 105*	*08/29/11 14:50*	*09/02/11 02:04*	*5*

Client Sample ID: DUP-1
Date Collected: 08/25/11 12:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-3
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	230		18		mg/Kg	☼	08/29/11 14:50	09/02/11 02:35	5

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 105*	*08/29/11 14:50*	*09/02/11 02:35*	*5*

Client Sample ID: EB-2
Date Collected: 08/25/11 12:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-4
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	ND		0.11		mg/L		08/31/11 13:30	09/01/11 21:50	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*108*		*50 - 127*	*08/31/11 13:30*	*09/01/11 21:50*	*1*

Client Sample Results

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

Method: 6010B - Metals (ICP)

Client Sample ID: HA-127
Date Collected: 08/25/11 09:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-1
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.6		1.3		mg/Kg	☼	08/29/11 08:14	08/29/11 17:40	1
Lead	71		0.64		mg/Kg	☼	08/29/11 08:14	08/29/11 17:40	1
Copper	98		1.3		mg/Kg	☼	08/29/11 08:14	08/29/11 17:40	1
Antimony	ND		0.64		mg/Kg	☼	08/29/11 08:14	08/29/11 17:40	1

Client Sample ID: HA-130
Date Collected: 08/25/11 10:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-2
Matrix: Solid
Percent Solids: 80.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.7		1.6		mg/Kg	☼	08/29/11 08:14	08/29/11 17:49	1
Lead	180		0.79		mg/Kg	☼	08/29/11 08:14	08/29/11 17:49	1
Copper	1700		1.6		mg/Kg	☼	08/29/11 08:14	08/29/11 17:49	1
Antimony	6.2		0.79		mg/Kg	☼	08/29/11 08:14	08/29/11 17:49	1

Client Sample ID: DUP-1
Date Collected: 08/25/11 12:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-3
Matrix: Solid
Percent Solids: 91.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.5		1.3		mg/Kg	☼	08/29/11 08:14	08/29/11 17:52	1
Lead	79		0.64		mg/Kg	☼	08/29/11 08:14	08/29/11 17:52	1
Copper	61		1.3		mg/Kg	☼	08/29/11 08:14	08/29/11 17:52	1
Antimony	ND		0.64		mg/Kg	☼	08/29/11 08:14	08/29/11 17:52	1

Client Sample Results

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

Method: 6010B - Metals (ICP) - SPLP East

Client Sample ID: HA-127
Date Collected: 08/25/11 09:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15		ug/L		08/31/11 09:32	09/02/11 12:11	1
Antimony	ND		15		ug/L		08/31/11 09:32	09/02/11 12:11	1
Copper	**68**		10		ug/L		08/31/11 09:32	09/02/11 12:11	1
Lead	**43**		15		ug/L		08/31/11 09:32	09/02/11 12:11	1

Client Sample ID: HA-130
Date Collected: 08/25/11 10:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15		ug/L		08/31/11 09:32	09/02/11 12:17	1
Antimony	ND		15		ug/L		08/31/11 09:32	09/02/11 12:17	1
Copper	**450**		10		ug/L		08/31/11 09:32	09/02/11 12:17	1
Lead	**25**		15		ug/L		08/31/11 09:32	09/02/11 12:17	1

Client Sample ID: DUP-1
Date Collected: 08/25/11 12:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15		ug/L		08/31/11 09:32	08/31/11 15:08	1
Antimony	ND		15		ug/L		08/31/11 09:32	08/31/11 15:08	1
Copper	**63**		10		ug/L		08/31/11 09:32	08/31/11 15:08	1
Lead	**41**		15		ug/L		08/31/11 09:32	08/31/11 15:08	1

Client Sample Results

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: EB-2
Date Collected: 08/25/11 12:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0		ug/L		08/29/11 07:41	08/30/11 13:40	1
Copper	ND		1.0		ug/L		08/29/11 07:41	08/30/11 13:40	1
Lead	ND		1.0		ug/L		08/29/11 07:41	08/30/11 13:40	1
Antimony	ND		1.0		ug/L		08/29/11 07:41	08/30/11 13:40	1

General Chemistry

Client Sample ID: HA-127
Date Collected: 08/25/11 09:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-1
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.4		1.0		%			08/29/11 15:43	1
Percent Solids	92		1.0		%			08/29/11 15:43	1

Client Sample ID: HA-130
Date Collected: 08/25/11 10:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-2
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0		%			08/29/11 15:43	1
Percent Solids	81		1.0		%			08/29/11 15:43	1

Client Sample ID: DUP-1
Date Collected: 08/25/11 12:00
Date Received: 08/26/11 10:20

Lab Sample ID: 360-35974-3
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.4		1.0		%			08/29/11 15:43	1
Percent Solids	92		1.0		%			08/29/11 15:43	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

GC/MS VOA

Analysis Batch: 79141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-4	EB-2	Total/NA	Water	8260B	
LCS 360-79141/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 360-79141/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 360-79141/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 79448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-1	HA-127	Total/NA	Solid	8260B	79466
360-35974-3	DUP-1	Total/NA	Solid	8260B	79466
360-35974-5	Trip Blank	Total/NA	Solid	8260B	79466
LCS 360-79466/1-A	Lab Control Sample	Total/NA	Solid	8260B	79466
LCSD 360-79466/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	79466
MB 360-79466/3-A	Method Blank	Total/NA	Solid	8260B	79466

Prep Batch: 79466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-1	HA-127	Total/NA	Solid	5035	
360-35974-3	DUP-1	Total/NA	Solid	5035	
360-35974-5	Trip Blank	Total/NA	Solid	5035	
LCS 360-79466/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 360-79466/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 360-79466/3-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 79478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-2	HA-130	Total/NA	Solid	8260B	79490
LCS 360-79490/1-A	Lab Control Sample	Total/NA	Solid	8260B	79490
LCSD 360-79490/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	79490
MB 360-79490/3-A	Method Blank	Total/NA	Solid	8260B	79490

Prep Batch: 79490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-2	HA-130	Total/NA	Solid	5035	
LCS 360-79490/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 360-79490/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 360-79490/3-A	Method Blank	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 79219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-4	EB-2	Total/NA	Water	3510C	
LCS 360-79219/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 360-79219/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 360-79219/1-A	Method Blank	Total/NA	Water	3510C	

Prep Batch: 79227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-1	HA-127	Total/NA	Solid	3546	
360-35974-2	HA-130	Total/NA	Solid	3546	
360-35974-3	DUP-1	Total/NA	Solid	3546	
LCS 360-79227/2-A	Lab Control Sample	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 79227 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 360-79227/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 360-79227/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 79291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-4	EB-2	Total/NA	Water	8270	79219
LCS 360-79219/2-A	Lab Control Sample	Total/NA	Water	8270	79219
LCSD 360-79219/3-A	Lab Control Sample Dup	Total/NA	Water	8270	79219
MB 360-79219/1-A	Method Blank	Total/NA	Water	8270	79219

Analysis Batch: 79380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-1	HA-127	Total/NA	Solid	8270C	79227
360-35974-2	HA-130	Total/NA	Solid	8270C	79227
360-35974-3	DUP-1	Total/NA	Solid	8270C	79227
LCS 360-79227/2-A	Lab Control Sample	Total/NA	Solid	8270C	79227
LCSD 360-79227/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	79227
MB 360-79227/1-A	Method Blank	Total/NA	Solid	8270C	79227

GC Semi VOA

Prep Batch: 79139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-1	HA-127	Total/NA	Solid	3546	
360-35974-2	HA-130	Total/NA	Solid	3546	
360-35974-3	DUP-1	Total/NA	Solid	3546	
LCS 360-79139/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 360-79139/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 360-79139/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 79173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 360-79139/2-A	Lab Control Sample	Total/NA	Solid	CT ETPH	79139
LCSD 360-79139/3-A	Lab Control Sample Dup	Total/NA	Solid	CT ETPH	79139
MB 360-79139/1-A	Method Blank	Total/NA	Solid	CT ETPH	79139

Prep Batch: 79296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-4	EB-2	Total/NA	Water	3510C	
LCS 360-79296/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 360-79296/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 360-79296/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 79353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-1	HA-127	Total/NA	Solid	CT ETPH	79139
360-35974-2	HA-130	Total/NA	Solid	CT ETPH	79139
360-35974-3	DUP-1	Total/NA	Solid	CT ETPH	79139
360-35974-4	EB-2	Total/NA	Water	CT ETPH	79296
LCS 360-79296/2-A	Lab Control Sample	Total/NA	Water	CT ETPH	79296
LCSD 360-79296/3-A	Lab Control Sample Dup	Total/NA	Water	CT ETPH	79296
MB 360-79296/1-A	Method Blank	Total/NA	Water	CT ETPH	79296

QC Association Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

Metals

Leach Batch: 54363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-1	HA-127	SPLP East	Solid	1312	
360-35974-1 MS	HA-127	SPLP East	Solid	1312	
360-35974-2	HA-130	SPLP East	Solid	1312	
360-35974-3	DUP-1	SPLP East	Solid	1312	
LB 220-54363/6-C LB	Method Blank	SPLP East	Solid	1312	

Prep Batch: 54406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-1	HA-127	SPLP East	Solid	3010A	54363
360-35974-1 MS	HA-127	SPLP East	Solid	3010A	54363
360-35974-2	HA-130	SPLP East	Solid	3010A	54363
360-35974-3	DUP-1	SPLP East	Solid	3010A	54363
LB 220-54363/6-C LB	Method Blank	SPLP East	Solid	3010A	54363
LCS 220-54406/2-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 220-54406/1-A	Method Blank	Total/NA	Solid	3010A	

Analysis Batch: 54430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-3	DUP-1	SPLP East	Solid	6010B	54406
LCS 220-54406/2-A	Lab Control Sample	Total/NA	Solid	6010B	54406
MB 220-54406/1-A	Method Blank	Total/NA	Solid	6010B	54406

Analysis Batch: 54519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-1	HA-127	SPLP East	Solid	6010B	54406
360-35974-1 MS	HA-127	SPLP East	Solid	6010B	54406
360-35974-2	HA-130	SPLP East	Solid	6010B	54406
LB 220-54363/6-C LB	Method Blank	SPLP East	Solid	6010B	54406

Prep Batch: 79090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-4	EB-2	Total/NA	Water	3020A	
LCS 360-79090/2-A	Lab Control Sample	Total/NA	Water	3020A	
LCSD 360-79090/3-A	Lab Control Sample Dup	Total/NA	Water	3020A	
MB 360-79090/1-A	Method Blank	Total/NA	Water	3020A	

Prep Batch: 79093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-1	HA-127	Total/NA	Solid	3050B	
360-35974-2	HA-130	Total/NA	Solid	3050B	
360-35974-3	DUP-1	Total/NA	Solid	3050B	
LCDSRM 360-79093/3-A LCDSI	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 360-79093/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 360-79093/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 79158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-1	HA-127	Total/NA	Solid	6010B	79093
360-35974-2	HA-130	Total/NA	Solid	6010B	79093
360-35974-3	DUP-1	Total/NA	Solid	6010B	79093
LCDSRM 360-79093/3-A LCDSI	Lab Control Sample Dup	Total/NA	Solid	6010B	79093
LCSSRM 360-79093/2-A	Lab Control Sample	Total/NA	Solid	6010B	79093

Metals (Continued)

Analysis Batch: 79158 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 360-79093/1-A	Method Blank	Total/NA	Solid	6010B	79093

Analysis Batch: 79220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-4	EB-2	Total/NA	Water	6020	79090
LCS 360-79090/2-A	Lab Control Sample	Total/NA	Water	6020	79090
LCSD 360-79090/3-A	Lab Control Sample Dup	Total/NA	Water	6020	79090
MB 360-79090/1-A	Method Blank	Total/NA	Water	6020	79090

General Chemistry

Analysis Batch: 79142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35974-1	HA-127	Total/NA	Solid	Moisture	
360-35974-2	HA-130	Total/NA	Solid	Moisture	
360-35974-3	DUP-1	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
360-35974-1	HA-127	86	110	90
360-35974-2	HA-130	97	106	94
360-35974-3	DUP-1	87	107	93
360-35974-5	Trip Blank	93	104	95
LCS 360-79466/1-A	Lab Control Sample	96	112	98
LCS 360-79490/1-A	Lab Control Sample	96	112	104
LCSD 360-79466/2-A	Lab Control Sample Dup	93	113	100
LCSD 360-79490/2-A	Lab Control Sample Dup	96	109	96
MB 360-79466/3-A	Method Blank	96	110	91
MB 360-79490/3-A	Method Blank	95	106	94

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
360-35974-4	EB-2	102	105	101
LCS 360-79141/3	Lab Control Sample	105	105	101
LCSD 360-79141/4	Lab Control Sample Dup	104	105	101
MB 360-79141/6	Method Blank	106	108	101

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270 - Semivolatile Compounds (GC/MS) Low level

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPH
Lab Sample ID	Client Sample ID	(30-130)	(30-130)	(30-130)
360-35974-4	EB-2	68	64	63
LCS 360-79219/2-A	Lab Control Sample	69	70	65
LCSD 360-79219/3-A	Lab Control Sample Dup	69	70	61
MB 360-79219/1-A	Method Blank	64	67	63

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPH = Terphenyl-d14

Surrogate Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

Method: 8270C - Semivolatile Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	FBP	TPH
Lab Sample ID	Client Sample ID	(30-130)	(30-130)	(30-130)
360-35974-1	HA-127	50	49	50
360-35974-2	HA-130	60	58	57
360-35974-3	DUP-1	62	62	68
LCS 360-79227/2-A	Lab Control Sample	84	87	92
LCSD 360-79227/3-A	Lab Control Sample Dup	78	86	90
MB 360-79227/1-A	Method Blank	87	86	99

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl
TPH = Terphenyl-d14 (Surr)

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(50-105)
360-35974-1	HA-127	75
360-35974-2	HA-130	67
360-35974-3	DUP-1	96
LCS 360-79139/2-A	Lab Control Sample	80
LCSD 360-79139/3-A	Lab Control Sample Dup	78
MB 360-79139/1-A	Method Blank	87

Surrogate Legend

OTPH = o-Terphenyl

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(50-127)
360-35974-4	EB-2	108
LCS 360-79296/2-A	Lab Control Sample	108
LCSD 360-79296/3-A	Lab Control Sample Dup	108
MB 360-79296/1-A	Method Blank	116

Surrogate Legend

OTPH = o-Terphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 360-79141/6
Matrix: Water
Analysis Batch: 79141

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			08/29/11 12:33	1
1,1,1-Trichloroethane	ND		1.0		ug/L			08/29/11 12:33	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/11 12:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			08/29/11 12:33	1
1,1,2-Trichloroethane	ND		1.0		ug/L			08/29/11 12:33	1
1,1-Dichloroethane	ND		1.0		ug/L			08/29/11 12:33	1
1,1-Dichloroethene	ND		1.0		ug/L			08/29/11 12:33	1
1,1-Dichloropropene	ND		1.0		ug/L			08/29/11 12:33	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/11 12:33	1
1,2,3-Trichloropropane	ND		1.0		ug/L			08/29/11 12:33	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/11 12:33	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			08/29/11 12:33	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			08/29/11 12:33	1
1,2-Dichlorobenzene	ND		1.0		ug/L			08/29/11 12:33	1
1,2-Dichloroethane	ND		1.0		ug/L			08/29/11 12:33	1
1,2-Dichloropropane	ND		1.0		ug/L			08/29/11 12:33	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			08/29/11 12:33	1
1,3-Dichlorobenzene	ND		1.0		ug/L			08/29/11 12:33	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/11 12:33	1
1,4-Dichlorobenzene	ND		1.0		ug/L			08/29/11 12:33	1
2,2-Dichloropropane	ND		1.0		ug/L			08/29/11 12:33	1
2-Butanone (MEK)	ND		10		ug/L			08/29/11 12:33	1
2-Chlorotoluene	ND		1.0		ug/L			08/29/11 12:33	1
2-Hexanone	ND		10		ug/L			08/29/11 12:33	1
4-Chlorotoluene	ND		1.0		ug/L			08/29/11 12:33	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/11 12:33	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			08/29/11 12:33	1
Acetone	ND		50		ug/L			08/29/11 12:33	1
Acrylonitrile	ND		0.50		ug/L			08/29/11 12:33	1
Benzene	ND		1.0		ug/L			08/29/11 12:33	1
Bromobenzene	ND		1.0		ug/L			08/29/11 12:33	1
Bromoform	ND		1.0		ug/L			08/29/11 12:33	1
Bromomethane	ND		2.0		ug/L			08/29/11 12:33	1
Carbon disulfide	ND		10		ug/L			08/29/11 12:33	1
Carbon tetrachloride	ND		1.0		ug/L			08/29/11 12:33	1
Chlorobenzene	ND		1.0		ug/L			08/29/11 12:33	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/11 12:33	1
Chloroethane	ND		2.0		ug/L			08/29/11 12:33	1
Chloroform	ND		1.0		ug/L			08/29/11 12:33	1
Chloromethane	ND		2.0		ug/L			08/29/11 12:33	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			08/29/11 12:33	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			08/29/11 12:33	1
Dibromomethane	ND		1.0		ug/L			08/29/11 12:33	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/11 12:33	1
Dichlorodifluoromethane	ND		1.0		ug/L			08/29/11 12:33	1
Ethylbenzene	ND		1.0		ug/L			08/29/11 12:33	1
Ethylene Dibromide	ND		1.0		ug/L			08/29/11 12:33	1
Hexachlorobutadiene	ND		0.40		ug/L			08/29/11 12:33	1
Isopropylbenzene	ND		1.0		ug/L			08/29/11 12:33	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-79141/6
Matrix: Water
Analysis Batch: 79141

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		2.0		ug/L			08/29/11 12:33	1
Methyl tert-butyl ether	ND		1.0		ug/L			08/29/11 12:33	1
Methylene Chloride	ND		2.0		ug/L			08/29/11 12:33	1
n-Butylbenzene	ND		1.0		ug/L			08/29/11 12:33	1
N-Propylbenzene	ND		1.0		ug/L			08/29/11 12:33	1
Naphthalene	ND		5.0		ug/L			08/29/11 12:33	1
o-Xylene	ND		1.0		ug/L			08/29/11 12:33	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/11 12:33	1
Styrene	ND		1.0		ug/L			08/29/11 12:33	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/11 12:33	1
Tetrachloroethene	ND		1.0		ug/L			08/29/11 12:33	1
Tetrahydrofuran	ND		10		ug/L			08/29/11 12:33	1
Toluene	ND		1.0		ug/L			08/29/11 12:33	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			08/29/11 12:33	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			08/29/11 12:33	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			08/29/11 12:33	1
Trichloroethene	ND		1.0		ug/L			08/29/11 12:33	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/11 12:33	1
Vinyl chloride	ND		0.50		ug/L			08/29/11 12:33	1
Xylenes, Total	ND		1.0		ug/L			08/29/11 12:33	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*70 - 130*		*08/29/11 12:33*	*1*
Dibromofluoromethane	*108*		*70 - 130*		*08/29/11 12:33*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*08/29/11 12:33*	*1*

Lab Sample ID: LCS 360-79141/3
Matrix: Water
Analysis Batch: 79141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	22.0		ug/L		110	70 - 130
1,1,1-Trichloroethane	20.0	22.6		ug/L		113	70 - 130
1,1,2,2-Tetrachloroethane	20.0	20.1		ug/L		101	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroetha ne	20.0	17.8		ug/L		89	70 - 130
1,1,2-Trichloroethane	20.0	21.0		ug/L		105	70 - 130
1,1-Dichloroethane	20.0	22.2		ug/L		111	70 - 130
1,1-Dichloroethene	20.0	19.9		ug/L		100	70 - 130
1,1-Dichloropropene	20.0	22.0		ug/L		110	70 - 130
1,2,3-Trichlorobenzene	20.0	20.2		ug/L		101	70 - 130
1,2,3-Trichloropropane	20.0	22.8		ug/L		114	70 - 130
1,2,4-Trichlorobenzene	20.0	21.2		ug/L		106	70 - 130
1,2,4-Trimethylbenzene	20.0	23.6		ug/L		118	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	19.0		ug/L		95	70 - 130
1,2-Dichlorobenzene	20.0	21.3		ug/L		107	70 - 130
1,2-Dichloroethane	20.0	22.3		ug/L		112	70 - 130
1,2-Dichloropropane	20.0	21.0		ug/L		105	70 - 130
1,3,5-Trimethylbenzene	20.0	23.0		ug/L		115	70 - 130
1,3-Dichlorobenzene	20.0	23.2		ug/L		116	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-79141/3
Matrix: Water
Analysis Batch: 79141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichloropropane	20.0	21.5		ug/L		108	70 - 130
1,4-Dichlorobenzene	20.0	21.7		ug/L		109	70 - 130
2,2-Dichloropropane	20.0	23.8		ug/L		119	70 - 130
2-Butanone (MEK)	200	194		ug/L		97	70 - 130
2-Chlorotoluene	20.0	22.4		ug/L		112	70 - 130
2-Hexanone	200	214		ug/L		107	70 - 130
4-Chlorotoluene	20.0	23.0		ug/L		115	70 - 130
4-Isopropyltoluene	20.0	24.2		ug/L		121	70 - 130
4-Methyl-2-pentanone (MIBK)	200	214		ug/L		107	70 - 130
Acetone	200	141		ug/L		70	70 - 130
Acrylonitrile	20.0	18.6		ug/L		93	70 - 130
Benzene	20.0	21.2		ug/L		106	70 - 130
Bromobenzene	20.0	20.8		ug/L		104	70 - 130
Bromoform	20.0	18.4		ug/L		92	70 - 130
Bromomethane	20.0	21.7		ug/L		109	70 - 130
Carbon disulfide	20.0	27.1	*	ug/L		136	70 - 130
Carbon tetrachloride	20.0	21.7		ug/L		109	70 - 130
Chlorobenzene	20.0	21.0		ug/L		105	70 - 130
Chlorodibromomethane	20.0	21.5		ug/L		108	70 - 130
Chloroethane	20.0	22.4		ug/L		112	70 - 130
Chloroform	20.0	20.5		ug/L		103	70 - 130
Chloromethane	20.0	19.9		ug/L		100	70 - 130
cis-1,2-Dichloroethene	20.0	21.6		ug/L		108	70 - 130
cis-1,3-Dichloropropene	20.0	20.5		ug/L		103	70 - 130
Dibromomethane	20.0	21.8		ug/L		109	70 - 130
Dichlorobromomethane	20.0	21.7		ug/L		109	70 - 130
Dichlorodifluoromethane	20.0	13.4	*	ug/L		67	70 - 130
Ethylbenzene	20.0	21.6		ug/L		108	70 - 130
Ethylene Dibromide	20.0	21.7		ug/L		109	70 - 130
Hexachlorobutadiene	20.0	21.8		ug/L		109	70 - 130
Isopropylbenzene	20.0	22.3		ug/L		112	70 - 130
m-Xylene & p-Xylene	40.0	42.9		ug/L		107	70 - 130
Methyl tert-butyl ether	20.0	22.6		ug/L		113	70 - 130
Methylene Chloride	20.0	20.1		ug/L		101	70 - 130
n-Butylbenzene	20.0	23.3		ug/L		117	70 - 130
N-Propylbenzene	20.0	23.1		ug/L		116	70 - 130
Naphthalene	20.0	18.6		ug/L		93	70 - 130
o-Xylene	20.0	21.3		ug/L		107	70 - 130
sec-Butylbenzene	20.0	24.1		ug/L		121	70 - 130
Styrene	20.0	20.9		ug/L		105	70 - 130
tert-Butylbenzene	20.0	23.7		ug/L		119	70 - 130
Tetrachloroethene	20.0	21.2		ug/L		106	70 - 130
Tetrahydrofuran	200	201		ug/L		101	70 - 130
Toluene	20.0	21.4		ug/L		107	70 - 130
trans-1,2-Dichloroethene	20.0	21.9		ug/L		110	70 - 130
trans-1,3-Dichloropropene	20.0	21.3		ug/L		107	70 - 130
trans-1,4-Dichloro-2-butene	20.0	21.4		ug/L		107	70 - 130
Trichloroethene	20.0	21.7		ug/L		109	70 - 130
Trichlorofluoromethane	20.0	21.0		ug/L		105	70 - 130
Vinyl chloride	20.0	21.6		ug/L		108	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-79141/3
Matrix: Water
Analysis Batch: 79141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Xylenes, Total			60.0	64.2		ug/L		107	70 - 130		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 360-79141/4
Matrix: Water
Analysis Batch: 79141

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			20.0	20.5		ug/L		103	70 - 130	7	25
1,1,1-Trichloroethane			20.0	20.9		ug/L		105	70 - 130	8	25
1,1,2,2-Tetrachloroethane			20.0	20.8		ug/L		104	70 - 130	3	25
1,1,2-Trichloro-1,2,2-trifluoroetha ne			20.0	15.7		ug/L		79	70 - 130	13	25
1,1,2-Trichloroethane			20.0	20.6		ug/L		103	70 - 130	2	25
1,1-Dichloroethane			20.0	20.9		ug/L		105	70 - 130	6	25
1,1-Dichloroethene			20.0	18.3		ug/L		92	70 - 130	8	25
1,1-Dichloropropene			20.0	20.8		ug/L		104	70 - 130	6	25
1,2,3-Trichlorobenzene			20.0	19.4		ug/L		97	70 - 130	4	25
1,2,3-Trichloropropane			20.0	22.2		ug/L		111	70 - 130	3	25
1,2,4-Trichlorobenzene			20.0	20.8		ug/L		104	70 - 130	2	25
1,2,4-Trimethylbenzene			20.0	21.3		ug/L		107	70 - 130	10	25
1,2-Dibromo-3-Chloropropane			20.0	19.4		ug/L		97	70 - 130	2	25
1,2-Dichlorobenzene			20.0	20.7		ug/L		104	70 - 130	3	25
1,2-Dichloroethane			20.0	22.1		ug/L		111	70 - 130	1	25
1,2-Dichloropropane			20.0	20.4		ug/L		102	70 - 130	3	25
1,3,5-Trimethylbenzene			20.0	21.1		ug/L		106	70 - 130	9	25
1,3-Dichlorobenzene			20.0	21.5		ug/L		108	70 - 130	8	25
1,3-Dichloropropane			20.0	21.1		ug/L		106	70 - 130	2	25
1,4-Dichlorobenzene			20.0	20.7		ug/L		104	70 - 130	5	25
2,2-Dichloropropane			20.0	21.2		ug/L		106	70 - 130	12	25
2-Butanone (MEK)			200	206		ug/L		103	70 - 130	6	25
2-Chlorotoluene			20.0	21.1		ug/L		106	70 - 130	6	25
2-Hexanone			200	218		ug/L		109	70 - 130	2	25
4-Chlorotoluene			20.0	21.6		ug/L		108	70 - 130	6	25
4-Isopropyltoluene			20.0	22.8		ug/L		114	70 - 130	6	25
4-Methyl-2-pentanone (MIBK)			200	210		ug/L		105	70 - 130	2	25
Acetone			200	143		ug/L		72	70 - 130	2	25
Acrylonitrile			20.0	18.9		ug/L		95	70 - 130	2	25
Benzene			20.0	20.1		ug/L		101	70 - 130	5	25
Bromobenzene			20.0	20.3		ug/L		102	70 - 130	2	25
Bromoform			20.0	18.7		ug/L		94	70 - 130	2	25
Bromomethane			20.0	19.3		ug/L		97	70 - 130	12	25
Carbon disulfide			20.0	23.0		ug/L		115	70 - 130	16	25
Carbon tetrachloride			20.0	19.7		ug/L		99	70 - 130	10	25
Chlorobenzene			20.0	20.1		ug/L		101	70 - 130	4	25
Chlorodibromomethane			20.0	20.9		ug/L		105	70 - 130	3	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-79141/4
Matrix: Water
Analysis Batch: 79141

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chloroethane	20.0	19.2		ug/L		96	70 - 130	15	25
Chloroform	20.0	19.7		ug/L		99	70 - 130	4	25
Chloromethane	20.0	17.7		ug/L		89	70 - 130	12	25
cis-1,2-Dichloroethene	20.0	20.8		ug/L		104	70 - 130	4	25
cis-1,3-Dichloropropene	20.0	19.8		ug/L		99	70 - 130	3	25
Dibromomethane	20.0	21.6		ug/L		108	70 - 130	1	25
Dichlorobromomethane	20.0	21.1		ug/L		106	70 - 130	3	25
Dichlorodifluoromethane	20.0	12.5		ug/L		63	70 - 130	7	25
Ethylbenzene	20.0	20.5		ug/L		103	70 - 130	5	25
Ethylene Dibromide	20.0	21.2		ug/L		106	70 - 130	2	25
Hexachlorobutadiene	20.0	19.8		ug/L		99	70 - 130	10	25
Isopropylbenzene	20.0	20.4		ug/L		102	70 - 130	9	25
m-Xylene & p-Xylene	40.0	40.8		ug/L		102	70 - 130	5	25
Methyl tert-butyl ether	20.0	21.1		ug/L		106	70 - 130	7	25
Methylene Chloride	20.0	18.4		ug/L		92	70 - 130	9	25
n-Butylbenzene	20.0	22.2		ug/L		111	70 - 130	5	25
N-Propylbenzene	20.0	21.2		ug/L		106	70 - 130	9	25
Naphthalene	20.0	18.6		ug/L		93	70 - 130	0	25
o-Xylene	20.0	20.1		ug/L		101	70 - 130	6	25
sec-Butylbenzene	20.0	21.7		ug/L		109	70 - 130	10	25
Styrene	20.0	19.7		ug/L		99	70 - 130	6	25
tert-Butylbenzene	20.0	21.1		ug/L		106	70 - 130	12	25
Tetrachloroethene	20.0	20.1		ug/L		101	70 - 130	5	25
Tetrahydrofuran	200	205		ug/L		103	70 - 130	2	25
Toluene	20.0	19.9		ug/L		100	70 - 130	7	25
trans-1,2-Dichloroethene	20.0	20.7		ug/L		104	70 - 130	6	25
trans-1,3-Dichloropropene	20.0	20.6		ug/L		103	70 - 130	3	25
trans-1,4-Dichloro-2-butene	20.0	21.4		ug/L		107	70 - 130	0	25
Trichloroethene	20.0	20.1		ug/L		101	70 - 130	8	25
Trichlorofluoromethane	20.0	19.0		ug/L		95	70 - 130	10	25
Vinyl chloride	20.0	19.3		ug/L		97	70 - 130	11	25
Xylenes, Total	60.0	60.9		ug/L		102	70 - 130	5	25

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 360-79466/3-A
Matrix: Solid
Analysis Batch: 79448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,1,1-Trichloroethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,1,2,2-Tetrachloroethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,1,2-Trichloroethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,1-Dichloroethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-79466/3-A
Matrix: Solid
Analysis Batch: 79448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,1-Dichloropropene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,2,3-Trichlorobenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,2,3-Trichloropropane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,2,4-Trichlorobenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,2,4-Trimethylbenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,2-Dibromo-3-Chloropropane	ND		25		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,2-Dichlorobenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,2-Dichloroethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,2-Dichloropropane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,3,5-Trimethylbenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,3-Dichlorobenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,3-Dichloropropane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
1,4-Dichlorobenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
2,2-Dichloropropane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
2-Butanone (MEK)	ND		25		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
2-Chlorotoluene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
2-Hexanone	ND		25		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
4-Chlorotoluene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
4-Isopropyltoluene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Acetone	ND		250		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Acrylonitrile	ND		25		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Benzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Bromobenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Bromoform	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Bromomethane	ND		5.0		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Carbon disulfide	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Carbon tetrachloride	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Chlorobenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Chlorodibromomethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Chloroethane	ND		5.0		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Chloroform	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Chloromethane	ND		5.0		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
cis-1,2-Dichloroethene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
cis-1,3-Dichloropropene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Dibromomethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Dichlorobromomethane	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Ethylbenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Ethylene Dibromide	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Hexachlorobutadiene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Isopropylbenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
m-Xylene & p-Xylene	ND		5.0		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Methyl tert-butyl ether	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Methylene Chloride	ND		10		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
n-Butylbenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
N-Propylbenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Naphthalene	ND		25		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
o-Xylene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-79466/3-A
Matrix: Solid
Analysis Batch: 79448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79466

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Styrene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
tert-Butylbenzene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Tetrachloroethene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Tetrahydrofuran	ND		25		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Toluene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
trans-1,2-Dichloroethene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
trans-1,3-Dichloropropene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Trichloroethene	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Trichlorofluoromethane	ND		5.0		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Vinyl chloride	ND		2.5		ug/Kg		09/02/11 09:00	09/02/11 11:00	1
Xylenes, Total	ND		5.0		ug/Kg		09/02/11 09:00	09/02/11 11:00	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 130*	*09/02/11 09:00*	*09/02/11 11:00*	*1*
Dibromofluoromethane	*110*		*70 - 130*	*09/02/11 09:00*	*09/02/11 11:00*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*	*09/02/11 09:00*	*09/02/11 11:00*	*1*

Lab Sample ID: LCS 360-79466/1-A
Matrix: Solid
Analysis Batch: 79448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79466

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1,1,2-Tetrachloroethane	100	97.5		ug/Kg		98	70 - 130
1,1,1-Trichloroethane	100	88.5		ug/Kg		89	70 - 130
1,1,2,2-Tetrachloroethane	100	88.0		ug/Kg		88	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	100	87.0		ug/Kg		87	70 - 130
1,1,2-Trichloroethane	100	86.5		ug/Kg		87	70 - 130
1,1-Dichloroethane	100	86.0		ug/Kg		86	70 - 130
1,1-Dichloroethene	100	74.5		ug/Kg		75	70 - 130
1,1-Dichloropropene	100	84.0		ug/Kg		84	70 - 130
1,2,3-Trichlorobenzene	100	122		ug/Kg		122	70 - 130
1,2,3-Trichloropropane	100	97.0		ug/Kg		97	70 - 130
1,2,4-Trichlorobenzene	100	117		ug/Kg		117	70 - 130
1,2,4-Trimethylbenzene	100	87.5		ug/Kg		88	70 - 130
1,2-Dibromo-3-Chloropropane	100	115		ug/Kg		115	70 - 130
1,2-Dichlorobenzene	100	91.0		ug/Kg		91	70 - 130
1,2-Dichloroethane	100	109		ug/Kg		109	70 - 130
1,2-Dichloropropane	100	79.5		ug/Kg		80	70 - 130
1,3,5-Trimethylbenzene	100	87.0		ug/Kg		87	70 - 130
1,3-Dichlorobenzene	100	85.5		ug/Kg		86	70 - 130
1,3-Dichloropropane	100	88.5		ug/Kg		89	70 - 130
1,4-Dichlorobenzene	100	81.5		ug/Kg		82	70 - 130
2,2-Dichloropropane	100	93.5		ug/Kg		94	70 - 130
2-Butanone (MEK)	1000	944		ug/Kg		94	70 - 130
2-Chlorotoluene	100	84.5		ug/Kg		85	70 - 130
2-Hexanone	1000	874		ug/Kg		87	70 - 130
4-Chlorotoluene	100	80.0		ug/Kg		80	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-79466/1-A
Matrix: Solid
Analysis Batch: 79448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79466

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
4-Isopropyltoluene	100	91.5		ug/Kg		92	70 - 130
4-Methyl-2-pentanone (MIBK)	1000	957		ug/Kg		96	70 - 130
Acetone	1000	1100		ug/Kg		110	70 - 130
Acrylonitrile	100	91.5		ug/Kg		92	70 - 130
Benzene	100	80.5		ug/Kg		81	70 - 130
Bromobenzene	100	86.0		ug/Kg		86	70 - 130
Bromoform	100	95.0		ug/Kg		95	70 - 130
Bromomethane	100	70.5		ug/Kg		71	70 - 130
Carbon disulfide	100	91.0		ug/Kg		91	70 - 130
Carbon tetrachloride	100	107		ug/Kg		107	70 - 130
Chlorobenzene	100	81.5		ug/Kg		82	70 - 130
Chlorodibromomethane	100	86.5		ug/Kg		87	70 - 130
Chloroethane	100	73.5		ug/Kg		74	70 - 130
Chloroform	100	91.5		ug/Kg		92	70 - 130
Chloromethane	100	59.0	*	ug/Kg		59	70 - 130
cis-1,2-Dichloroethene	100	86.0		ug/Kg		86	70 - 130
cis-1,3-Dichloropropene	100	88.5		ug/Kg		89	70 - 130
Dibromomethane	100	100		ug/Kg		100	70 - 130
Dichlorobromomethane	100	93.5		ug/Kg		94	70 - 130
Dichlorodifluoromethane	100	56.0	*	ug/Kg		56	70 - 130
Ethylbenzene	100	80.5		ug/Kg		81	70 - 130
Ethylene Dibromide	100	93.0		ug/Kg		93	70 - 130
Hexachlorobutadiene	100	109		ug/Kg		109	70 - 130
Isopropylbenzene	100	85.0		ug/Kg		85	70 - 130
m-Xylene & p-Xylene	200	164		ug/Kg		82	70 - 130
Methyl tert-butyl ether	100	105		ug/Kg		105	70 - 130
Methylene Chloride	100	91.0		ug/Kg		91	70 - 130
n-Butylbenzene	100	84.5		ug/Kg		85	70 - 130
N-Propylbenzene	100	80.5		ug/Kg		81	70 - 130
Naphthalene	100	115		ug/Kg		115	70 - 130
o-Xylene	100	86.0		ug/Kg		86	70 - 130
sec-Butylbenzene	100	82.5		ug/Kg		83	70 - 130
Styrene	100	81.0		ug/Kg		81	70 - 130
tert-Butylbenzene	100	93.5		ug/Kg		94	70 - 130
Tetrachloroethene	100	85.0		ug/Kg		85	70 - 130
Tetrahydrofuran	1000	1070		ug/Kg		107	70 - 130
Toluene	100	76.5		ug/Kg		77	70 - 130
trans-1,2-Dichloroethene	100	80.5		ug/Kg		81	70 - 130
trans-1,3-Dichloropropene	100	93.5		ug/Kg		94	70 - 130
trans-1,4-Dichloro-2-butene	100	89.5		ug/Kg		90	70 - 130
Trichloroethene	100	80.5		ug/Kg		81	70 - 130
Trichlorofluoromethane	100	85.0		ug/Kg		85	70 - 130
Vinyl chloride	100	71.5		ug/Kg		72	70 - 130
Xylenes, Total	300	250		ug/Kg		83	70 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*112*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-79466/2-A
Matrix: Solid
Analysis Batch: 79448

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79466

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	100	102		ug/Kg		102	70 - 130	4	25
1,1,1-Trichloroethane	100	94.5		ug/Kg		95	70 - 130	7	25
1,1,2,2-Tetrachloroethane	100	90.5		ug/Kg		91	70 - 130	3	25
1,1,2-Trichloro-1,2,2-trifluoroethane	100	92.0		ug/Kg		92	70 - 130	6	25
1,1,2-Trichloroethane	100	90.0		ug/Kg		90	70 - 130	4	25
1,1-Dichloroethane	100	89.0		ug/Kg		89	70 - 130	3	25
1,1-Dichloroethene	100	78.5		ug/Kg		79	70 - 130	5	25
1,1-Dichloropropene	100	87.0		ug/Kg		87	70 - 130	4	25
1,2,3-Trichlorobenzene	100	125		ug/Kg		125	70 - 130	3	25
1,2,3-Trichloropropane	100	102		ug/Kg		102	70 - 130	5	25
1,2,4-Trichlorobenzene	100	122		ug/Kg		122	70 - 130	4	25
1,2,4-Trimethylbenzene	100	89.0		ug/Kg		89	70 - 130	2	25
1,2-Dibromo-3-Chloropropane	100	120		ug/Kg		120	70 - 130	4	25
1,2-Dichlorobenzene	100	95.0		ug/Kg		95	70 - 130	4	25
1,2-Dichloroethane	100	113		ug/Kg		113	70 - 130	4	25
1,2-Dichloropropane	100	82.0		ug/Kg		82	70 - 130	3	25
1,3,5-Trimethylbenzene	100	89.5		ug/Kg		90	70 - 130	3	25
1,3-Dichlorobenzene	100	84.5		ug/Kg		85	70 - 130	1	25
1,3-Dichloropropane	100	92.0		ug/Kg		92	70 - 130	4	25
1,4-Dichlorobenzene	100	84.5		ug/Kg		85	70 - 130	4	25
2,2-Dichloropropane	100	98.0		ug/Kg		98	70 - 130	5	25
2-Butanone (MEK)	1000	991		ug/Kg		99	70 - 130	5	25
2-Chlorotoluene	100	86.0		ug/Kg		86	70 - 130	2	25
2-Hexanone	1000	872		ug/Kg		87	70 - 130	0	25
4-Chlorotoluene	100	80.0		ug/Kg		80	70 - 130	0	25
4-Isopropyltoluene	100	92.0		ug/Kg		92	70 - 130	1	25
4-Methyl-2-pentanone (MIBK)	1000	1030		ug/Kg		103	70 - 130	7	25
Acetone	1000	1110		ug/Kg		111	70 - 130	1	25
Acrylonitrile	100	90.5		ug/Kg		91	70 - 130	1	25
Benzene	100	83.5		ug/Kg		84	70 - 130	4	25
Bromobenzene	100	88.0		ug/Kg		88	70 - 130	2	25
Bromoform	100	100		ug/Kg		100	70 - 130	5	25
Bromomethane	100	75.5		ug/Kg		76	70 - 130	7	25
Carbon disulfide	100	97.0		ug/Kg		97	70 - 130	6	25
Carbon tetrachloride	100	113		ug/Kg		113	70 - 130	5	25
Chlorobenzene	100	82.5		ug/Kg		83	70 - 130	1	25
Chlorodibromomethane	100	90.5		ug/Kg		91	70 - 130	5	25
Chloroethane	100	76.5		ug/Kg		77	70 - 130	4	25
Chloroform	100	96.0		ug/Kg		96	70 - 130	5	25
Chloromethane	100	62.0		ug/Kg		62	70 - 130	5	25
cis-1,2-Dichloroethene	100	89.0		ug/Kg		89	70 - 130	3	25
cis-1,3-Dichloropropene	100	91.0		ug/Kg		91	70 - 130	3	25
Dibromomethane	100	103		ug/Kg		103	70 - 130	3	25
Dichlorobromomethane	100	99.0		ug/Kg		99	70 - 130	6	25
Dichlorodifluoromethane	100	58.0		ug/Kg		58	70 - 130	4	25
Ethylbenzene	100	81.5		ug/Kg		82	70 - 130	1	25
Ethylene Dibromide	100	93.0		ug/Kg		93	70 - 130	0	25
Hexachlorobutadiene	100	113		ug/Kg		113	70 - 130	4	25
Isopropylbenzene	100	86.5		ug/Kg		87	70 - 130	2	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-79466/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79448 — **Prep Batch: 79466**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	200	165		ug/Kg		83	70 - 130	1	25
Methyl tert-butyl ether	100	111		ug/Kg		111	70 - 130	5	25
Methylene Chloride	100	96.0		ug/Kg		96	70 - 130	5	25
n-Butylbenzene	100	87.5		ug/Kg		88	70 - 130	3	25
N-Propylbenzene	100	82.0		ug/Kg		82	70 - 130	2	25
Naphthalene	100	120		ug/Kg		120	70 - 130	4	25
o-Xylene	100	88.5		ug/Kg		89	70 - 130	3	25
sec-Butylbenzene	100	84.5		ug/Kg		85	70 - 130	2	25
Styrene	100	81.5		ug/Kg		82	70 - 130	1	25
tert-Butylbenzene	100	95.0		ug/Kg		95	70 - 130	2	25
Tetrachloroethene	100	89.0		ug/Kg		89	70 - 130	5	25
Tetrahydrofuran	1000	993		ug/Kg		99	70 - 130	7	25
Toluene	100	80.5		ug/Kg		81	70 - 130	5	25
trans-1,2-Dichloroethene	100	84.0		ug/Kg		84	70 - 130	4	25
trans-1,3-Dichloropropene	100	95.5		ug/Kg		96	70 - 130	2	25
trans-1,4-Dichloro-2-butene	100	96.5		ug/Kg		97	70 - 130	8	25
Trichloroethene	100	84.5		ug/Kg		85	70 - 130	5	25
Trichlorofluoromethane	100	89.5		ug/Kg		90	70 - 130	5	25
Vinyl chloride	100	75.5		ug/Kg		76	70 - 130	5	25
Xylenes, Total	300	254		ug/Kg		85	70 - 130	1	25

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*70 - 130*
Dibromofluoromethane	*113*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 360-79490/3-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79478 — **Prep Batch: 79490**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,1,1-Trichloroethane	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,1,2,2-Tetrachloroethane	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		630		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,1,2-Trichloroethane	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,1-Dichloroethane	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,1-Dichloroethene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,1-Dichloropropene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,2,3-Trichlorobenzene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,2,3-Trichloropropane	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,2,4-Trichlorobenzene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,2,4-Trimethylbenzene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,2-Dibromo-3-Chloropropane	ND		1300		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,2-Dichlorobenzene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,2-Dichloroethane	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,2-Dichloropropane	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,3,5-Trimethylbenzene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,3-Dichlorobenzene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-79490/3-A
Matrix: Solid
Analysis Batch: 79478

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79490

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
1,4-Dichlorobenzene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
2,2-Dichloropropane	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
2-Butanone (MEK)	ND		1300		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
2-Chlorotoluene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
2-Hexanone	ND		1300		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
4-Chlorotoluene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
4-Isopropyltoluene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
4-Methyl-2-pentanone (MIBK)	ND		1300		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Acetone	ND		13000		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Acrylonitrile	ND		1300		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Benzene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Bromobenzene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Bromoform	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Bromomethane	ND		250		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Carbon disulfide	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Carbon tetrachloride	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Chlorobenzene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Chlorodibromomethane	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Chloroethane	ND		250		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Chloroform	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Chloromethane	ND		250		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
cis-1,2-Dichloroethene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
cis-1,3-Dichloropropene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Dibromomethane	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Dichlorobromomethane	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Dichlorodifluoromethane	ND		250		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Ethylbenzene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Ethylene Dibromide	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Hexachlorobutadiene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Isopropylbenzene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
m-Xylene & p-Xylene	ND		250		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Methyl tert-butyl ether	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Methylene Chloride	ND		500		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
n-Butylbenzene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
N-Propylbenzene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Naphthalene	ND		1300		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
o-Xylene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
sec-Butylbenzene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Styrene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
tert-Butylbenzene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Tetrachloroethene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Tetrahydrofuran	ND		1300		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Toluene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
trans-1,2-Dichloroethene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
trans-1,3-Dichloropropene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
trans-1,4-Dichloro-2-butene	ND		250		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Trichloroethene	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Trichlorofluoromethane	ND		250		ug/Kg		09/02/11 10:00	09/02/11 15:30	1
Vinyl chloride	ND		130		ug/Kg		09/02/11 10:00	09/02/11 15:30	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-79490/3-A
Matrix: Solid
Analysis Batch: 79478

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79490

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		250		ug/Kg		09/02/11 10:00	09/02/11 15:30	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*	*09/02/11 10:00*	*09/02/11 15:30*	*1*
Dibromofluoromethane	*106*		*70 - 130*	*09/02/11 10:00*	*09/02/11 15:30*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*	*09/02/11 10:00*	*09/02/11 15:30*	*1*

Lab Sample ID: LCS 360-79490/1-A
Matrix: Solid
Analysis Batch: 79478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79490

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1,1,2-Tetrachloroethane	5000	4530		ug/Kg		91	70 - 130
1,1,1-Trichloroethane	5000	4230		ug/Kg		85	70 - 130
1,1,2,2-Tetrachloroethane	5000	4400		ug/Kg		88	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroetha ne	5000	4050		ug/Kg		81	70 - 130
1,1,2-Trichloroethane	5000	4900		ug/Kg		98	70 - 130
1,1-Dichloroethane	5000	4300		ug/Kg		86	70 - 130
1,1-Dichloroethene	5000	3630		ug/Kg		73	70 - 130
1,1-Dichloropropene	5000	4150		ug/Kg		83	70 - 130
1,2,3-Trichlorobenzene	5000	5280		ug/Kg		106	70 - 130
1,2,3-Trichloropropane	5000	4850		ug/Kg		97	70 - 130
1,2,4-Trichlorobenzene	5000	5230		ug/Kg		105	70 - 130
1,2,4-Trimethylbenzene	5000	4130		ug/Kg		83	70 - 130
1,2-Dibromo-3-Chloropropane	5000	5330		ug/Kg		107	70 - 130
1,2-Dichlorobenzene	5000	4500		ug/Kg		90	70 - 130
1,2-Dichloroethane	5000	5850		ug/Kg		117	70 - 130
1,2-Dichloropropane	5000	4250		ug/Kg		85	70 - 130
1,3,5-Trimethylbenzene	5000	4000		ug/Kg		80	70 - 130
1,3-Dichlorobenzene	5000	4150		ug/Kg		83	70 - 130
1,3-Dichloropropane	5000	5080		ug/Kg		102	70 - 130
1,4-Dichlorobenzene	5000	4150		ug/Kg		83	70 - 130
2,2-Dichloropropane	5000	3850		ug/Kg		77	70 - 130
2-Butanone (MEK)	50000	49700		ug/Kg		99	70 - 130
2-Chlorotoluene	5000	4080		ug/Kg		82	70 - 130
2-Hexanone	50000	50000		ug/Kg		100	70 - 130
4-Chlorotoluene	5000	4080		ug/Kg		82	70 - 130
4-Isopropyltoluene	5000	4150		ug/Kg		83	70 - 130
4-Methyl-2-pentanone (MIBK)	50000	50600		ug/Kg		101	70 - 130
Acetone	50000	50000		ug/Kg		100	70 - 130
Acrylonitrile	5000	4480		ug/Kg		90	70 - 130
Benzene	5000	4150		ug/Kg		83	70 - 130
Bromobenzene	5000	4350		ug/Kg		87	70 - 130
Bromoform	5000	5000		ug/Kg		100	70 - 130
Bromomethane	5000	3230	*	ug/Kg		65	70 - 130
Carbon disulfide	5000	4450		ug/Kg		89	70 - 130
Carbon tetrachloride	5000	5100		ug/Kg		102	70 - 130
Chlorobenzene	5000	4100		ug/Kg		82	70 - 130
Chlorodibromomethane	5000	4850		ug/Kg		97	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-79490/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79478 — **Prep Batch: 79490**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chloroethane	5000	3380	*	ug/Kg		68	70 - 130
Chloroform	5000	4680		ug/Kg		94	70 - 130
Chloromethane	5000	2850	*	ug/Kg		57	70 - 130
cis-1,2-Dichloroethene	5000	4300		ug/Kg		86	70 - 130
cis-1,3-Dichloropropene	5000	4750		ug/Kg		95	70 - 130
Dibromomethane	5000	5380		ug/Kg		108	70 - 130
Dichlorobromomethane	5000	5130		ug/Kg		103	70 - 130
Dichlorodifluoromethane	5000	2530	*	ug/Kg		51	70 - 130
Ethylbenzene	5000	3900		ug/Kg		78	70 - 130
Ethylene Dibromide	5000	5280		ug/Kg		106	70 - 130
Hexachlorobutadiene	5000	4450		ug/Kg		89	70 - 130
Isopropylbenzene	5000	3930		ug/Kg		79	70 - 130
m-Xylene & p-Xylene	10000	7980		ug/Kg		80	70 - 130
Methyl tert-butyl ether	5000	5280		ug/Kg		106	70 - 130
Methylene Chloride	5000	4580		ug/Kg		92	70 - 130
n-Butylbenzene	5000	3950		ug/Kg		79	70 - 130
N-Propylbenzene	5000	3780		ug/Kg		76	70 - 130
Naphthalene	5000	5130		ug/Kg		103	70 - 130
o-Xylene	5000	4150		ug/Kg		83	70 - 130
sec-Butylbenzene	5000	3750		ug/Kg		75	70 - 130
Styrene	5000	4080		ug/Kg		82	70 - 130
tert-Butylbenzene	5000	4300		ug/Kg		86	70 - 130
Tetrachloroethene	5000	4430		ug/Kg		89	70 - 130
Tetrahydrofuran	50000	51000		ug/Kg		102	70 - 130
Toluene	5000	4130		ug/Kg		83	70 - 130
trans-1,2-Dichloroethene	5000	3980		ug/Kg		80	70 - 130
trans-1,3-Dichloropropene	5000	5400		ug/Kg		108	70 - 130
trans-1,4-Dichloro-2-butene	5000	4030		ug/Kg		81	70 - 130
Trichloroethene	5000	4230		ug/Kg		85	70 - 130
Trichlorofluoromethane	5000	3880		ug/Kg		78	70 - 130
Vinyl chloride	5000	3330	*	ug/Kg		67	70 - 130
Xylenes, Total	15000	12100		ug/Kg		81	70 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*112*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 360-79490/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79478 — **Prep Batch: 79490**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5000	5200		ug/Kg		104	70 - 130	14	25
1,1,1-Trichloroethane	5000	4430		ug/Kg		89	70 - 130	5	25
1,1,2,2-Tetrachloroethane	5000	4350		ug/Kg		87	70 - 130	1	25
1,1,2-Trichloro-1,2,2-trifluoroetha ne	5000	3930		ug/Kg		79	70 - 130	3	25
1,1,2-Trichloroethane	5000	4250		ug/Kg		85	70 - 130	14	25
1,1-Dichloroethane	5000	4430		ug/Kg		89	70 - 130	3	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-79490/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79478 — **Prep Batch: 79490**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	5000	3680		ug/Kg		74	70 - 130	1	25
1,1-Dichloropropene	5000	4080		ug/Kg		82	70 - 130	2	25
1,2,3-Trichlorobenzene	5000	6130		ug/Kg		123	70 - 130	15	25
1,2,3-Trichloropropane	5000	5150		ug/Kg		103	70 - 130	6	25
1,2,4-Trichlorobenzene	5000	6100		ug/Kg		122	70 - 130	15	25
1,2,4-Trimethylbenzene	5000	4650		ug/Kg		93	70 - 130	12	25
1,2-Dibromo-3-Chloropropane	5000	5730		ug/Kg		115	70 - 130	7	25
1,2-Dichlorobenzene	5000	4800		ug/Kg		96	70 - 130	6	25
1,2-Dichloroethane	5000	5430		ug/Kg		109	70 - 130	8	25
1,2-Dichloropropane	5000	4000		ug/Kg		80	70 - 130	6	25
1,3,5-Trimethylbenzene	5000	4630		ug/Kg		93	70 - 130	14	25
1,3-Dichlorobenzene	5000	4450		ug/Kg		89	70 - 130	7	25
1,3-Dichloropropane	5000	4330		ug/Kg		87	70 - 130	16	25
1,4-Dichlorobenzene	5000	4280		ug/Kg		86	70 - 130	3	25
2,2-Dichloropropane	5000	4330		ug/Kg		87	70 - 130	12	25
2-Butanone (MEK)	50000	47200		ug/Kg		94	70 - 130	5	25
2-Chlorotoluene	5000	4550		ug/Kg		91	70 - 130	11	25
2-Hexanone	50000	42900		ug/Kg		86	70 - 130	15	25
4-Chlorotoluene	5000	4200		ug/Kg		84	70 - 130	3	25
4-Isopropyltoluene	5000	4700		ug/Kg		94	70 - 130	12	25
4-Methyl-2-pentanone (MIBK)	50000	49200		ug/Kg		98	70 - 130	3	25
Acetone	50000	57400		ug/Kg		115	70 - 130	14	25
Acrylonitrile	5000	4430		ug/Kg		89	70 - 130	1	25
Benzene	5000	4130		ug/Kg		83	70 - 130	1	25
Bromobenzene	5000	4580		ug/Kg		92	70 - 130	5	25
Bromoform	5000	4850		ug/Kg		97	70 - 130	3	25
Bromomethane	5000	3700		ug/Kg		74	70 - 130	14	25
Carbon disulfide	5000	4600		ug/Kg		92	70 - 130	3	25
Carbon tetrachloride	5000	5180		ug/Kg		104	70 - 130	1	25
Chlorobenzene	5000	4330		ug/Kg		87	70 - 130	5	25
Chlorodibromomethane	5000	4230		ug/Kg		85	70 - 130	14	25
Chloroethane	5000	3730		ug/Kg		75	70 - 130	10	25
Chloroform	5000	4680		ug/Kg		94	70 - 130	0	25
Chloromethane	5000	2980		ug/Kg		60	70 - 130	4	25
cis-1,2-Dichloroethene	5000	4350		ug/Kg		87	70 - 130	1	25
cis-1,3-Dichloropropene	5000	4300		ug/Kg		86	70 - 130	10	25
Dibromomethane	5000	4930		ug/Kg		99	70 - 130	9	25
Dichlorobromomethane	5000	4830		ug/Kg		97	70 - 130	6	25
Dichlorodifluoromethane	5000	2450		ug/Kg		49	70 - 130	3	25
Ethylbenzene	5000	4280		ug/Kg		86	70 - 130	9	25
Ethylene Dibromide	5000	4450		ug/Kg		89	70 - 130	17	25
Hexachlorobutadiene	5000	5380		ug/Kg		108	70 - 130	19	25
Isopropylbenzene	5000	4450		ug/Kg		89	70 - 130	13	25
m-Xylene & p-Xylene	10000	8730		ug/Kg		87	70 - 130	9	25
Methyl tert-butyl ether	5000	5280		ug/Kg		106	70 - 130	0	25
Methylene Chloride	5000	5150		ug/Kg		103	70 - 130	12	25
n-Butylbenzene	5000	4250		ug/Kg		85	70 - 130	7	25
N-Propylbenzene	5000	4200		ug/Kg		84	70 - 130	11	25
Naphthalene	5000	5830		ug/Kg		117	70 - 130	13	25
o-Xylene	5000	4680		ug/Kg		94	70 - 130	12	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-79490/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79478 — **Prep Batch: 79490**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
sec-Butylbenzene	5000	4200		ug/Kg		84	70 - 130	11	25
Styrene	5000	4230		ug/Kg		85	70 - 130	4	25
tert-Butylbenzene	5000	4900		ug/Kg		98	70 - 130	13	25
Tetrachloroethene	5000	4180		ug/Kg		84	70 - 130	6	25
Tetrahydrofuran	50000	45100		ug/Kg		90	70 - 130	12	25
Toluene	5000	3880		ug/Kg		78	70 - 130	6	25
trans-1,2-Dichloroethene	5000	4100		ug/Kg		82	70 - 130	3	25
trans-1,3-Dichloropropene	5000	4550		ug/Kg		91	70 - 130	17	25
trans-1,4-Dichloro-2-butene	5000	4650		ug/Kg		93	70 - 130	14	25
Trichloroethene	5000	4130		ug/Kg		83	70 - 130	2	25
Trichlorofluoromethane	5000	3950		ug/Kg		79	70 - 130	2	25
Vinyl chloride	5000	3500		ug/Kg		70	70 - 130	5	25
Xylenes, Total	15000	13400		ug/Kg		89	70 - 130	10	25

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*109*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Method: 8270 - Semivolatile Compounds (GC/MS) Low level

Lab Sample ID: MB 360-79219/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 79291 — **Prep Batch: 79219**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 15:19	1
Acenaphthene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 15:19	1
Acenaphthylene	ND		0.30		ug/L		08/30/11 17:00	08/31/11 15:19	1
Anthracene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 15:19	1
Benzo[a]anthracene	ND		0.30		ug/L		08/30/11 17:00	08/31/11 15:19	1
Benzo[a]pyrene	ND		0.20		ug/L		08/30/11 17:00	08/31/11 15:19	1
Benzo[b]fluoranthene	ND		0.30		ug/L		08/30/11 17:00	08/31/11 15:19	1
Benzo[g,h,i]perylene	ND		0.50		ug/L		08/30/11 17:00	08/31/11 15:19	1
Benzo[k]fluoranthene	ND		0.30		ug/L		08/30/11 17:00	08/31/11 15:19	1
Chrysene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 15:19	1
Dibenz(a,h)anthracene	ND		0.50		ug/L		08/30/11 17:00	08/31/11 15:19	1
Fluoranthene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 15:19	1
Fluorene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 15:19	1
Indeno[1,2,3-cd]pyrene	ND		0.50		ug/L		08/30/11 17:00	08/31/11 15:19	1
Naphthalene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 15:19	1
Phenanthrene	ND		0.20		ug/L		08/30/11 17:00	08/31/11 15:19	1
Pyrene	ND		5.0		ug/L		08/30/11 17:00	08/31/11 15:19	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*30 - 130*	*08/30/11 17:00*	*08/31/11 15:19*	*1*
Nitrobenzene-d5	*67*		*30 - 130*	*08/30/11 17:00*	*08/31/11 15:19*	*1*
Terphenyl-d14	*63*		*30 - 130*	*08/30/11 17:00*	*08/31/11 15:19*	*1*

Method: 8270 - Semivolatile Compounds (GC/MS) Low level (Continued)

Lab Sample ID: LCS 360-79219/2-A
Matrix: Water
Analysis Batch: 79291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79219

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2-Methylnaphthalene	8.00	4.59		ug/L		57	40 - 140
Acenaphthene	8.00	5.68		ug/L		71	40 - 140
Acenaphthylene	8.00	5.23		ug/L		65	40 - 140
Anthracene	8.00	6.39		ug/L		80	40 - 140
Benzo[a]anthracene	8.00	6.85		ug/L		86	40 - 140
Benzo[a]pyrene	8.00	6.67		ug/L		83	40 - 140
Benzo[b]fluoranthene	8.00	5.45		ug/L		68	40 - 140
Benzo[g,h,i]perylene	8.00	10.5		ug/L		131	40 - 140
Benzo[k]fluoranthene	8.00	6.29		ug/L		79	40 - 140
Chrysene	8.00	7.02		ug/L		88	40 - 140
Dibenz(a,h)anthracene	8.00	9.82		ug/L		123	40 - 140
Fluoranthene	8.00	6.73		ug/L		84	40 - 140
Fluorene	8.00	5.79		ug/L		72	40 - 140
Indeno[1,2,3-cd]pyrene	8.00	10.0		ug/L		125	40 - 140
Naphthalene	8.00	5.04		ug/L		63	40 - 140
Phenanthrene	8.00	5.85		ug/L		73	40 - 140
Pyrene	8.00	5.70		ug/L		71	40 - 140

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*30 - 130*
Nitrobenzene-d5	*70*		*30 - 130*
Terphenyl-d14	*65*		*30 - 130*

Lab Sample ID: LCSD 360-79219/3-A
Matrix: Water
Analysis Batch: 79291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79219

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	8.00	4.57		ug/L		57	40 - 140	0	20
Acenaphthene	8.00	5.52		ug/L		69	40 - 140	3	20
Acenaphthylene	8.00	5.18		ug/L		65	40 - 140	1	20
Anthracene	8.00	6.60		ug/L		83	40 - 140	3	20
Benzo[a]anthracene	8.00	6.90		ug/L		86	40 - 140	1	20
Benzo[a]pyrene	8.00	6.83		ug/L		85	40 - 140	2	20
Benzo[b]fluoranthene	8.00	5.47		ug/L		68	40 - 140	0	20
Benzo[g,h,i]perylene	8.00	10.8		ug/L		135	40 - 140	3	20
Benzo[k]fluoranthene	8.00	6.40		ug/L		80	40 - 140	2	20
Chrysene	8.00	7.25		ug/L		91	40 - 140	3	20
Dibenz(a,h)anthracene	8.00	10.1		ug/L		126	40 - 140	3	20
Fluoranthene	8.00	6.82		ug/L		85	40 - 140	1	20
Fluorene	8.00	5.70		ug/L		71	40 - 140	2	20
Indeno[1,2,3-cd]pyrene	8.00	10.5		ug/L		131	40 - 140	5	20
Naphthalene	8.00	4.91		ug/L		61	40 - 140	3	20
Phenanthrene	8.00	5.98		ug/L		75	40 - 140	2	20
Pyrene	8.00	5.54		ug/L		69	40 - 140	3	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*30 - 130*
Nitrobenzene-d5	*70*		*30 - 130*

Method: 8270 - Semivolatile Compounds (GC/MS) Low level (Continued)

Lab Sample ID: LCSD 360-79219/3-A
Matrix: Water
Analysis Batch: 79291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79219

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
Terphenyl-d14	61		30 - 130

Method: 8270C - Semivolatile Compounds (GC/MS)

Lab Sample ID: MB 360-79227/1-A
Matrix: Solid
Analysis Batch: 79380

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79227

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		170		ug/Kg		08/30/11 14:00	09/01/11 17:21	1
Acenaphthene	ND		170		ug/Kg		08/30/11 14:00	09/01/11 17:21	1
Anthracene	ND		170		ug/Kg		08/30/11 14:00	09/01/11 17:21	1
Benzo[a]anthracene	ND		170		ug/Kg		08/30/11 14:00	09/01/11 17:21	1
Benzo[a]pyrene	ND		170		ug/Kg		08/30/11 14:00	09/01/11 17:21	1
Acenaphthylene	ND		170		ug/Kg		08/30/11 14:00	09/01/11 17:21	1
Benzo[b]fluoranthene	ND		170		ug/Kg		08/30/11 14:00	09/01/11 17:21	1
Benzo[g,h,i]perylene	ND		170		ug/Kg		08/30/11 14:00	09/01/11 17:21	1
Benzo[k]fluoranthene	ND		180		ug/Kg		08/30/11 14:00	09/01/11 17:21	1
Chrysene	ND		170		ug/Kg		08/30/11 14:00	09/01/11 17:21	1
Dibenz(a,h)anthracene	ND		170		ug/Kg		08/30/11 14:00	09/01/11 17:21	1
Fluoranthene	ND		170		ug/Kg		08/30/11 14:00	09/01/11 17:21	1
Fluorene	ND		170		ug/Kg		08/30/11 14:00	09/01/11 17:21	1
Indeno[1,2,3-cd]pyrene	ND		330		ug/Kg		08/30/11 14:00	09/01/11 17:21	1
Naphthalene	ND		170		ug/Kg		08/30/11 14:00	09/01/11 17:21	1
Phenanthrene	ND		170		ug/Kg		08/30/11 14:00	09/01/11 17:21	1
Pyrene	ND		170		ug/Kg		08/30/11 14:00	09/01/11 17:21	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	87		30 - 130	08/30/11 14:00	09/01/11 17:21	1
2-Fluorobiphenyl	86		30 - 130	08/30/11 14:00	09/01/11 17:21	1
Terphenyl-d14 (Surr)	99		30 - 130	08/30/11 14:00	09/01/11 17:21	1

Lab Sample ID: LCS 360-79227/2-A
Matrix: Solid
Analysis Batch: 79380

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79227

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2-Methylnaphthalene	1330	1090		ug/Kg		82	40 - 140
Acenaphthene	1330	1270		ug/Kg		96	40 - 140
Anthracene	1330	1350		ug/Kg		102	40 - 140
Benzo[a]anthracene	1330	1360		ug/Kg		102	40 - 140
Benzo[a]pyrene	1330	1370		ug/Kg		103	40 - 140
Acenaphthylene	1330	1050		ug/Kg		79	40 - 140
Benzo[b]fluoranthene	1330	1250		ug/Kg		94	40 - 140
Benzo[g,h,i]perylene	1330	1450		ug/Kg		109	40 - 140
Benzo[k]fluoranthene	1330	1450		ug/Kg		109	40 - 140
Chrysene	1330	1380		ug/Kg		104	40 - 140
Dibenz(a,h)anthracene	1330	1470		ug/Kg		110	40 - 140
Fluoranthene	1330	1330		ug/Kg		100	40 - 140

Method: 8270C - Semivolatile Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-79227/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79380 — **Prep Batch: 79227**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Fluorene	1330	1330		ug/Kg		100	40 - 140
Indeno[1,2,3-cd]pyrene	1330	1470		ug/Kg		110	40 - 140
Naphthalene	1330	1080		ug/Kg		81	40 - 140
Phenanthrene	1330	1290		ug/Kg		97	40 - 140
Pyrene	1330	1370		ug/Kg		103	40 - 140

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*84*		*30 - 130*
2-Fluorobiphenyl	*87*		*30 - 130*
Terphenyl-d14 (Surr)	*92*		*30 - 130*

Lab Sample ID: LCSD 360-79227/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79380 — **Prep Batch: 79227**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	1330	1080		ug/Kg		81	40 - 140	1	30
Acenaphthene	1330	1270		ug/Kg		96	40 - 140	0	30
Anthracene	1330	1370		ug/Kg		103	40 - 140	1	30
Benzo[a]anthracene	1330	1380		ug/Kg		103	40 - 140	1	30
Benzo[a]pyrene	1330	1360		ug/Kg		102	40 - 140	0	30
Acenaphthylene	1330	1050		ug/Kg		79	40 - 140	0	30
Benzo[b]fluoranthene	1330	1300		ug/Kg		97	40 - 140	4	30
Benzo[g,h,i]perylene	1330	1510		ug/Kg		113	40 - 140	4	30
Benzo[k]fluoranthene	1330	1340		ug/Kg		101	40 - 140	8	30
Chrysene	1330	1370		ug/Kg		103	40 - 140	1	30
Dibenz(a,h)anthracene	1330	1540		ug/Kg		116	40 - 140	5	30
Fluoranthene	1330	1340		ug/Kg		100	40 - 140	1	30
Fluorene	1330	1340		ug/Kg		101	40 - 140	1	30
Indeno[1,2,3-cd]pyrene	1330	1530		ug/Kg		115	40 - 140	4	30
Naphthalene	1330	1090		ug/Kg		82	40 - 140	1	30
Phenanthrene	1330	1300		ug/Kg		98	40 - 140	1	30
Pyrene	1330	1390		ug/Kg		104	40 - 140	1	30

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*78*		*30 - 130*
2-Fluorobiphenyl	*86*		*30 - 130*
Terphenyl-d14 (Surr)	*90*		*30 - 130*

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Lab Sample ID: MB 360-79139/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79173 — **Prep Batch: 79139**

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	ND		3.3		mg/Kg		08/29/11 14:50	08/30/11 20:03	1

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC) (Continued)

Lab Sample ID: MB 360-79139/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79173 — **Prep Batch: 79139**

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 105	08/29/11 14:50	08/30/11 20:03	1

Lab Sample ID: LCS 360-79139/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79173 — **Prep Batch: 79139**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
CT ETPH	167	125		mg/Kg		75	60 - 120

Surrogate	LCS % Recovery	LCS Qualifier	Limits
o-Terphenyl	80		50 - 105

Lab Sample ID: LCSD 360-79139/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79173 — **Prep Batch: 79139**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
CT ETPH	167	119		mg/Kg		71	60 - 120	5	30

Surrogate	LCSD % Recovery	LCSD Qualifier	Limits
o-Terphenyl	78		50 - 105

Lab Sample ID: MB 360-79296/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 79353 — **Prep Batch: 79296**

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	ND		0.10		mg/L		08/31/11 13:30	09/01/11 18:39	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	116		50 - 127	08/31/11 13:30	09/01/11 18:39	1

Lab Sample ID: LCS 360-79296/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 79353 — **Prep Batch: 79296**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
CT ETPH	5.00	5.00		mg/L		100	60 - 120

Surrogate	LCS % Recovery	LCS Qualifier	Limits
o-Terphenyl	108		50 - 127

Lab Sample ID: LCSD 360-79296/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 79353 — **Prep Batch: 79296**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
CT ETPH	5.00	4.92		mg/L		98	60 - 120	2	30

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC) (Continued)

Lab Sample ID: LCSD 360-79296/3-A
Matrix: Water
Analysis Batch: 79353

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79296

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*108*		*50 - 127*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 220-54406/1-A
Matrix: Solid
Analysis Batch: 54430

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54406

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15		ug/L		08/31/11 09:32	08/31/11 14:20	1
Antimony	ND		15		ug/L		08/31/11 09:32	08/31/11 14:20	1
Copper	ND		10		ug/L		08/31/11 09:32	08/31/11 14:20	1
Lead	ND		15		ug/L		08/31/11 09:32	08/31/11 14:20	1

Lab Sample ID: LCS 220-54406/2-A
Matrix: Solid
Analysis Batch: 54430

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Arsenic	1000	1060		ug/L		106	80 - 120
Antimony	1000	1080		ug/L		108	80 - 120
Copper	300	340		ug/L		113	80 - 120
Lead	1000	1120		ug/L		112	80 - 120

Lab Sample ID: MB 360-79093/1-A
Matrix: Solid
Analysis Batch: 79158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0		mg/Kg		08/29/11 08:14	08/29/11 16:45	1
Lead	ND		0.50		mg/Kg		08/29/11 08:14	08/29/11 16:45	1
Copper	ND		1.0		mg/Kg		08/29/11 08:14	08/29/11 16:45	1
Antimony	ND		0.50		mg/Kg		08/29/11 08:14	08/29/11 16:45	1

Lab Sample ID: LCDSRM 360-79093/3-A
LCDSRM
Matrix: Solid
Analysis Batch: 79158

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79093

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Arsenic	90.0	76.0		mg/Kg		84	61 - 117	3	30
Lead	267	197		mg/Kg		74	64.8 - 110	4	30
Copper	157	151		mg/Kg		96	70.7 - 117	2	30
Antimony	152	45.8		mg/Kg		30	10.0 - 110	1	30

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 360-79093/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 79158 — **Prep Batch: 79093**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	% Rec	% Rec. Limits
Arsenic	90.0	78.1		mg/Kg		87	61 - 117
Lead	267	205		mg/Kg		77	64.8 - 110
Copper	157	153		mg/Kg		98	70.7 - 117
Antimony	152	45.3		mg/Kg		30	10.0 - 110

Lab Sample ID: LB 220-54363/6-C LB — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: SPLP East**
Analysis Batch: 54519 — **Prep Batch: 54406**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15		ug/L		08/31/11 09:32	09/02/11 12:08	1
Antimony	ND		15		ug/L		08/31/11 09:32	09/02/11 12:08	1
Copper	ND		10		ug/L		08/31/11 09:32	09/02/11 12:08	1
Lead	ND		15		ug/L		08/31/11 09:32	09/02/11 12:08	1

Lab Sample ID: 360-35974-1 MS — **Client Sample ID: HA-127**
Matrix: Solid — **Prep Type: SPLP East**
Analysis Batch: 54519 — **Prep Batch: 54406**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Arsenic	ND		200	208		ug/L		102	75 - 125
Antimony	ND		200	200		ug/L		100	75 - 125
Copper	68		60.0	125		ug/L		96	75 - 125
Lead	43		200	251		ug/L		104	75 - 125

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 360-79090/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 79220 — **Prep Batch: 79090**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0		ug/L		08/29/11 07:41	08/30/11 12:55	1
Copper	ND		1.0		ug/L		08/29/11 07:41	08/30/11 12:55	1
Lead	ND		1.0		ug/L		08/29/11 07:41	08/30/11 12:55	1
Antimony	ND		1.0		ug/L		08/29/11 07:41	08/30/11 12:55	1

Lab Sample ID: LCS 360-79090/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 79220 — **Prep Batch: 79090**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Arsenic	50.0	46.6		ug/L		93	80 - 120
Copper	50.0	48.4		ug/L		97	80 - 120
Lead	50.0	51.7		ug/L		103	80 - 120
Antimony	50.0	48.7		ug/L		97	80 - 120

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 360-79090/3-A
Matrix: Water
Analysis Batch: 79220

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79090

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Arsenic	50.0	47.5		ug/L		95	80 - 120	2	20
Copper	50.0	50.8		ug/L		102	80 - 120	5	20
Lead	50.0	53.3		ug/L		107	80 - 120	3	20
Antimony	50.0	50.8		ug/L		102	80 - 120	4	20

CTETPH - MASS DISCRIMINATION CHECK

Date: 6/29/2011 08:56
Job #: **35974**
Analyst: **CT**

Sample Name: **1750ug/mL**
File ID **F178530.D**

Name	Target Response	Response factor	Mass Discim % DIFF (+- 20%)
C9	362730	2901.84	4.09
C10	364142	2913.136	4.49
C12	364843	2918.744	4.69
C14	362588	2900.704	4.05
C16	363186	2905.488	4.22
C18	366658	2933.264	5.21
C19	351584	2812.672	0.89
C20	362656	2901.248	4.07
C22	362163	2897.304	3.92
C24	360345	2882.76	3.40
C26	359593	2876.744	3.19
C28	345740	2765.92	-0.79
C30	338896	2711.168	-2.75
C36	213713	1709.704	-38.67
Average RF		2787.906857	

NOTE: One alkane can exceed 20%, but not above 50% difference.

CTETPH - MASS DISCRIMINATION CHECK

Date: 9/1/11 16:33
Job #: **35974**
Analyst: **CT**

Sample Name: **1750ug/mL**
File ID **F178530.D**

Name	Target Response	Response factor	Mass Discim % DIFF (+- 20%)
C9	362730	2901.84	4.09
C10	364142	2913.136	4.49
C12	364843	2918.744	4.69
C14	362588	2900.704	4.05
C16	363186	2905.488	4.22
C18	366658	2933.264	5.21
C19	351584	2812.672	0.89
C20	362656	2901.248	4.07
C22	362163	2897.304	3.92
C24	360345	2882.76	3.40
C26	359593	2876.744	3.19
C28	345740	2765.92	-0.79
C30	338896	2711.168	-2.75
C36	213713	1709.704	-38.67
Average RF		2787.906857	

NOTE: One alkane can exceed 20%, but not above 50% difference.

Lab Chronicle

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

Client Sample ID: HA-127

Lab Sample ID: 360-35974-1
Date Collected: 08/25/11 09:00
Matrix: Solid
Date Received: 08/26/11 10:20
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			79466	09/02/11 09:00	SS	TAL WFD
Total/NA	Analysis	8260B		1	79448	09/02/11 12:08	SS	TAL WFD
Total/NA	Prep	3546			79227	08/30/11 19:00	MJM	TAL WFD
Total/NA	Analysis	8270C		5	79380	09/01/11 21:47	CMR	TAL WFD
Total/NA	Prep	3546			79139	08/29/11 14:50	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		5	79353	09/02/11 01:32	CT	TAL WFD
SPLP East	Leach	1312			54363	08/29/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			54406	08/31/11 09:32	JFV	TAL CT
SPLP East	Analysis	6010B		1	54519	09/02/11 12:11	NP	TAL CT
Total/NA	Prep	3050B			79093	08/29/11 08:14	OG	TAL WFD
Total/NA	Analysis	6010B		1	79158	08/29/11 17:40	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	79142	08/29/11 15:43	OG	TAL WFD

Client Sample ID: HA-130

Lab Sample ID: 360-35974-2
Date Collected: 08/25/11 10:00
Matrix: Solid
Date Received: 08/26/11 10:20
Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			79490	09/02/11 10:00	SS	TAL WFD
Total/NA	Analysis	8260B		5	79478	09/02/11 16:37	SS	TAL WFD
Total/NA	Prep	3546			79227	08/30/11 19:00	MJM	TAL WFD
Total/NA	Analysis	8270C		5	79380	09/01/11 22:17	CMR	TAL WFD
Total/NA	Prep	3546			79139	08/29/11 14:50	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		5	79353	09/02/11 02:04	CT	TAL WFD
SPLP East	Leach	1312			54363	08/29/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			54406	08/31/11 09:32	JFV	TAL CT
SPLP East	Analysis	6010B		1	54519	09/02/11 12:17	NP	TAL CT
Total/NA	Prep	3050B			79093	08/29/11 08:14	OG	TAL WFD
Total/NA	Analysis	6010B		1	79158	08/29/11 17:49	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	79142	08/29/11 15:43	OG	TAL WFD

Client Sample ID: DUP-1

Lab Sample ID: 360-35974-3
Date Collected: 08/25/11 12:00
Matrix: Solid
Date Received: 08/26/11 10:20
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			79466	09/02/11 09:00	SS	TAL WFD
Total/NA	Analysis	8260B		1	79448	09/02/11 12:31	SS	TAL WFD
Total/NA	Prep	3546			79227	08/30/11 19:00	MJM	TAL WFD
Total/NA	Analysis	8270C		5	79380	09/01/11 22:47	CMR	TAL WFD
Total/NA	Prep	3546			79139	08/29/11 14:50	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		5	79353	09/02/11 02:35	CT	TAL WFD
SPLP East	Leach	1312			54363	08/29/11 14:15	AB	TAL CT
SPLP East	Prep	3010A			54406	08/31/11 09:32	JFV	TAL CT
SPLP East	Analysis	6010B		1	54430	08/31/11 15:08	NP	TAL CT

Lab Chronicle

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

Client Sample ID: DUP-1

Lab Sample ID: 360-35974-3
Date Collected: 08/25/11 12:00
Matrix: Solid
Date Received: 08/26/11 10:20
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			79093	08/29/11 08:14	OG	TAL WFD
Total/NA	Analysis	6010B		1	79158	08/29/11 17:52	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	79142	08/29/11 15:43	OG	TAL WFD

Client Sample ID: EB-2

Lab Sample ID: 360-35974-4
Date Collected: 08/25/11 12:00
Matrix: Water
Date Received: 08/26/11 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	79141	08/29/11 15:49	TH	TAL WFD
Total/NA	Prep	3510C			79219	08/30/11 17:00	MJM	TAL WFD
Total/NA	Analysis	8270		1	79291	08/31/11 17:58	CMR	TAL WFD
Total/NA	Prep	3510C			79296	08/31/11 13:30	VMM	TAL WFD
Total/NA	Analysis	CT ETPH		1	79353	09/01/11 21:50	CT	TAL WFD
Total/NA	Prep	3020A			79090	08/29/11 07:41	EMN	TAL WFD
Total/NA	Analysis	6020		1	79220	08/30/11 13:40	TJS	TAL WFD

Client Sample ID: Trip Blank

Lab Sample ID: 360-35974-5
Date Collected: 08/25/11 09:00
Matrix: Solid
Date Received: 08/26/11 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			79466	09/02/11 09:00	SS	TAL WFD
Total/NA	Analysis	8260B		1	79448	09/02/11 12:53	SS	TAL WFD

Laboratory References:

TAL CT = TestAmerica Connecticut, 128 Long Hill Cross Road, Shelton, CT 06484, TEL (203)929-8140

TAL WFD = TestAmerica Westfield, Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085, TEL (413)572-4000

Certification Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35974-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Westfield	Connecticut	State Program	1	PH-0494
TestAmerica Westfield	Maine	State Program	1	MA00014
TestAmerica Westfield	Massachusetts	State Program	1	M-MA014
TestAmerica Westfield	New Hampshire	NELAC	1	2539
TestAmerica Westfield	New York	NELAC	2	10843
TestAmerica Westfield	North Carolina	North Carolina DENR	4	647
TestAmerica Westfield	Rhode Island	State Program	1	LAO00057
TestAmerica Westfield	Vermont	State Program	1	VT-10843
TestAmerica Connecticut	Connecticut	State Program	1	PH-0497
TestAmerica Connecticut	Massachusetts	State Program	1	M-CT023
TestAmerica Connecticut	New Jersey	NELAC	2	CT410
TestAmerica Connecticut	New York	NELAC	2	10602
TestAmerica Connecticut	NRC	NRC		06-30139-01
TestAmerica Connecticut	Rhode Island	State Program	1	LAO00226
TestAmerica Connecticut	USDA	USDA		P330-11-00082

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

State Accreditation Matrix

Method Name	Description	State where **Primary** Accreditation is Carried			
		New Hampshire (NELAC)	Mass	Conn	North Carolina
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)	NP			
SM 4500 Cl F	Chlorine, Residual		NP		
SM 9215E	Heterotrophic Plate Count (SimPlate)		P		
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP		
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P		
SM 9224	Coliforms, Total, and E.Coli (Enumeration)		P		
1103.1	E.coli		ambient/ source		
Enterolert	Enterococcus				
200.8 Rev 5.4	Metals (ICP/MS) (list upon request)	NP/P	NP/P		
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P		
6010B	Metals (ICP)(list upon request)	NP/SW			
245.1	Mercury (CVAA)	NP/P	NP		
7470A	Mercury (CVAA)	NP			
7471A	Mercury (CVAA)	SW			
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP		
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P			
3010A	Preparation, Total Metals	NP/P			
3020A	Preparation, Total Metals	NP/P/SW			
3050B	Preparation, Metals	SW			
504.1	EDB, DBCP and 1,2,3-TCP (GC)	P	P		
608	Organochlorine Pest/PCBs (list upon request)	NP	NP		
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP	NP		
3546	Microwave Extraction	SW			
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP			
3550B	Ultrasonic Extraction	SW			
8081A	Organochlorine Pesticides (GC)(list upon request)	NP/SW			
8082	PCBs by Gas Chromatography(list upon request)	NP/SW			
8270C	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW			
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)			NP/SW	
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)				NP/SW
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P		
524.2	Trihalomethane compounds	P	P		
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP		
5035	Closed System Purge and Trap	SW			
5030B	Purge and Trap	NP			
8260B	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW			
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)				NP/SW
180.1	Turbidity, Nephelometric	P	P		
300	Anions, Ion Chromatography	NP/P	NP/P		
410.4	COD	NP	NP		
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW			
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP		
7196A	Chromium, Hexavalent	NP/SW			
9012A	Cyanide, Total and/or Amenable	NP/SW			
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP			
9045C	pH	SW			
L107041C	Nitrogen, Nitrate	NP	P		
L107-06-1B	Nitrogen Ammonia	NP	NP		
L204001A CN	Cyanide, Total	P	NP/P		
L210-001A	Phenolics, Total Recoverable	NP	NP		
SM 2320B	Alkalinity	NP/P	NP/P		
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P		
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P		
SM 2540D	Solids, Total Suspended (TSS)	NP	NP		
SM 3500 CR D	Chromium, Hexavalent	NP			
SM 4500 H+ B	pH	NP/P	NP/P		
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P		
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP		
SM 4500 P E	Phosphorus, Total	NP	NP		
SM 4500 S2 D	Sulfide, Total	NP			
SM 5210B	BOD, 5-Day	NP	NP		
SM 5310B	Organic Carbon, Total (TOC)	NP/P	NP		

Not all organic compounds are accreditied under NELAC
For methods with multiple compounds all compounds may not meet NELAC criteria, listing should be obtained from the laboratory
The lab carries additional accreditations with several states. This is the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Login Sample Receipt Checklist

Client: Tighe & Bond

Job Number: 360-35974-1

Login Number: 35974

List Source: TestAmerica Westfield

List Number: 1

Creator: Beaumier, Janine E

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Trip Blank was provided but not listed on CoC.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Tighe & Bond

Job Number: 360-35974-1

Login Number: 35974
List Number: 1
Creator: Puccino, Tracy

List Source: TestAmerica Connecticut
List Creation: 08/27/11 11:39 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.4C probe #1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Westfield
53 Southampton Road

Westfield, MA 1085
phone 413.572.4000 fax 413.572.3707

360-35974

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: James Olsen	Site Contact: Meghan Schuab	Date:	COC No:
Tighe & Bond	Tel/Fax:	Lab Contact: Becky Mason	Carrier:	___ of ___ COCs
213 Court Street, Suite 900	Analysis Turnaround Time			Job No. 22-0817
Middletown, CT 06457	Calendar (C) or Work Days (W)			
(860) 704-4761 Phone	TAT if different from Below Standard			SDG No.
(860) 704-4775 FAX	☐ 2 weeks			
Project Name: Meriden Brownfields	☐ 1 week			
Site: 116 Cook Ave	☐ 2 days			
PO# 22-0817	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs 8260	PAHs 8270	CT ETPH	Metals - Mass + SPLP	Sample Specific Notes:
HA-127	8-25-11	0900	G	S	7		X	X	X	X	3 encores / bag
HA-130	8-25-11	1000	G	S	6		X	X	X	X	
DUP-1	8-25-11		G	S	6		X	X	X	X	
EB-2	8-25-11	1200	G	W	9		X	X	X	X	

JB 8/26 11

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: CT RCP, CT RSR.
Metals: Mass + SPLP: Arsenic, Antimony, Copper, and Lead
Price Quote: Meriden Brownfields

No SPLP metals on EB-2

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Tighe & Bond	8-25-11 1930	T&B Sample fridge	T&B	8-25-11 1930
[signature]	T&B	8-26-11 0800	[signature]		8-26-11 0800
[signature]	8-26-11 10:20		[signature] TA		8/26/11 10:20

0.6°C w/ ice

ANALYTICAL REPORT

Job Number: 200-6751-1

Job Description: Meriden Brownfields

For:
Tighe & Bond
213 Court Street
Middletown, CT 06457

Attention: Jim Olsen

Approved for release.
Don C Dawicki
Project Manager II
9/14/2011 7:44 AM

Don C Dawicki
Project Manager II
don.dawicki@testamericainc.com
09/14/2011

cc: Ms. Meghan Schaub

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	**TestAmerica Burlington**	***Client:***	**Tighe & Bond**
Project Location:	**Meriden Brownfields**	***Project Number:***	**200-6751-1**
Laboratory Sample ID (s):	**200-6751-1 to 200-6751-7**	***Sampling Date (s):***	
RCP Method:	**TO-15**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6℃)?	Yes	N/A √	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes √		No
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met? (Refer to Report Narrative)	Yes √		No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No √
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes		No √

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Project Manager

Printed Name: Don Dawicki Date: 09/14/11

The certification form has been electronically signed and approved.

Updated November 2007

CTDEP PH-0751

TestAmerica Burlington
30 Community Drive Suite 11
South Burlington, VT 05403
Tel:(802)660-1990
Fax:(802)660-1919

QAF04800.CT

CASE NARRATIVE

Client: Tighe & Bond

Project: Meriden Brownfields

Report Number: 200-6751-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 08/30/2011; the samples arrived in good condition.

HELIUM
Samples SV-1, SV-2, SV-3, SV-4, SV-5, SV-6 and DUP-1 were analyzed for Helium in accordance with ASTM D1946 (MOD). The samples were analyzed on 09/01/2011.

No difficulties were encountered during the Helium analyses.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS
Samples SV-1, SV-2, SV-3, SV-4, SV-5, SV-6 and DUP-1 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 08/31/2011 and 09/01/2011.

Samples SV-2[3X], SV-3[4X], SV-5[3X], SV-6[2X] and DUP-1[3X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The samples referenced above were analyzed for the compounds referenced in the CT RCP TO-15 method. Acrylonitrile, 1,3 Dichloropropane, and 1,1,1,2 - Tetrachloroethane were evaluated as TICs in the samples, as these compounds are not part of the laboratory's TO-15 calibration.

No difficulties were encountered during the VOC analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: Tighe & Bond

Job Number: 200-6751-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-6751-1	**SV-1**					
Helium		46		0.51	% v/v	D1946
Trichlorofluoromethane		0.24		0.20	ppb v/v	TO-15
Trichlorofluoromethane		1.4		1.1	ug/m3	TO-15
Methyl Ethyl Ketone		2.2		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		6.4		1.5	ug/m3	TO-15
Chloroform		0.59		0.20	ppb v/v	TO-15
Chloroform		2.9		0.98	ug/m3	TO-15
Toluene		1.6		0.20	ppb v/v	TO-15
Toluene		6.0		0.75	ug/m3	TO-15
Xylene (total)		0.32		0.20	ppb v/v	TO-15
Xylene (total)		1.4		0.87	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.30		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		1.5		0.98	ug/m3	TO-15
1,3-Dichlorobenzene		0.47		0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		2.8		1.2	ug/m3	TO-15
200-6751-2	**SV-2**					
Helium		22		0.26	% v/v	D1946
Acetone		61		17	ppb v/v	TO-15
Acetone		140		40	ug/m3	TO-15
Methyl Ethyl Ketone		12		1.7	ppb v/v	TO-15
Methyl Ethyl Ketone		34		5.0	ug/m3	TO-15
Benzene		9.2		0.68	ppb v/v	TO-15
Benzene		29		2.2	ug/m3	TO-15
Toluene		1.7		0.68	ppb v/v	TO-15
Toluene		6.5		2.6	ug/m3	TO-15
Xylene, o-		0.68		0.68	ppb v/v	TO-15
Xylene, o-		3.0		2.9	ug/m3	TO-15
Xylene (total)		2.2		0.68	ppb v/v	TO-15
Xylene (total)		9.4		2.9	ug/m3	TO-15
1,2,4-Trimethylbenzene		1.1		0.68	ppb v/v	TO-15
1,2,4-Trimethylbenzene		5.3		3.3	ug/m3	TO-15
1,3-Dichlorobenzene		2.7		0.68	ppb v/v	TO-15
1,3-Dichlorobenzene		16		4.1	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Tighe & Bond

Job Number: 200-6751-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-6751-3	**SV-3**					
Helium		3.7		0.26	% v/v	D1946
Acetone		37		18	ppb v/v	TO-15
Acetone		88		42	ug/m3	TO-15
Methyl Ethyl Ketone		4.0		1.8	ppb v/v	TO-15
Methyl Ethyl Ketone		12		5.3	ug/m3	TO-15
Chloroform		62		0.71	ppb v/v	TO-15
Chloroform		300		3.5	ug/m3	TO-15
1,1,1-Trichloroethane		2.5		0.71	ppb v/v	TO-15
1,1,1-Trichloroethane		14		3.9	ug/m3	TO-15
Carbon tetrachloride		11		0.71	ppb v/v	TO-15
Carbon tetrachloride		67		4.5	ug/m3	TO-15
Trichloroethene		30		0.71	ppb v/v	TO-15
Trichloroethene		160		3.8	ug/m3	TO-15
Toluene		1.0		0.71	ppb v/v	TO-15
Toluene		3.8		2.7	ug/m3	TO-15
Xylene (total)		1.2		0.71	ppb v/v	TO-15
Xylene (total)		5.3		3.1	ug/m3	TO-15
1,3-Dichlorobenzene		3.6		0.71	ppb v/v	TO-15
1,3-Dichlorobenzene		22		4.3	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Tighe & Bond

Job Number: 200-6751-1

Lab Sample ID	Client Sample ID					
Analyte		Result	Qualifier	Reporting Limit	Units	Method
200-6751-4	**SV-4**					
Dichlorodifluoromethane		0.60		0.50	ppb v/v	TO-15
Dichlorodifluoromethane		3.0		2.5	ug/m3	TO-15
Trichlorofluoromethane		0.53		0.20	ppb v/v	TO-15
Trichlorofluoromethane		3.0		1.1	ug/m3	TO-15
Acetone		22		5.0	ppb v/v	TO-15
Acetone		52		12	ug/m3	TO-15
Methylene Chloride		0.53		0.50	ppb v/v	TO-15
Methylene Chloride		1.8		1.7	ug/m3	TO-15
Methyl Ethyl Ketone		5.9		0.50	ppb v/v	TO-15
Methyl Ethyl Ketone		17		1.5	ug/m3	TO-15
Chloroform		9.7		0.20	ppb v/v	TO-15
Chloroform		47		0.98	ug/m3	TO-15
1,1,1-Trichloroethane		0.66		0.20	ppb v/v	TO-15
1,1,1-Trichloroethane		3.6		1.1	ug/m3	TO-15
Carbon tetrachloride		0.43		0.20	ppb v/v	TO-15
Carbon tetrachloride		2.7		1.3	ug/m3	TO-15
Trichloroethene		19		0.20	ppb v/v	TO-15
Trichloroethene		100		1.1	ug/m3	TO-15
Toluene		1.5		0.20	ppb v/v	TO-15
Toluene		5.7		0.75	ug/m3	TO-15
Tetrachloroethene		1.7		0.20	ppb v/v	TO-15
Tetrachloroethene		12		1.4	ug/m3	TO-15
Ethylbenzene		0.33		0.20	ppb v/v	TO-15
Ethylbenzene		1.4		0.87	ug/m3	TO-15
m,p-Xylene		1.3		0.50	ppb v/v	TO-15
m,p-Xylene		5.6		2.2	ug/m3	TO-15
Xylene, o-		0.70		0.20	ppb v/v	TO-15
Xylene, o-		3.1		0.87	ug/m3	TO-15
Xylene (total)		2.0		0.20	ppb v/v	TO-15
Xylene (total)		8.7		0.87	ug/m3	TO-15
1,3,5-Trimethylbenzene		0.39		0.20	ppb v/v	TO-15
1,3,5-Trimethylbenzene		1.9		0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene		1.3		0.20	ppb v/v	TO-15
1,2,4-Trimethylbenzene		6.3		0.98	ug/m3	TO-15
1,3-Dichlorobenzene		0.41		0.20	ppb v/v	TO-15
1,3-Dichlorobenzene		2.4		1.2	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Tighe & Bond

Job Number: 200-6751-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-6751-5	**SV-5**					
Helium		7.7		0.26	% v/v	D1946
Chloroform		2.3		0.65	ppb v/v	TO-15
Chloroform		11		3.2	ug/m3	TO-15
Trichloroethene		68		0.65	ppb v/v	TO-15
Trichloroethene		360		3.5	ug/m3	TO-15
Toluene		7.7		0.65	ppb v/v	TO-15
Toluene		29		2.4	ug/m3	TO-15
Tetrachloroethene		0.99		0.65	ppb v/v	TO-15
Tetrachloroethene		6.7		4.4	ug/m3	TO-15
Xylene (total)		1.4		0.65	ppb v/v	TO-15
Xylene (total)		5.9		2.8	ug/m3	TO-15
1,2,4-Trimethylbenzene		1.1		0.65	ppb v/v	TO-15
1,2,4-Trimethylbenzene		5.2		3.2	ug/m3	TO-15
200-6751-6	**SV-6**					
Helium		3.3		0.27	% v/v	D1946
Acetone		11		10	ppb v/v	TO-15
Acetone		26		24	ug/m3	TO-15
Chloroform		0.58		0.40	ppb v/v	TO-15
Chloroform		2.8		2.0	ug/m3	TO-15
Trichloroethene		41		0.40	ppb v/v	TO-15
Trichloroethene		220		2.1	ug/m3	TO-15
Xylene (total)		0.83		0.40	ppb v/v	TO-15
Xylene (total)		3.6		1.7	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.75		0.40	ppb v/v	TO-15
1,2,4-Trimethylbenzene		3.7		2.0	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Tighe & Bond

Job Number: 200-6751-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-6751-7	**DUP-1**					
Helium		22		0.24	% v/v	D1946
Acetone		49		14	ppb v/v	TO-15
Acetone		120		34	ug/m3	TO-15
Methyl Ethyl Ketone		11		1.4	ppb v/v	TO-15
Methyl Ethyl Ketone		31		4.2	ug/m3	TO-15
Benzene		8.2		0.57	ppb v/v	TO-15
Benzene		26		1.8	ug/m3	TO-15
Toluene		1.6		0.57	ppb v/v	TO-15
Toluene		5.9		2.2	ug/m3	TO-15
m,p-Xylene		1.4		1.4	ppb v/v	TO-15
m,p-Xylene		6.0		6.2	ug/m3	TO-15
Xylene, o-		0.63		0.57	ppb v/v	TO-15
Xylene, o-		2.8		2.5	ug/m3	TO-15
Xylene (total)		2.0		0.57	ppb v/v	TO-15
Xylene (total)		8.7		2.5	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.96		0.57	ppb v/v	TO-15
1,2,4-Trimethylbenzene		4.7		2.8	ug/m3	TO-15
1,3-Dichlorobenzene		1.6		0.57	ppb v/v	TO-15
1,3-Dichlorobenzene		9.8		3.4	ug/m3	TO-15

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 200-6751-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Fixed Gases (Helium)	TAL BUR	ASTM D1946	
Collection via Summa Canister	TAL BUR		Summa Canister
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Tighe & Bond

Job Number: 200-6751-1

Method	Analyst	Analyst ID
ASTM D1946	Veilleux, Michael R	MRV
EPA TO-15	Daigle, Paul A	PAD

SAMPLE SUMMARY

Client: Tighe & Bond

Job Number: 200-6751-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-6751-1	SV-1	Air	08/26/2011 0915	08/30/2011 1045
200-6751-2	SV-2	Air	08/26/2011 1145	08/30/2011 1045
200-6751-3	SV-3	Air	08/26/2011 1051	08/30/2011 1045
200-6751-4	SV-4	Air	08/25/2011 1642	08/30/2011 1045
200-6751-5	SV-5	Air	08/25/2011 1500	08/30/2011 1045
200-6751-6	SV-6	Air	08/25/2011 1208	08/30/2011 1045
200-6751-7	DUP-1	Air	08/26/2011 1145	08/30/2011 1045

SAMPLE RESULTS

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-1**

Lab Sample ID: 200-6751-1

Client Matrix: Air

Date Sampled: 08/26/2011 0915

Date Received: 08/30/2011 1045

D1946 Fixed Gases (Helium)

Analysis Method:	D1946	Analysis Batch:	200-24607	Instrument ID:	2866.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	01se111539-r011.d
Dilution:	3.0			Initial Weight/Volume:	300 uL
Analysis Date:	09/01/2011 1540			Final Weight/Volume:	300 uL
Prep Date:	09/01/2011 1540			Injection Volume:	300 uL

Analyte	Result (% v/v)	Qualifier	RL
Helium	46		0.51

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-2**

Lab Sample ID: 200-6751-2

Client Matrix: Air

Date Sampled: 08/26/2011 1145

Date Received: 08/30/2011 1045

D1946 Fixed Gases (Helium)

Analysis Method:	D1946	Analysis Batch:	200-24607	Instrument ID:	2866.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	01se111433-r021.d
Dilution:	1.5			Initial Weight/Volume:	300 uL
Analysis Date:	09/01/2011 1439			Final Weight/Volume:	300 uL
Prep Date:	09/01/2011 1439			Injection Volume:	300 uL

Analyte	Result (% v/v)	Qualifier	RL
Helium	22		0.26

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-3**

Lab Sample ID: 200-6751-3

Client Matrix: Air

Date Sampled: 08/26/2011 1051

Date Received: 08/30/2011 1045

D1946 Fixed Gases (Helium)

Analysis Method:	D1946	Analysis Batch:	200-24607	Instrument ID:	2866.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	01se111517-r011.d
Dilution:	1.5			Initial Weight/Volume:	300 uL
Analysis Date:	09/01/2011 1518			Final Weight/Volume:	300 uL
Prep Date:	09/01/2011 1518			Injection Volume:	300 uL

Analyte	Result (% v/v)	Qualifier	RL
Helium	3.7		0.26

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-4**

Lab Sample ID: 200-6751-4

Client Matrix: Air

Date Sampled: 08/25/2011 1642

Date Received: 08/30/2011 1045

D1946 Fixed Gases (Helium)

Analysis Method:	D1946	Analysis Batch:	200-24607	Instrument ID:	2866.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	01se111433-r041.d
Dilution:	1.5			Initial Weight/Volume:	300 uL
Analysis Date:	09/01/2011 1447			Final Weight/Volume:	300 uL
Prep Date:	09/01/2011 1447			Injection Volume:	300 uL

Analyte	Result (% v/v)	Qualifier	RL
Helium	0.26	U	0.26

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-5**

Lab Sample ID: 200-6751-5

Client Matrix: Air

Date Sampled: 08/25/2011 1500

Date Received: 08/30/2011 1045

D1946 Fixed Gases (Helium)

Analysis Method:	D1946	Analysis Batch:	200-24607	Instrument ID:	2866.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	01se111433-r051.d
Dilution:	1.5			Initial Weight/Volume:	300 uL
Analysis Date:	09/01/2011 1451			Final Weight/Volume:	300 uL
Prep Date:	09/01/2011 1451			Injection Volume:	300 uL

Analyte	Result (% v/v)	Qualifier	RL
Helium	7.7		0.26

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-6**

Lab Sample ID: 200-6751-6

Client Matrix: Air

Date Sampled: 08/25/2011 1208

Date Received: 08/30/2011 1045

D1946 Fixed Gases (Helium)

Analysis Method:	D1946	Analysis Batch:	200-24607	Instrument ID:	2866.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	01se111433-r061.d
Dilution:	1.6			Initial Weight/Volume:	300 uL
Analysis Date:	09/01/2011 1455			Final Weight/Volume:	300 uL
Prep Date:	09/01/2011 1455			Injection Volume:	300 uL

Analyte	Result (% v/v)	Qualifier	RL
Helium	3.3		0.27

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **DUP-1**

Lab Sample ID: 200-6751-7

Client Matrix: Air

Date Sampled: 08/26/2011 1145

Date Received: 08/30/2011 1045

D1946 Fixed Gases (Helium)

Analysis Method:	D1946	Analysis Batch:	200-24607	Instrument ID:	2866.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	01se111433-r071.d
Dilution:	1.4			Initial Weight/Volume:	300 uL
Analysis Date:	09/01/2011 1500			Final Weight/Volume:	300 uL
Prep Date:	09/01/2011 1500			Injection Volume:	300 uL

Analyte	Result (% v/v)	Qualifier	RL
Helium	22		0.24

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-1**

Lab Sample ID: 200-6751-1

Client Matrix: Air

Date Sampled: 08/26/2011 0915

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/31/2011 2218			Final Weight/Volume:	200 mL
Prep Date:	08/31/2011 2218			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.20	U	0.20
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.24		0.20
1,1-Dichloroethene	0.20	U	0.20
Acetone	5.0	U	5.0
Methylene Chloride	0.50	U	0.50
Methyl tert-butyl ether	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
1,1-Dichloroethane	0.20	U	0.20
Methyl Ethyl Ketone	2.2		0.50
cis-1,2-Dichloroethene	0.20	U	0.20
Chloroform	0.59		0.20
1,1,1-Trichloroethane	0.20	U	0.20
Carbon tetrachloride	0.20	U	0.20
Benzene	0.20	U	0.20
1,2-Dichloroethane	0.20	U	0.20
Trichloroethene	0.20	U	0.20
1,2-Dichloropropane	0.20	U	0.20
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
methyl isobutyl ketone	0.50	U	0.50
Toluene	1.6		0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20
Tetrachloroethene	0.20	U	0.20
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Chlorobenzene	0.20	U	0.20
Ethylbenzene	0.20	U	0.20
m,p-Xylene	0.50	U	0.50
Xylene, o-	0.20	U	0.20
Xylene (total)	0.32		0.20
Styrene	0.20	U	0.20
Bromoform	0.20	U	0.20
Cumene	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
1,3,5-Trimethylbenzene	0.20	U	0.20
1,2,4-Trimethylbenzene	0.30		0.20
sec-Butylbenzene	0.20	U	0.20
4-Isopropyltoluene	0.20	U	0.20
1,3-Dichlorobenzene	0.47		0.20
1,4-Dichlorobenzene	0.20	U	0.20
n-Butylbenzene	0.20	U	0.20
1,2-Dichlorobenzene	0.20	U	0.20

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-1**

Lab Sample ID: 200-6751-1

Client Matrix: Air

Date Sampled: 08/26/2011 0915

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/31/2011 2218			Final Weight/Volume:	200 mL
Prep Date:	08/31/2011 2218			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	2.5	U	2.5
Chloromethane	1.0	U	1.0
Vinyl chloride	0.51	U	0.51
Chloroethane	1.3	U	1.3
Trichlorofluoromethane	1.4		1.1
1,1-Dichloroethene	0.79	U	0.79
Acetone	12	U	12
Methylene Chloride	1.7	U	1.7
Methyl tert-butyl ether	0.72	U	0.72
trans-1,2-Dichloroethene	0.79	U	0.79
1,1-Dichloroethane	0.81	U	0.81
Methyl Ethyl Ketone	6.4		1.5
cis-1,2-Dichloroethene	0.79	U	0.79
Chloroform	2.9		0.98
1,1,1-Trichloroethane	1.1	U	1.1
Carbon tetrachloride	1.3	U	1.3
Benzene	0.64	U	0.64
1,2-Dichloroethane	0.81	U	0.81
Trichloroethene	1.1	U	1.1
1,2-Dichloropropane	0.92	U	0.92
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
methyl isobutyl ketone	2.0	U	2.0
Toluene	6.0		0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1
Tetrachloroethene	1.4	U	1.4
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Chlorobenzene	0.92	U	0.92
Ethylbenzene	0.87	U	0.87
m,p-Xylene	2.2	U	2.2
Xylene, o-	0.87	U	0.87
Xylene (total)	1.4		0.87
Styrene	0.85	U	0.85
Bromoform	2.1	U	2.1
Cumene	0.98	U	0.98
1,1,2,2-Tetrachloroethane	1.4	U	1.4
1,3,5-Trimethylbenzene	0.98	U	0.98
1,2,4-Trimethylbenzene	1.5		0.98
sec-Butylbenzene	1.1	U	1.1
4-Isopropyltoluene	1.1	U	1.1
1,3-Dichlorobenzene	2.8		1.2
1,4-Dichlorobenzene	1.2	U	1.2
n-Butylbenzene	1.1	U	1.1
1,2-Dichlorobenzene	1.2	U	1.2

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-1**

Lab Sample ID: 200-6751-1

Client Matrix: Air

Date Sampled: 08/26/2011 0915

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/31/2011 2218			Final Weight/Volume:	200 mL
Prep Date:	08/31/2011 2218			Injection Volume:	200 mL

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-1**

Lab Sample ID: 200-6751-1

Client Matrix: Air

Date Sampled: 08/26/2011 0915

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu013.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/31/2011 2218			Final Weight/Volume:	200 mL
Prep Date:	08/31/2011 2218			Injection Volume:	200 mL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ppb v/v)	Qualifier
	Tentatively Identified Compound		None	

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-2**

Lab Sample ID: 200-6751-2

Client Matrix: Air

Date Sampled: 08/26/2011 1145

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu014.d
Dilution:	3.39			Initial Weight/Volume:	59 mL
Analysis Date:	08/31/2011 2310			Final Weight/Volume:	200 mL
Prep Date:	08/31/2011 2310			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	1.7	U	1.7
Chloromethane	1.7	U	1.7
Vinyl chloride	0.68	U	0.68
Chloroethane	1.7	U	1.7
Trichlorofluoromethane	0.68	U	0.68
1,1-Dichloroethene	0.68	U	0.68
Acetone	61		17
Methylene Chloride	1.7	U	1.7
Methyl tert-butyl ether	0.68	U	0.68
trans-1,2-Dichloroethene	0.68	U	0.68
1,1-Dichloroethane	0.68	U	0.68
Methyl Ethyl Ketone	12		1.7
cis-1,2-Dichloroethene	0.68	U	0.68
Chloroform	0.68	U	0.68
1,1,1-Trichloroethane	0.68	U	0.68
Carbon tetrachloride	0.68	U	0.68
Benzene	9.2		0.68
1,2-Dichloroethane	0.68	U	0.68
Trichloroethene	0.68	U	0.68
1,2-Dichloropropane	0.68	U	0.68
Bromodichloromethane	0.68	U	0.68
cis-1,3-Dichloropropene	0.68	U	0.68
methyl isobutyl ketone	1.7	U	1.7
Toluene	1.7		0.68
trans-1,3-Dichloropropene	0.68	U	0.68
1,1,2-Trichloroethane	0.68	U	0.68
Tetrachloroethene	0.68	U	0.68
Dibromochloromethane	0.68	U	0.68
1,2-Dibromoethane	0.68	U	0.68
Chlorobenzene	0.68	U	0.68
Ethylbenzene	0.68	U	0.68
m,p-Xylene	1.7	U	1.7
Xylene, o-	0.68		0.68
Xylene (total)	2.2		0.68
Styrene	0.68	U	0.68
Bromoform	0.68	U	0.68
Cumene	0.68	U	0.68
1,1,2,2-Tetrachloroethane	0.68	U	0.68
1,3,5-Trimethylbenzene	0.68	U	0.68
1,2,4-Trimethylbenzene	1.1		0.68
sec-Butylbenzene	0.68	U	0.68
4-Isopropyltoluene	0.68	U	0.68
1,3-Dichlorobenzene	2.7		0.68
1,4-Dichlorobenzene	0.68	U	0.68
n-Butylbenzene	0.68	U	0.68
1,2-Dichlorobenzene	0.68	U	0.68

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-2**

Lab Sample ID: 200-6751-2

Client Matrix: Air

Date Sampled: 08/26/2011 1145

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu014.d
Dilution:	3.39			Initial Weight/Volume:	59 mL
Analysis Date:	08/31/2011 2310			Final Weight/Volume:	200 mL
Prep Date:	08/31/2011 2310			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	8.4	U	8.4
Chloromethane	3.5	U	3.5
Vinyl chloride	1.7	U	1.7
Chloroethane	4.5	U	4.5
Trichlorofluoromethane	3.8	U	3.8
1,1-Dichloroethene	2.7	U	2.7
Acetone	140		40
Methylene Chloride	5.9	U	5.9
Methyl tert-butyl ether	2.4	U	2.4
trans-1,2-Dichloroethene	2.7	U	2.7
1,1-Dichloroethane	2.7	U	2.7
Methyl Ethyl Ketone	34		5.0
cis-1,2-Dichloroethene	2.7	U	2.7
Chloroform	3.3	U	3.3
1,1,1-Trichloroethane	3.7	U	3.7
Carbon tetrachloride	4.3	U	4.3
Benzene	29		2.2
1,2-Dichloroethane	2.7	U	2.7
Trichloroethene	3.6	U	3.6
1,2-Dichloropropane	3.1	U	3.1
Bromodichloromethane	4.5	U	4.5
cis-1,3-Dichloropropene	3.1	U	3.1
methyl isobutyl ketone	6.9	U	6.9
Toluene	6.5		2.6
trans-1,3-Dichloropropene	3.1	U	3.1
1,1,2-Trichloroethane	3.7	U	3.7
Tetrachloroethene	4.6	U	4.6
Dibromochloromethane	5.8	U	5.8
1,2-Dibromoethane	5.2	U	5.2
Chlorobenzene	3.1	U	3.1
Ethylbenzene	2.9	U	2.9
m,p-Xylene	7.4	U	7.4
Xylene, o-	3.0		2.9
Xylene (total)	9.4		2.9
Styrene	2.9	U	2.9
Bromoform	7.0	U	7.0
Cumene	3.3	U	3.3
1,1,2,2-Tetrachloroethane	4.7	U	4.7
1,3,5-Trimethylbenzene	3.3	U	3.3
1,2,4-Trimethylbenzene	5.3		3.3
sec-Butylbenzene	3.7	U	3.7
4-Isopropyltoluene	3.7	U	3.7
1,3-Dichlorobenzene	16		4.1
1,4-Dichlorobenzene	4.1	U	4.1
n-Butylbenzene	3.7	U	3.7
1,2-Dichlorobenzene	4.1	U	4.1

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-2**

Lab Sample ID: 200-6751-2

Client Matrix: Air

Date Sampled: 08/26/2011 1145

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu014.d
Dilution:	3.39			Initial Weight/Volume:	59 mL
Analysis Date:	08/31/2011 2310			Final Weight/Volume:	200 mL
Prep Date:	08/31/2011 2310			Injection Volume:	200 mL

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-2**

Lab Sample ID: 200-6751-2

Client Matrix: Air

Date Sampled: 08/26/2011 1145

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu014.d
Dilution:	3.39			Initial Weight/Volume:	59 mL
Analysis Date:	08/31/2011 2310			Final Weight/Volume:	200 mL
Prep Date:	08/31/2011 2310			Injection Volume:	200 mL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ppb v/v)	Qualifier
	Tentatively Identified Compound		None	

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-3**

Lab Sample ID: 200-6751-3

Client Matrix: Air

Date Sampled: 08/26/2011 1051

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu015.d
Dilution:	3.57			Initial Weight/Volume:	56 mL
Analysis Date:	09/01/2011 0002			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0002			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	1.8	U	1.8
Chloromethane	1.8	U	1.8
Vinyl chloride	0.71	U	0.71
Chloroethane	1.8	U	1.8
Trichlorofluoromethane	0.71	U	0.71
1,1-Dichloroethene	0.71	U	0.71
Acetone	37		18
Methylene Chloride	1.8	U	1.8
Methyl tert-butyl ether	0.71	U	0.71
trans-1,2-Dichloroethene	0.71	U	0.71
1,1-Dichloroethane	0.71	U	0.71
Methyl Ethyl Ketone	4.0		1.8
cis-1,2-Dichloroethene	0.71	U	0.71
Chloroform	62		0.71
1,1,1-Trichloroethane	2.5		0.71
Carbon tetrachloride	11		0.71
Benzene	0.71	U	0.71
1,2-Dichloroethane	0.71	U	0.71
Trichloroethene	30		0.71
1,2-Dichloropropane	0.71	U	0.71
Bromodichloromethane	0.71	U	0.71
cis-1,3-Dichloropropene	0.71	U	0.71
methyl isobutyl ketone	1.8	U	1.8
Toluene	1.0		0.71
trans-1,3-Dichloropropene	0.71	U	0.71
1,1,2-Trichloroethane	0.71	U	0.71
Tetrachloroethene	0.71	U	0.71
Dibromochloromethane	0.71	U	0.71
1,2-Dibromoethane	0.71	U	0.71
Chlorobenzene	0.71	U	0.71
Ethylbenzene	0.71	U	0.71
m,p-Xylene	1.8	U	1.8
Xylene, o-	0.71	U	0.71
Xylene (total)	1.2		0.71
Styrene	0.71	U	0.71
Bromoform	0.71	U	0.71
Cumene	0.71	U	0.71
1,1,2,2-Tetrachloroethane	0.71	U	0.71
1,3,5-Trimethylbenzene	0.71	U	0.71
1,2,4-Trimethylbenzene	0.71	U	0.71
sec-Butylbenzene	0.71	U	0.71
4-Isopropyltoluene	0.71	U	0.71
1,3-Dichlorobenzene	3.6		0.71
1,4-Dichlorobenzene	0.71	U	0.71
n-Butylbenzene	0.71	U	0.71
1,2-Dichlorobenzene	0.71	U	0.71

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-3**

Lab Sample ID: 200-6751-3

Client Matrix: Air

Date Sampled: 08/26/2011 1051

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu015.d
Dilution:	3.57			Initial Weight/Volume:	56 mL
Analysis Date:	09/01/2011 0002			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0002			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	8.8	U	8.8
Chloromethane	3.7	U	3.7
Vinyl chloride	1.8	U	1.8
Chloroethane	4.7	U	4.7
Trichlorofluoromethane	4.0	U	4.0
1,1-Dichloroethene	2.8	U	2.8
Acetone	88		42
Methylene Chloride	6.2	U	6.2
Methyl tert-butyl ether	2.6	U	2.6
trans-1,2-Dichloroethene	2.8	U	2.8
1,1-Dichloroethane	2.9	U	2.9
Methyl Ethyl Ketone	12		5.3
cis-1,2-Dichloroethene	2.8	U	2.8
Chloroform	300		3.5
1,1,1-Trichloroethane	14		3.9
Carbon tetrachloride	67		4.5
Benzene	2.3	U	2.3
1,2-Dichloroethane	2.9	U	2.9
Trichloroethene	160		3.8
1,2-Dichloropropane	3.3	U	3.3
Bromodichloromethane	4.8	U	4.8
cis-1,3-Dichloropropene	3.2	U	3.2
methyl isobutyl ketone	7.3	U	7.3
Toluene	3.8		2.7
trans-1,3-Dichloropropene	3.2	U	3.2
1,1,2-Trichloroethane	3.9	U	3.9
Tetrachloroethene	4.8	U	4.8
Dibromochloromethane	6.1	U	6.1
1,2-Dibromoethane	5.5	U	5.5
Chlorobenzene	3.3	U	3.3
Ethylbenzene	3.1	U	3.1
m,p-Xylene	7.8	U	7.8
Xylene, o-	3.1	U	3.1
Xylene (total)	5.3		3.1
Styrene	3.0	U	3.0
Bromoform	7.4	U	7.4
Cumene	3.5	U	3.5
1,1,2,2-Tetrachloroethane	4.9	U	4.9
1,3,5-Trimethylbenzene	3.5	U	3.5
1,2,4-Trimethylbenzene	3.5	U	3.5
sec-Butylbenzene	3.9	U	3.9
4-Isopropyltoluene	3.9	U	3.9
1,3-Dichlorobenzene	22		4.3
1,4-Dichlorobenzene	4.3	U	4.3
n-Butylbenzene	3.9	U	3.9
1,2-Dichlorobenzene	4.3	U	4.3

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-3**

Lab Sample ID: 200-6751-3

Client Matrix: Air

Date Sampled: 08/26/2011 1051

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu015.d
Dilution:	3.57			Initial Weight/Volume:	56 mL
Analysis Date:	09/01/2011 0002			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0002			Injection Volume:	200 mL

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-3**

Lab Sample ID: 200-6751-3

Client Matrix: Air

Date Sampled: 08/26/2011 1051

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu015.d
Dilution:	3.57			Initial Weight/Volume:	56 mL
Analysis Date:	09/01/2011 0002			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0002			Injection Volume:	200 mL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ppb v/v)	Qualifier
	Tentatively Identified Compound		None	

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-4**

Lab Sample ID: 200-6751-4

Client Matrix: Air

Date Sampled: 08/25/2011 1642

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/01/2011 0054			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0054			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	0.60		0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.20	U	0.20
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.53		0.20
1,1-Dichloroethene	0.20	U	0.20
Acetone	22		5.0
Methylene Chloride	0.53		0.50
Methyl tert-butyl ether	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
1,1-Dichloroethane	0.20	U	0.20
Methyl Ethyl Ketone	5.9		0.50
cis-1,2-Dichloroethene	0.20	U	0.20
Chloroform	9.7		0.20
1,1,1-Trichloroethane	0.66		0.20
Carbon tetrachloride	0.43		0.20
Benzene	0.20	U	0.20
1,2-Dichloroethane	0.20	U	0.20
Trichloroethene	19		0.20
1,2-Dichloropropane	0.20	U	0.20
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
methyl isobutyl ketone	0.50	U	0.50
Toluene	1.5		0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20
Tetrachloroethene	1.7		0.20
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Chlorobenzene	0.20	U	0.20
Ethylbenzene	0.33		0.20
m,p-Xylene	1.3		0.50
Xylene, o-	0.70		0.20
Xylene (total)	2.0		0.20
Styrene	0.20	U	0.20
Bromoform	0.20	U	0.20
Cumene	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
1,3,5-Trimethylbenzene	0.39		0.20
1,2,4-Trimethylbenzene	1.3		0.20
sec-Butylbenzene	0.20	U	0.20
4-Isopropyltoluene	0.20	U	0.20
1,3-Dichlorobenzene	0.41		0.20
1,4-Dichlorobenzene	0.20	U	0.20
n-Butylbenzene	0.20	U	0.20
1,2-Dichlorobenzene	0.20	U	0.20

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-4**

Lab Sample ID: 200-6751-4

Client Matrix: Air

Date Sampled: 08/25/2011 1642

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/01/2011 0054			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0054			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	3.0		2.5
Chloromethane	1.0	U	1.0
Vinyl chloride	0.51	U	0.51
Chloroethane	1.3	U	1.3
Trichlorofluoromethane	3.0		1.1
1,1-Dichloroethene	0.79	U	0.79
Acetone	52		12
Methylene Chloride	1.8		1.7
Methyl tert-butyl ether	0.72	U	0.72
trans-1,2-Dichloroethene	0.79	U	0.79
1,1-Dichloroethane	0.81	U	0.81
Methyl Ethyl Ketone	17		1.5
cis-1,2-Dichloroethene	0.79	U	0.79
Chloroform	47		0.98
1,1,1-Trichloroethane	3.6		1.1
Carbon tetrachloride	2.7		1.3
Benzene	0.64	U	0.64
1,2-Dichloroethane	0.81	U	0.81
Trichloroethene	100		1.1
1,2-Dichloropropane	0.92	U	0.92
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
methyl isobutyl ketone	2.0	U	2.0
Toluene	5.7		0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1
Tetrachloroethene	12		1.4
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Chlorobenzene	0.92	U	0.92
Ethylbenzene	1.4		0.87
m,p-Xylene	5.6		2.2
Xylene, o-	3.1		0.87
Xylene (total)	8.7		0.87
Styrene	0.85	U	0.85
Bromoform	2.1	U	2.1
Cumene	0.98	U	0.98
1,1,2,2-Tetrachloroethane	1.4	U	1.4
1,3,5-Trimethylbenzene	1.9		0.98
1,2,4-Trimethylbenzene	6.3		0.98
sec-Butylbenzene	1.1	U	1.1
4-Isopropyltoluene	1.1	U	1.1
1,3-Dichlorobenzene	2.4		1.2
1,4-Dichlorobenzene	1.2	U	1.2
n-Butylbenzene	1.1	U	1.1
1,2-Dichlorobenzene	1.2	U	1.2

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-4**

Lab Sample ID: 200-6751-4

Client Matrix: Air

Date Sampled: 08/25/2011 1642

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/01/2011 0054			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0054			Injection Volume:	200 mL

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-4**

Lab Sample ID: 200-6751-4

Client Matrix: Air

Date Sampled: 08/25/2011 1642

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu016.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/01/2011 0054			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0054			Injection Volume:	200 mL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ppb v/v)	Qualifier
	Tentatively Identified Compound		None	

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-5**

Lab Sample ID: 200-6751-5

Client Matrix: Air

Date Sampled: 08/25/2011 1500

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu017.d
Dilution:	3.23			Initial Weight/Volume:	62 mL
Analysis Date:	09/01/2011 0147			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0147			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	1.6	U	1.6
Chloromethane	1.6	U	1.6
Vinyl chloride	0.65	U	0.65
Chloroethane	1.6	U	1.6
Trichlorofluoromethane	0.65	U	0.65
1,1-Dichloroethene	0.65	U	0.65
Acetone	16	U	16
Methylene Chloride	1.6	U	1.6
Methyl tert-butyl ether	0.65	U	0.65
trans-1,2-Dichloroethene	0.65	U	0.65
1,1-Dichloroethane	0.65	U	0.65
Methyl Ethyl Ketone	1.6	U	1.6
cis-1,2-Dichloroethene	0.65	U	0.65
Chloroform	2.3		0.65
1,1,1-Trichloroethane	0.65	U	0.65
Carbon tetrachloride	0.65	U	0.65
Benzene	0.65	U	0.65
1,2-Dichloroethane	0.65	U	0.65
Trichloroethene	68		0.65
1,2-Dichloropropane	0.65	U	0.65
Bromodichloromethane	0.65	U	0.65
cis-1,3-Dichloropropene	0.65	U	0.65
methyl isobutyl ketone	1.6	U	1.6
Toluene	7.7		0.65
trans-1,3-Dichloropropene	0.65	U	0.65
1,1,2-Trichloroethane	0.65	U	0.65
Tetrachloroethene	0.99		0.65
Dibromochloromethane	0.65	U	0.65
1,2-Dibromoethane	0.65	U	0.65
Chlorobenzene	0.65	U	0.65
Ethylbenzene	0.65	U	0.65
m,p-Xylene	1.6	U	1.6
Xylene, o-	0.65	U	0.65
Xylene (total)	1.4		0.65
Styrene	0.65	U	0.65
Bromoform	0.65	U	0.65
Cumene	0.65	U	0.65
1,1,2,2-Tetrachloroethane	0.65	U	0.65
1,3,5-Trimethylbenzene	0.65	U	0.65
1,2,4-Trimethylbenzene	1.1		0.65
sec-Butylbenzene	0.65	U	0.65
4-Isopropyltoluene	0.65	U	0.65
1,3-Dichlorobenzene	0.65	U	0.65
1,4-Dichlorobenzene	0.65	U	0.65
n-Butylbenzene	0.65	U	0.65
1,2-Dichlorobenzene	0.65	U	0.65

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-5**

Lab Sample ID: 200-6751-5

Client Matrix: Air

Date Sampled: 08/25/2011 1500

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu017.d
Dilution:	3.23			Initial Weight/Volume:	62 mL
Analysis Date:	09/01/2011 0147			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0147			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	8.0	U	8.0
Chloromethane	3.3	U	3.3
Vinyl chloride	1.7	U	1.7
Chloroethane	4.3	U	4.3
Trichlorofluoromethane	3.6	U	3.6
1,1-Dichloroethene	2.6	U	2.6
Acetone	38	U	38
Methylene Chloride	5.6	U	5.6
Methyl tert-butyl ether	2.3	U	2.3
trans-1,2-Dichloroethene	2.6	U	2.6
1,1-Dichloroethane	2.6	U	2.6
Methyl Ethyl Ketone	4.8	U	4.8
cis-1,2-Dichloroethene	2.6	U	2.6
Chloroform	11		3.2
1,1,1-Trichloroethane	3.5	U	3.5
Carbon tetrachloride	4.1	U	4.1
Benzene	2.1	U	2.1
1,2-Dichloroethane	2.6	U	2.6
Trichloroethene	360		3.5
1,2-Dichloropropane	3.0	U	3.0
Bromodichloromethane	4.3	U	4.3
cis-1,3-Dichloropropene	2.9	U	2.9
methyl isobutyl ketone	6.6	U	6.6
Toluene	29		2.4
trans-1,3-Dichloropropene	2.9	U	2.9
1,1,2-Trichloroethane	3.5	U	3.5
Tetrachloroethene	6.7		4.4
Dibromochloromethane	5.5	U	5.5
1,2-Dibromoethane	5.0	U	5.0
Chlorobenzene	3.0	U	3.0
Ethylbenzene	2.8	U	2.8
m,p-Xylene	7.0	U	7.0
Xylene, o-	2.8	U	2.8
Xylene (total)	5.9		2.8
Styrene	2.8	U	2.8
Bromoform	6.7	U	6.7
Cumene	3.2	U	3.2
1,1,2,2-Tetrachloroethane	4.4	U	4.4
1,3,5-Trimethylbenzene	3.2	U	3.2
1,2,4-Trimethylbenzene	5.2		3.2
sec-Butylbenzene	3.5	U	3.5
4-Isopropyltoluene	3.5	U	3.5
1,3-Dichlorobenzene	3.9	U	3.9
1,4-Dichlorobenzene	3.9	U	3.9
n-Butylbenzene	3.5	U	3.5
1,2-Dichlorobenzene	3.9	U	3.9

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-5**

Lab Sample ID: 200-6751-5

Client Matrix: Air

Date Sampled: 08/25/2011 1500

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu017.d
Dilution:	3.23			Initial Weight/Volume:	62 mL
Analysis Date:	09/01/2011 0147			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0147			Injection Volume:	200 mL

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-5**

Lab Sample ID: 200-6751-5

Client Matrix: Air

Date Sampled: 08/25/2011 1500

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu017.d
Dilution:	3.23			Initial Weight/Volume:	62 mL
Analysis Date:	09/01/2011 0147			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0147			Injection Volume:	200 mL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ppb v/v)	Qualifier
	Tentatively Identified Compound		None	

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-6**

Lab Sample ID: 200-6751-6

Client Matrix: Air

Date Sampled: 08/25/2011 1208

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu018.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	09/01/2011 0239			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0239			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	1.0	U	1.0
Chloromethane	1.0	U	1.0
Vinyl chloride	0.40	U	0.40
Chloroethane	1.0	U	1.0
Trichlorofluoromethane	0.40	U	0.40
1,1-Dichloroethene	0.40	U	0.40
Acetone	11		10
Methylene Chloride	1.0	U	1.0
Methyl tert-butyl ether	0.40	U	0.40
trans-1,2-Dichloroethene	0.40	U	0.40
1,1-Dichloroethane	0.40	U	0.40
Methyl Ethyl Ketone	1.0	U	1.0
cis-1,2-Dichloroethene	0.40	U	0.40
Chloroform	0.58		0.40
1,1,1-Trichloroethane	0.40	U	0.40
Carbon tetrachloride	0.40	U	0.40
Benzene	0.40	U	0.40
1,2-Dichloroethane	0.40	U	0.40
Trichloroethene	41		0.40
1,2-Dichloropropane	0.40	U	0.40
Bromodichloromethane	0.40	U	0.40
cis-1,3-Dichloropropene	0.40	U	0.40
methyl isobutyl ketone	1.0	U	1.0
Toluene	0.40	U	0.40
trans-1,3-Dichloropropene	0.40	U	0.40
1,1,2-Trichloroethane	0.40	U	0.40
Tetrachloroethene	0.40	U	0.40
Dibromochloromethane	0.40	U	0.40
1,2-Dibromoethane	0.40	U	0.40
Chlorobenzene	0.40	U	0.40
Ethylbenzene	0.40	U	0.40
m,p-Xylene	1.0	U	1.0
Xylene, o-	0.40	U	0.40
Xylene (total)	0.83		0.40
Styrene	0.40	U	0.40
Bromoform	0.40	U	0.40
Cumene	0.40	U	0.40
1,1,2,2-Tetrachloroethane	0.40	U	0.40
1,3,5-Trimethylbenzene	0.40	U	0.40
1,2,4-Trimethylbenzene	0.75		0.40
sec-Butylbenzene	0.40	U	0.40
4-Isopropyltoluene	0.40	U	0.40
1,3-Dichlorobenzene	0.40	U	0.40
1,4-Dichlorobenzene	0.40	U	0.40
n-Butylbenzene	0.40	U	0.40
1,2-Dichlorobenzene	0.40	U	0.40

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-6**

Lab Sample ID: 200-6751-6

Client Matrix: Air

Date Sampled: 08/25/2011 1208

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu018.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	09/01/2011 0239			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0239			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	4.9	U	4.9
Chloromethane	2.1	U	2.1
Vinyl chloride	1.0	U	1.0
Chloroethane	2.6	U	2.6
Trichlorofluoromethane	2.2	U	2.2
1,1-Dichloroethene	1.6	U	1.6
Acetone	26		24
Methylene Chloride	3.5	U	3.5
Methyl tert-butyl ether	1.4	U	1.4
trans-1,2-Dichloroethene	1.6	U	1.6
1,1-Dichloroethane	1.6	U	1.6
Methyl Ethyl Ketone	2.9	U	2.9
cis-1,2-Dichloroethene	1.6	U	1.6
Chloroform	2.8		2.0
1,1,1-Trichloroethane	2.2	U	2.2
Carbon tetrachloride	2.5	U	2.5
Benzene	1.3	U	1.3
1,2-Dichloroethane	1.6	U	1.6
Trichloroethene	220		2.1
1,2-Dichloropropane	1.8	U	1.8
Bromodichloromethane	2.7	U	2.7
cis-1,3-Dichloropropene	1.8	U	1.8
methyl isobutyl ketone	4.1	U	4.1
Toluene	1.5	U	1.5
trans-1,3-Dichloropropene	1.8	U	1.8
1,1,2-Trichloroethane	2.2	U	2.2
Tetrachloroethene	2.7	U	2.7
Dibromochloromethane	3.4	U	3.4
1,2-Dibromoethane	3.1	U	3.1
Chlorobenzene	1.8	U	1.8
Ethylbenzene	1.7	U	1.7
m,p-Xylene	4.3	U	4.3
Xylene, o-	1.7	U	1.7
Xylene (total)	3.6		1.7
Styrene	1.7	U	1.7
Bromoform	4.1	U	4.1
Cumene	2.0	U	2.0
1,1,2,2-Tetrachloroethane	2.7	U	2.7
1,3,5-Trimethylbenzene	2.0	U	2.0
1,2,4-Trimethylbenzene	3.7		2.0
sec-Butylbenzene	2.2	U	2.2
4-Isopropyltoluene	2.2	U	2.2
1,3-Dichlorobenzene	2.4	U	2.4
1,4-Dichlorobenzene	2.4	U	2.4
n-Butylbenzene	2.2	U	2.2
1,2-Dichlorobenzene	2.4	U	2.4

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-6**

Lab Sample ID: 200-6751-6

Client Matrix: Air

Date Sampled: 08/25/2011 1208

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu018.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	09/01/2011 0239			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0239			Injection Volume:	200 mL

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **SV-6**

Lab Sample ID: 200-6751-6

Client Matrix: Air

Date Sampled: 08/25/2011 1208

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu018.d
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	09/01/2011 0239			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0239			Injection Volume:	200 mL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ppb v/v)	Qualifier
	Tentatively Identified Compound		None	

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **DUP-1**

Lab Sample ID: 200-6751-7

Client Matrix: Air

Date Sampled: 08/26/2011 1145

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu019.d
Dilution:	2.86			Initial Weight/Volume:	70 mL
Analysis Date:	09/01/2011 0331			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0331			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	1.4	U	1.4
Chloromethane	1.4	U	1.4
Vinyl chloride	0.57	U	0.57
Chloroethane	1.4	U	1.4
Trichlorofluoromethane	0.57	U	0.57
1,1-Dichloroethene	0.57	U	0.57
Acetone	49		14
Methylene Chloride	1.4	U	1.4
Methyl tert-butyl ether	0.57	U	0.57
trans-1,2-Dichloroethene	0.57	U	0.57
1,1-Dichloroethane	0.57	U	0.57
Methyl Ethyl Ketone	11		1.4
cis-1,2-Dichloroethene	0.57	U	0.57
Chloroform	0.57	U	0.57
1,1,1-Trichloroethane	0.57	U	0.57
Carbon tetrachloride	0.57	U	0.57
Benzene	8.2		0.57
1,2-Dichloroethane	0.57	U	0.57
Trichloroethene	0.57	U	0.57
1,2-Dichloropropane	0.57	U	0.57
Bromodichloromethane	0.57	U	0.57
cis-1,3-Dichloropropene	0.57	U	0.57
methyl isobutyl ketone	1.4	U	1.4
Toluene	1.6		0.57
trans-1,3-Dichloropropene	0.57	U	0.57
1,1,2-Trichloroethane	0.57	U	0.57
Tetrachloroethene	0.57	U	0.57
Dibromochloromethane	0.57	U	0.57
1,2-Dibromoethane	0.57	U	0.57
Chlorobenzene	0.57	U	0.57
Ethylbenzene	0.57	U	0.57
m,p-Xylene	1.4		1.4
Xylene, o-	0.63		0.57
Xylene (total)	2.0		0.57
Styrene	0.57	U	0.57
Bromoform	0.57	U	0.57
Cumene	0.57	U	0.57
1,1,2,2-Tetrachloroethane	0.57	U	0.57
1,3,5-Trimethylbenzene	0.57	U	0.57
1,2,4-Trimethylbenzene	0.96		0.57
sec-Butylbenzene	0.57	U	0.57
4-Isopropyltoluene	0.57	U	0.57
1,3-Dichlorobenzene	1.6		0.57
1,4-Dichlorobenzene	0.57	U	0.57
n-Butylbenzene	0.57	U	0.57
1,2-Dichlorobenzene	0.57	U	0.57

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **DUP-1**

Lab Sample ID: 200-6751-7

Client Matrix: Air

Date Sampled: 08/26/2011 1145

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu019.d
Dilution:	2.86			Initial Weight/Volume:	70 mL
Analysis Date:	09/01/2011 0331			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0331			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	7.1	U	7.1
Chloromethane	3.0	U	3.0
Vinyl chloride	1.5	U	1.5
Chloroethane	3.8	U	3.8
Trichlorofluoromethane	3.2	U	3.2
1,1-Dichloroethene	2.3	U	2.3
Acetone	120		34
Methylene Chloride	5.0	U	5.0
Methyl tert-butyl ether	2.1	U	2.1
trans-1,2-Dichloroethene	2.3	U	2.3
1,1-Dichloroethane	2.3	U	2.3
Methyl Ethyl Ketone	31		4.2
cis-1,2-Dichloroethene	2.3	U	2.3
Chloroform	2.8	U	2.8
1,1,1-Trichloroethane	3.1	U	3.1
Carbon tetrachloride	3.6	U	3.6
Benzene	26		1.8
1,2-Dichloroethane	2.3	U	2.3
Trichloroethene	3.1	U	3.1
1,2-Dichloropropane	2.6	U	2.6
Bromodichloromethane	3.8	U	3.8
cis-1,3-Dichloropropene	2.6	U	2.6
methyl isobutyl ketone	5.9	U	5.9
Toluene	5.9		2.2
trans-1,3-Dichloropropene	2.6	U	2.6
1,1,2-Trichloroethane	3.1	U	3.1
Tetrachloroethene	3.9	U	3.9
Dibromochloromethane	4.9	U	4.9
1,2-Dibromoethane	4.4	U	4.4
Chlorobenzene	2.6	U	2.6
Ethylbenzene	2.5	U	2.5
m,p-Xylene	6.0		6.2
Xylene, o-	2.8		2.5
Xylene (total)	8.7		2.5
Styrene	2.4	U	2.4
Bromoform	5.9	U	5.9
Cumene	2.8	U	2.8
1,1,2,2-Tetrachloroethane	3.9	U	3.9
1,3,5-Trimethylbenzene	2.8	U	2.8
1,2,4-Trimethylbenzene	4.7		2.8
sec-Butylbenzene	3.1	U	3.1
4-Isopropyltoluene	3.1	U	3.1
1,3-Dichlorobenzene	9.8		3.4
1,4-Dichlorobenzene	3.4	U	3.4
n-Butylbenzene	3.1	U	3.1
1,2-Dichlorobenzene	3.4	U	3.4

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **DUP-1**

Lab Sample ID: 200-6751-7

Client Matrix: Air

Date Sampled: 08/26/2011 1145

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu019.d
Dilution:	2.86			Initial Weight/Volume:	70 mL
Analysis Date:	09/01/2011 0331			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0331			Injection Volume:	200 mL

Client: Tighe & Bond

Job Number: 200-6751-1

Client Sample ID: **DUP-1**

Lab Sample ID: 200-6751-7

Client Matrix: Air

Date Sampled: 08/26/2011 1145

Date Received: 08/30/2011 1045

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-24579	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	bkeu019.d
Dilution:	2.86			Initial Weight/Volume:	70 mL
Analysis Date:	09/01/2011 0331			Final Weight/Volume:	200 mL
Prep Date:	09/01/2011 0331			Injection Volume:	200 mL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ppb v/v)	Qualifier
	Tentatively Identified Compound		None	

DATA REPORTING QUALIFIERS

Client: Tighe & Bond

Job Number: 200-6751-1

Lab Section	Qualifier	Description
GC VOA		
	U	Indicates the analyte was analyzed for but not detected.
Air - GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.

QUALITY CONTROL RESULTS

Client: Tighe & Bond

Job Number: 200-6751-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:200-24607					
LCS 200-24607/2	Lab Control Sample	T	Air	D1946	
MB 200-24607/3	Method Blank	T	Air	D1946	
200-6751-1	SV-1	T	Air	D1946	
200-6751-2	SV-2	T	Air	D1946	
200-6751-3	SV-3	T	Air	D1946	
200-6751-4	SV-4	T	Air	D1946	
200-6751-5	SV-5	T	Air	D1946	
200-6751-6	SV-6	T	Air	D1946	
200-6751-7	DUP-1	T	Air	D1946	

Report Basis

T = Total

Air - GC/MS VOA					
Analysis Batch:200-24579					
LCS 200-24579/3	Lab Control Sample	T	Air	TO-15	
MB 200-24579/4	Method Blank	T	Air	TO-15	
200-6751-1	SV-1	T	Air	TO-15	
200-6751-2	SV-2	T	Air	TO-15	
200-6751-3	SV-3	T	Air	TO-15	
200-6751-4	SV-4	T	Air	TO-15	
200-6751-5	SV-5	T	Air	TO-15	
200-6751-6	SV-6	T	Air	TO-15	
200-6751-7	DUP-1	T	Air	TO-15	

Report Basis

T = Total

Client: Tighe & Bond

Job Number: 200-6751-1

Method Blank - Batch: 200-24607

Method: D1946
Preparation: Summa Canister

Lab Sample ID:	MB 200-24607/3	Analysis Batch:	200-24607	Instrument ID:	2866.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	01se111349-r021.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	300 uL
Analysis Date:	09/01/2011 1424	Units:	% v/v	Final Weight/Volume:	300 uL
Prep Date:	09/01/2011 1424			Injection Volume:	300 uL
Leach Date:	N/A				

Analyte	Result	Qual	RL
Helium	0.17	U	0.17

Lab Control Sample - Batch: 200-24607

Method: D1946
Preparation: Summa Canister

Lab Sample ID:	LCS 200-24607/2	Analysis Batch:	200-24607	Instrument ID:	2866.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	01se111349-r011.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	300 uL
Analysis Date:	09/01/2011 1350	Units:	% v/v	Final Weight/Volume:	300 uL
Prep Date:	09/01/2011 1350			Injection Volume:	300 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Helium	5.00	4.89	98	70 - 130	

Client: Tighe & Bond

Job Number: 200-6751-1

Method Blank - Batch: 200-24579

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-24579/4	Analysis Batch:	200-24579	Instrument ID:	B.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	bkeu004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/31/2011 1429	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/31/2011 1429			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.20	U	0.20
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.20	U	0.20
1,1-Dichloroethene	0.20	U	0.20
Acetone	5.0	U	5.0
Methylene Chloride	0.50	U	0.50
Methyl tert-butyl ether	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
1,1-Dichloroethane	0.20	U	0.20
Methyl Ethyl Ketone	0.50	U	0.50
cis-1,2-Dichloroethene	0.20	U	0.20
Chloroform	0.20	U	0.20
1,1,1-Trichloroethane	0.20	U	0.20
Carbon tetrachloride	0.20	U	0.20
Benzene	0.20	U	0.20
1,2-Dichloroethane	0.20	U	0.20
Trichloroethene	0.20	U	0.20
1,2-Dichloropropane	0.20	U	0.20
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
methyl isobutyl ketone	0.50	U	0.50
Toluene	0.20	U	0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20
Tetrachloroethene	0.20	U	0.20
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Chlorobenzene	0.20	U	0.20
Ethylbenzene	0.20	U	0.20
m,p-Xylene	0.50	U	0.50
Xylene, o-	0.20	U	0.20
Xylene (total)	0.20	U	0.20
Styrene	0.20	U	0.20
Bromoform	0.20	U	0.20
Cumene	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
1,3,5-Trimethylbenzene	0.20	U	0.20
1,2,4-Trimethylbenzene	0.20	U	0.20
sec-Butylbenzene	0.20	U	0.20
4-Isopropyltoluene	0.20	U	0.20
1,3-Dichlorobenzene	0.20	U	0.20
1,4-Dichlorobenzene	0.20	U	0.20
n-Butylbenzene	0.20	U	0.20

Client: Tighe & Bond

Job Number: 200-6751-1

Method Blank - Batch: 200-24579

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-24579/4	Analysis Batch:	200-24579	Instrument ID:	B.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	bkeu004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/31/2011 1429	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/31/2011 1429			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	RL
1,2-Dichlorobenzene	0.20	U	0.20

Client: Tighe & Bond

Job Number: 200-6751-1

Method Blank - Batch: 200-24579

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-24579/4	Analysis Batch:	200-24579	Instrument ID:	B.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	bkeu004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/31/2011 1429	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	08/31/2011 1429			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	RL
Dichlorodifluoromethane	2.5	U	2.5
Chloromethane	1.0	U	1.0
Vinyl chloride	0.51	U	0.51
Chloroethane	1.3	U	1.3
Trichlorofluoromethane	1.1	U	1.1
1,1-Dichloroethene	0.79	U	0.79
Acetone	12	U	12
Methylene Chloride	1.7	U	1.7
Methyl tert-butyl ether	0.72	U	0.72
trans-1,2-Dichloroethene	0.79	U	0.79
1,1-Dichloroethane	0.81	U	0.81
Methyl Ethyl Ketone	1.5	U	1.5
cis-1,2-Dichloroethene	0.79	U	0.79
Chloroform	0.98	U	0.98
1,1,1-Trichloroethane	1.1	U	1.1
Carbon tetrachloride	1.3	U	1.3
Benzene	0.64	U	0.64
1,2-Dichloroethane	0.81	U	0.81
Trichloroethene	1.1	U	1.1
1,2-Dichloropropane	0.92	U	0.92
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
methyl isobutyl ketone	2.0	U	2.0
Toluene	0.75	U	0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1
Tetrachloroethene	1.4	U	1.4
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Chlorobenzene	0.92	U	0.92
Ethylbenzene	0.87	U	0.87
m,p-Xylene	2.2	U	2.2
Xylene, o-	0.87	U	0.87
Xylene (total)	0.87	U	0.87
Styrene	0.85	U	0.85
Bromoform	2.1	U	2.1
Cumene	0.98	U	0.98
1,1,2,2-Tetrachloroethane	1.4	U	1.4
1,3,5-Trimethylbenzene	0.98	U	0.98
1,2,4-Trimethylbenzene	0.98	U	0.98
sec-Butylbenzene	1.1	U	1.1
4-Isopropyltoluene	1.1	U	1.1
1,3-Dichlorobenzene	1.2	U	1.2
1,4-Dichlorobenzene	1.2	U	1.2
n-Butylbenzene	1.1	U	1.1

Client: Tighe & Bond

Job Number: 200-6751-1

Method Blank - Batch: 200-24579

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-24579/4	Analysis Batch:	200-24579	Instrument ID:	B.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	bkeu004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/31/2011 1429	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	08/31/2011 1429			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	RL
1,2-Dichlorobenzene	1.2	U	1.2

Method Blank TICs- Batch: 200-24579

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Client: Tighe & Bond

Job Number: 200-6751-1

Lab Control Sample - Batch: 200-24579

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-24579/3	Analysis Batch:	200-24579	Instrument ID:	B.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	bkeu003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/31/2011 1340	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/31/2011 1340			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	11.3	113	70 - 130	
Chloromethane	10.0	10.4	104	70 - 130	
Vinyl chloride	10.0	10.1	101	70 - 130	
Chloroethane	10.0	9.37	94	70 - 130	
Trichlorofluoromethane	10.0	10.6	106	70 - 130	
1,1-Dichloroethene	10.0	10.8	108	70 - 130	
Acetone	10.0	10.4	104	70 - 130	
Methylene Chloride	10.0	9.43	94	70 - 130	
Methyl tert-butyl ether	10.0	10.2	102	70 - 130	
trans-1,2-Dichloroethene	10.0	9.26	93	70 - 130	
1,1-Dichloroethane	10.0	9.00	90	70 - 130	
Methyl Ethyl Ketone	10.0	9.77	98	70 - 130	
cis-1,2-Dichloroethene	10.0	10.1	101	70 - 130	
Chloroform	10.0	9.88	99	70 - 130	
1,1,1-Trichloroethane	10.0	11.2	112	70 - 130	
Carbon tetrachloride	10.0	11.5	115	70 - 130	
Benzene	10.0	9.52	95	70 - 130	
1,2-Dichloroethane	10.0	10.6	106	70 - 130	
Trichloroethene	10.0	10.6	106	70 - 130	
1,2-Dichloropropane	10.0	8.98	90	70 - 130	
Bromodichloromethane	10.0	11.0	110	70 - 130	
cis-1,3-Dichloropropene	10.0	10.2	102	70 - 130	
methyl isobutyl ketone	10.0	10.3	103	70 - 130	
Toluene	10.0	10.1	101	70 - 130	
trans-1,3-Dichloropropene	10.0	10.5	105	70 - 130	
1,1,2-Trichloroethane	10.0	9.28	93	70 - 130	
Tetrachloroethene	10.0	11.4	114	70 - 130	
Dibromochloromethane	10.0	12.0	120	70 - 130	
1,2-Dibromoethane	10.0	10.5	105	70 - 130	
Chlorobenzene	10.0	9.67	97	70 - 130	
Ethylbenzene	10.0	10.1	101	70 - 130	
m,p-Xylene	20.0	21.1	106	70 - 130	
Xylene, o-	10.0	10.9	109	70 - 130	
Styrene	10.0	11.0	110	70 - 130	
Bromoform	10.0	12.5	125	70 - 130	
Cumene	10.0	11.3	113	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	8.96	90	70 - 130	
1,3,5-Trimethylbenzene	10.0	10.6	107	70 - 130	
1,2,4-Trimethylbenzene	10.0	10.6	106	70 - 130	
sec-Butylbenzene	10.0	11.1	111	70 - 130	
4-Isopropyltoluene	10.0	11.7	117	70 - 130	

Client: Tighe & Bond

Job Number: 200-6751-1

Lab Control Sample - Batch: 200-24579

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-24579/3	Analysis Batch:	200-24579	Instrument ID:	B.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	bkeu003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/31/2011 1340	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/31/2011 1340			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,3-Dichlorobenzene	10.0	10.8	108	70 - 130	
1,4-Dichlorobenzene	10.0	11.0	110	70 - 130	
n-Butylbenzene	10.0	10.7	107	70 - 130	
1,2-Dichlorobenzene	10.0	10.6	106	70 - 130	

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Jim Olsen	Samples Collected By: MMS	1 of 2 COCs
Company: Tighe + Bond	Phone:		
Address: 213 Court St	Email: jtolsen@tighebond.com		
City/State/Zip Middletown / CT / 06457			
Phone: (860) 704-~~777~~ 4760	Site Contact:		
FAX: (860) 704-4775	TA Contact:		
Project Name: Meriden Brownfields	**Analysis Turnaround Time**		
Site: 116 Cook Ave	Standard (Specify) ✓		
PO # 22-0817	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV-1	8·26·11	0855	0915	29	4	4628	3034	X					X						
SV-2	8·26·11	1118	1145	29	5	4028	4453	X					X						
SV-3	8·26·11	1021	1051	29	5	4701	5112	X					X						
SV-4	8·25·11	1610	1642	27	5	4611	4016	X					X						
SV-5	8·25·11	1432	1500	28	5	4682	4221	X					X						
SV-6	8·25·11	1142	1208	28	5	4707	4071	X					X						

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
Please ~~sar~~ analyze He in all samples as well as TO-15. Connecticut RCP and RSR
SV-5 and SV-6 interior samples
SV-4 - high 70s F, light rain, SV-1 and SV-2 - mid 80s during sampling

Samples Shipped by:	Date/Time: 8·26·11 1430	Samples Received by: TABUR 10/45 08/26/11
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Jim Olsen	**Samples Collected By:** MS	2 of 2 COCs
Company: Tighe + Bond	Phone:		
Address: 213 Court St. Suite 900	Email:		
City/State/Zip Middletown / CT 06457			
Phone: 860 704 - ~~4775~~ 4760	Site Contact:		
FAX: 860-704-4775	TA Contact:		
Project Name: Meriden Brownfields	**Analysis Turnaround Time**		
Site: 116 Cook	Standard (Specify)_____		
PO # 22.0817	Rush (Specify)_____		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	*Sample Type*	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
DUP-1	8.26.11	1118	1145	28	5	4701	4910	X					X						

	Temperature (Fahrenheit)		
	Interior	Ambient	
Start			
Stop			

	Pressure (inches of Hg)		
	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
Analyze He and TO-15, Connecticut RCP, RSRs. Temp low 80s during sampling.

Samples Shipped by:	Date/Time: 8-26-11 1430	Samples Received by: TABUR 1045 08/29/11
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

Login Sample Receipt Checklist

Client: Tighe & Bond

Job Number: 200-6751-1

Login Number: 6751

List Source: TestAmerica Burlington

List Number: 2

Creator: Matot, Wade M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Ambient
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

FROM:
VALENTINA PREMTI
(860) 704-4760
TIGHE & BOND, INC.
213 COURT ST SUITE 900
MIDDLETOWN CT 06457-3346

30 LBS **1 OF 1**

VT 054 0-02

SHIP TO:

MAIN OFFICE
TESTAMERICA
30 COMMUNITY DRIVE, SUITE 11
SOUTH BURLINGTON VT 05403

UPS 2ND DAY AIR

TRACKING #: 1Z R06 A54 02 5005 6209

2

BILLING: P/P

1 of 2
Boxes

WS 14.0.21 HP Color Lase 18.0A 07/2011

FROM: 30 LBS 1 OF 1
VALENTINA PREMTI
(860) 704-4760
TIGHE & BOND, INC.
213 COURT ST SUITE 900
MIDDLETOWN CT 06457-3346

VT 054 0-02

UPS 2ND DAY AIR **2**
TRACKING #: 1Z R06 A54 02 5029 9813

SHIP TO:
MAIN OFFICE
(802) 660-1990
TESTAMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

BILLING: P/P

2 of 2
Boxes

WS 14.0.21 HP Color Lase 18.0A 07/2011

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Westfield
Westfield Executive Park
53 Southampton Road
Westfield, MA 01085
Tel: (413)572-4000

TestAmerica Job ID: 360-35958-1
Client Project/Site: Meriden Brownfields 22-0817

For:
Tighe & Bond
213 Court Street
Middletown, Connecticut 06457

Attn: Jim Olsen

Authorized for release by:
09/01/2011 11:17:41 AM
Joe Chimi
Report Production Representative
joe.chimi@testamericainc.com

Designee for

Becky Mason
Project Manager II
becky.mason@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Detection Summary 6
Method Summary 7
Sample Summary 8
Client Sample Results 9
Definitions 16
QC Association 17
Surrogate Summary 18
QC Sample Results 19
Chronicle 27
Certification Summary 28
Receipt Checklists 30
Chain of Custody 31

Job ID: 360-35958-1

Laboratory: TestAmerica Westfield

Narrative

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 08/25/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.7 C.

Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is <6°C or within the method specified range. For samples with a specified temperature of <6°C, temperatures ranging from just above the freezing temperature of water to 6°C shall be deemed acceptable. Samples that are hand delivered, immediately following collection, may not meet these criteria; however, they will be considered acceptable according to NELAC and State standards, if there is evidence that the chilling process has begun, such as stored and transported to the laboratory on ice.

Regarding questions 5a and 5b on the CT RCP certification form, the laboratory has evaluated reporting limits against the most stringent class criteria in the absence of a specified class on the chain-of-custody.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples AOC-11-SB/MW-01 (360-35958-2), DUP-1 (360-35958-3) and TB-1 (360-35958-4) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B (RCP). The samples were analyzed on 08/29/2011.

Dichlorodifluoromethane failed the recovery criteria low for LCS 360-79141/3. Carbon disulfide failed the recovery criteria high. Refer to the QC report for details.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - LOW LEVEL

Samples AOC-11-SB/MW-01 (360-35958-2) and DUP-1 (360-35958-3) were analyzed for semivolatile organic compounds (GC-MS) - Low Level in accordance with SW846 8270C LL. The samples were prepared on 08/30/2011 and analyzed on 08/31/2011.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

At the request of the client, an abbreviated RCP compound list (PAH's only) was reported for this job.

No difficulties were encountered during the SVOC Low Level analyses.

All quality control parameters were within the acceptance limits.

METALS (ICPMS)

Job ID: 360-35958-1 (Continued)

Laboratory: TestAmerica Westfield (Continued)

Samples MW-200 (360-35958-1), AOC-11-SB/MW-01 (360-35958-2) and DUP-1 (360-35958-3) were analyzed for metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 08/29/2011 and analyzed on 08/30/2011.

The LCS Duplicate (LCSD) on this method is only reported for general QA/QC purposes. The LCSD is not part of the CT-RCP program and any outliers associated with this standard have not been evaluated against question (4) on the RCP Laboratory Analysis QA/QC Certification form.

At the request of the client, an abbreviated RCP analyte list was reported for this job.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**116 Cook - Meriden Brownfields**	***Project Number:***	**360-35958-1**
Laboratory Sample ID (s):	**360-35958-(1-4)**	***Sampling Date (s):***	**8/23-24/11**
Method:	**SW846 8260B, SW846 8270, SW846 6020**		

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	Yes √		No
1A	Were the method specified preservation and holding time requirements met?	Yes √		No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	Yes	N/A √	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes √		No
3	Were samples received at an appropriate temperature (<6°C)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes √	N/A	No
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes		No √
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes √		No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence. This form may not be altered and all questions must be answered.

This Certification form is to be used for RCP methods only

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 9/1/11 11:11

The certification form has been electronically signed and approved.

Updated Nov 2007

Detection Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35958-1

Client Sample ID: MW-200 — Lab Sample ID: 360-35958-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	40		1.0		ug/L	1		6020	Total/NA
Copper	7.4		1.0		ug/L	1		6020	Total/NA
Antimony	92		1.0		ug/L	1		6020	Total/NA

Client Sample ID: AOC-11-SB/MW-01 — Lab Sample ID: 360-35958-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibenz(a,h)anthracene	0.54		0.49		ug/L	1		8270	Total/NA
Copper	16		1.0		ug/L	1		6020	Total/NA

Client Sample ID: DUP-1 — Lab Sample ID: 360-35958-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.0		1.0		ug/L	1		6020	Total/NA
Copper	15		1.0		ug/L	1		6020	Total/NA

Client Sample ID: TB-1 — Lab Sample ID: 360-35958-4

No Detections

Method Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35958-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL WFD
8270	Semivolatile Compounds (GC/MS) Low level	CTRCP	TAL WFD
6020	Metals (ICP/MS)	SW846	TAL WFD

Protocol References:

CTRCP = Connecticut Reasonable Confidence Protocols

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL WFD = TestAmerica Westfield, Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085, TEL (413)572-4000

Sample Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35958-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
360-35958-1	MW-200	Water	08/23/11 11:03	08/25/11 10:45
360-35958-2	AOC-11-SB/MW-01	Water	08/24/11 10:04	08/25/11 10:45
360-35958-3	DUP-1	Water	08/24/11 12:00	08/25/11 10:45
360-35958-4	TB-1	Water	08/24/11 12:00	08/25/11 10:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: AOC-11-SB/MW-01
Date Collected: 08/24/11 10:04
Date Received: 08/25/11 10:45

Lab Sample ID: 360-35958-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			08/29/11 16:55	1
1,1,1-Trichloroethane	ND		1.0		ug/L			08/29/11 16:55	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/11 16:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			08/29/11 16:55	1
1,1,2-Trichloroethane	ND		1.0		ug/L			08/29/11 16:55	1
1,1-Dichloroethane	ND		1.0		ug/L			08/29/11 16:55	1
1,1-Dichloroethene	ND		1.0		ug/L			08/29/11 16:55	1
1,1-Dichloropropene	ND		1.0		ug/L			08/29/11 16:55	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/11 16:55	1
1,2,3-Trichloropropane	ND		1.0		ug/L			08/29/11 16:55	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/11 16:55	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			08/29/11 16:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			08/29/11 16:55	1
1,2-Dichlorobenzene	ND		1.0		ug/L			08/29/11 16:55	1
1,2-Dichloroethane	ND		1.0		ug/L			08/29/11 16:55	1
1,2-Dichloropropane	ND		1.0		ug/L			08/29/11 16:55	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			08/29/11 16:55	1
1,3-Dichlorobenzene	ND		1.0		ug/L			08/29/11 16:55	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/11 16:55	1
1,4-Dichlorobenzene	ND		1.0		ug/L			08/29/11 16:55	1
2,2-Dichloropropane	ND		1.0		ug/L			08/29/11 16:55	1
2-Butanone (MEK)	ND		10		ug/L			08/29/11 16:55	1
2-Chlorotoluene	ND		1.0		ug/L			08/29/11 16:55	1
2-Hexanone	ND		10		ug/L			08/29/11 16:55	1
4-Chlorotoluene	ND		1.0		ug/L			08/29/11 16:55	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/11 16:55	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			08/29/11 16:55	1
Acetone	ND		50		ug/L			08/29/11 16:55	1
Acrylonitrile	ND		0.50		ug/L			08/29/11 16:55	1
Benzene	ND		1.0		ug/L			08/29/11 16:55	1
Bromobenzene	ND		1.0		ug/L			08/29/11 16:55	1
Bromoform	ND		1.0		ug/L			08/29/11 16:55	1
Bromomethane	ND		2.0		ug/L			08/29/11 16:55	1
Carbon disulfide	ND	*	10		ug/L			08/29/11 16:55	1
Carbon tetrachloride	ND		1.0		ug/L			08/29/11 16:55	1
Chlorobenzene	ND		1.0		ug/L			08/29/11 16:55	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/11 16:55	1
Chloroethane	ND		2.0		ug/L			08/29/11 16:55	1
Chloroform	ND		1.0		ug/L			08/29/11 16:55	1
Chloromethane	ND		2.0		ug/L			08/29/11 16:55	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			08/29/11 16:55	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			08/29/11 16:55	1
Dibromomethane	ND		1.0		ug/L			08/29/11 16:55	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/11 16:55	1
Dichlorodifluoromethane	ND	*	1.0		ug/L			08/29/11 16:55	1
Ethylbenzene	ND		1.0		ug/L			08/29/11 16:55	1
Ethylene Dibromide	ND		1.0		ug/L			08/29/11 16:55	1
Hexachlorobutadiene	ND		0.40		ug/L			08/29/11 16:55	1
Isopropylbenzene	ND		1.0		ug/L			08/29/11 16:55	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: AOC-11-SB/MW-01
Date Collected: 08/24/11 10:04
Date Received: 08/25/11 10:45

Lab Sample ID: 360-35958-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		2.0		ug/L			08/29/11 16:55	1
Methyl tert-butyl ether	ND		1.0		ug/L			08/29/11 16:55	1
Methylene Chloride	ND		2.0		ug/L			08/29/11 16:55	1
n-Butylbenzene	ND		1.0		ug/L			08/29/11 16:55	1
N-Propylbenzene	ND		1.0		ug/L			08/29/11 16:55	1
Naphthalene	ND		5.0		ug/L			08/29/11 16:55	1
o-Xylene	ND		1.0		ug/L			08/29/11 16:55	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/11 16:55	1
Styrene	ND		1.0		ug/L			08/29/11 16:55	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/11 16:55	1
Tetrachloroethene	ND		1.0		ug/L			08/29/11 16:55	1
Tetrahydrofuran	ND		10		ug/L			08/29/11 16:55	1
Toluene	ND		1.0		ug/L			08/29/11 16:55	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			08/29/11 16:55	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			08/29/11 16:55	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			08/29/11 16:55	1
Trichloroethene	ND		1.0		ug/L			08/29/11 16:55	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/11 16:55	1
Vinyl chloride	ND		0.50		ug/L			08/29/11 16:55	1
Xylenes, Total	ND		1.0		ug/L			08/29/11 16:55	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*08/29/11 16:55*	*1*
Dibromofluoromethane	*106*		*70 - 130*		*08/29/11 16:55*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*08/29/11 16:55*	*1*

Client Sample ID: DUP-1
Date Collected: 08/24/11 12:00
Date Received: 08/25/11 10:45

Lab Sample ID: 360-35958-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			08/29/11 17:17	1
1,1,1-Trichloroethane	ND		1.0		ug/L			08/29/11 17:17	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/11 17:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			08/29/11 17:17	1
1,1,2-Trichloroethane	ND		1.0		ug/L			08/29/11 17:17	1
1,1-Dichloroethane	ND		1.0		ug/L			08/29/11 17:17	1
1,1-Dichloroethene	ND		1.0		ug/L			08/29/11 17:17	1
1,1-Dichloropropene	ND		1.0		ug/L			08/29/11 17:17	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/11 17:17	1
1,2,3-Trichloropropane	ND		1.0		ug/L			08/29/11 17:17	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/11 17:17	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			08/29/11 17:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			08/29/11 17:17	1
1,2-Dichlorobenzene	ND		1.0		ug/L			08/29/11 17:17	1
1,2-Dichloroethane	ND		1.0		ug/L			08/29/11 17:17	1
1,2-Dichloropropane	ND		1.0		ug/L			08/29/11 17:17	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			08/29/11 17:17	1
1,3-Dichlorobenzene	ND		1.0		ug/L			08/29/11 17:17	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/11 17:17	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: DUP-1
Date Collected: 08/24/11 12:00
Date Received: 08/25/11 10:45

Lab Sample ID: 360-35958-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0		ug/L			08/29/11 17:17	1
2,2-Dichloropropane	ND		1.0		ug/L			08/29/11 17:17	1
2-Butanone (MEK)	ND		10		ug/L			08/29/11 17:17	1
2-Chlorotoluene	ND		1.0		ug/L			08/29/11 17:17	1
2-Hexanone	ND		10		ug/L			08/29/11 17:17	1
4-Chlorotoluene	ND		1.0		ug/L			08/29/11 17:17	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/11 17:17	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			08/29/11 17:17	1
Acetone	ND		50		ug/L			08/29/11 17:17	1
Acrylonitrile	ND		0.50		ug/L			08/29/11 17:17	1
Benzene	ND		1.0		ug/L			08/29/11 17:17	1
Bromobenzene	ND		1.0		ug/L			08/29/11 17:17	1
Bromoform	ND		1.0		ug/L			08/29/11 17:17	1
Bromomethane	ND		2.0		ug/L			08/29/11 17:17	1
Carbon disulfide	ND	*	10		ug/L			08/29/11 17:17	1
Carbon tetrachloride	ND		1.0		ug/L			08/29/11 17:17	1
Chlorobenzene	ND		1.0		ug/L			08/29/11 17:17	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/11 17:17	1
Chloroethane	ND		2.0		ug/L			08/29/11 17:17	1
Chloroform	ND		1.0		ug/L			08/29/11 17:17	1
Chloromethane	ND		2.0		ug/L			08/29/11 17:17	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			08/29/11 17:17	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			08/29/11 17:17	1
Dibromomethane	ND		1.0		ug/L			08/29/11 17:17	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/11 17:17	1
Dichlorodifluoromethane	ND	*	1.0		ug/L			08/29/11 17:17	1
Ethylbenzene	ND		1.0		ug/L			08/29/11 17:17	1
Ethylene Dibromide	ND		1.0		ug/L			08/29/11 17:17	1
Hexachlorobutadiene	ND		0.40		ug/L			08/29/11 17:17	1
Isopropylbenzene	ND		1.0		ug/L			08/29/11 17:17	1
m-Xylene & p-Xylene	ND		2.0		ug/L			08/29/11 17:17	1
Methyl tert-butyl ether	ND		1.0		ug/L			08/29/11 17:17	1
Methylene Chloride	ND		2.0		ug/L			08/29/11 17:17	1
n-Butylbenzene	ND		1.0		ug/L			08/29/11 17:17	1
N-Propylbenzene	ND		1.0		ug/L			08/29/11 17:17	1
Naphthalene	ND		5.0		ug/L			08/29/11 17:17	1
o-Xylene	ND		1.0		ug/L			08/29/11 17:17	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/11 17:17	1
Styrene	ND		1.0		ug/L			08/29/11 17:17	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/11 17:17	1
Tetrachloroethene	ND		1.0		ug/L			08/29/11 17:17	1
Tetrahydrofuran	ND		10		ug/L			08/29/11 17:17	1
Toluene	ND		1.0		ug/L			08/29/11 17:17	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			08/29/11 17:17	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			08/29/11 17:17	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			08/29/11 17:17	1
Trichloroethene	ND		1.0		ug/L			08/29/11 17:17	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/11 17:17	1
Vinyl chloride	ND		0.50		ug/L			08/29/11 17:17	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: DUP-1
Date Collected: 08/24/11 12:00
Date Received: 08/25/11 10:45

Lab Sample ID: 360-35958-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0		ug/L			08/29/11 17:17	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*08/29/11 17:17*	*1*
Dibromofluoromethane	*106*		*70 - 130*		*08/29/11 17:17*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*08/29/11 17:17*	*1*

Client Sample ID: TB-1
Date Collected: 08/24/11 12:00
Date Received: 08/25/11 10:45

Lab Sample ID: 360-35958-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			08/29/11 16:33	1
1,1,1-Trichloroethane	ND		1.0		ug/L			08/29/11 16:33	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/11 16:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			08/29/11 16:33	1
1,1,2-Trichloroethane	ND		1.0		ug/L			08/29/11 16:33	1
1,1-Dichloroethane	ND		1.0		ug/L			08/29/11 16:33	1
1,1-Dichloroethene	ND		1.0		ug/L			08/29/11 16:33	1
1,1-Dichloropropene	ND		1.0		ug/L			08/29/11 16:33	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/11 16:33	1
1,2,3-Trichloropropane	ND		1.0		ug/L			08/29/11 16:33	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/11 16:33	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			08/29/11 16:33	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			08/29/11 16:33	1
1,2-Dichlorobenzene	ND		1.0		ug/L			08/29/11 16:33	1
1,2-Dichloroethane	ND		1.0		ug/L			08/29/11 16:33	1
1,2-Dichloropropane	ND		1.0		ug/L			08/29/11 16:33	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			08/29/11 16:33	1
1,3-Dichlorobenzene	ND		1.0		ug/L			08/29/11 16:33	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/11 16:33	1
1,4-Dichlorobenzene	ND		1.0		ug/L			08/29/11 16:33	1
2,2-Dichloropropane	ND		1.0		ug/L			08/29/11 16:33	1
2-Butanone (MEK)	ND		10		ug/L			08/29/11 16:33	1
2-Chlorotoluene	ND		1.0		ug/L			08/29/11 16:33	1
2-Hexanone	ND		10		ug/L			08/29/11 16:33	1
4-Chlorotoluene	ND		1.0		ug/L			08/29/11 16:33	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/11 16:33	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			08/29/11 16:33	1
Acetone	ND		50		ug/L			08/29/11 16:33	1
Acrylonitrile	ND		0.50		ug/L			08/29/11 16:33	1
Benzene	ND		1.0		ug/L			08/29/11 16:33	1
Bromobenzene	ND		1.0		ug/L			08/29/11 16:33	1
Bromoform	ND		1.0		ug/L			08/29/11 16:33	1
Bromomethane	ND		2.0		ug/L			08/29/11 16:33	1
Carbon disulfide	ND	*	10		ug/L			08/29/11 16:33	1
Carbon tetrachloride	ND		1.0		ug/L			08/29/11 16:33	1
Chlorobenzene	ND		1.0		ug/L			08/29/11 16:33	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/11 16:33	1
Chloroethane	ND		2.0		ug/L			08/29/11 16:33	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: TB-1
Date Collected: 08/24/11 12:00
Date Received: 08/25/11 10:45

Lab Sample ID: 360-35958-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0		ug/L			08/29/11 16:33	1
Chloromethane	ND		2.0		ug/L			08/29/11 16:33	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			08/29/11 16:33	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			08/29/11 16:33	1
Dibromomethane	ND		1.0		ug/L			08/29/11 16:33	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/11 16:33	1
Dichlorodifluoromethane	ND	*	1.0		ug/L			08/29/11 16:33	1
Ethylbenzene	ND		1.0		ug/L			08/29/11 16:33	1
Ethylene Dibromide	ND		1.0		ug/L			08/29/11 16:33	1
Hexachlorobutadiene	ND		0.40		ug/L			08/29/11 16:33	1
Isopropylbenzene	ND		1.0		ug/L			08/29/11 16:33	1
m-Xylene & p-Xylene	ND		2.0		ug/L			08/29/11 16:33	1
Methyl tert-butyl ether	ND		1.0		ug/L			08/29/11 16:33	1
Methylene Chloride	ND		2.0		ug/L			08/29/11 16:33	1
n-Butylbenzene	ND		1.0		ug/L			08/29/11 16:33	1
N-Propylbenzene	ND		1.0		ug/L			08/29/11 16:33	1
Naphthalene	ND		5.0		ug/L			08/29/11 16:33	1
o-Xylene	ND		1.0		ug/L			08/29/11 16:33	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/11 16:33	1
Styrene	ND		1.0		ug/L			08/29/11 16:33	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/11 16:33	1
Tetrachloroethene	ND		1.0		ug/L			08/29/11 16:33	1
Tetrahydrofuran	ND		10		ug/L			08/29/11 16:33	1
Toluene	ND		1.0		ug/L			08/29/11 16:33	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			08/29/11 16:33	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			08/29/11 16:33	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			08/29/11 16:33	1
Trichloroethene	ND		1.0		ug/L			08/29/11 16:33	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/11 16:33	1
Vinyl chloride	ND		0.50		ug/L			08/29/11 16:33	1
Xylenes, Total	ND		1.0		ug/L			08/29/11 16:33	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*08/29/11 16:33*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*08/29/11 16:33*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*08/29/11 16:33*	*1*

Method: 8270 - Semivolatile Compounds (GC/MS) Low level

Client Sample ID: AOC-11-SB/MW-01
Date Collected: 08/24/11 10:04
Date Received: 08/25/11 10:45

Lab Sample ID: 360-35958-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.98		ug/L		08/30/11 17:00	08/31/11 16:55	1
Acenaphthene	ND		0.98		ug/L		08/30/11 17:00	08/31/11 16:55	1
Acenaphthylene	ND		0.29		ug/L		08/30/11 17:00	08/31/11 16:55	1
Anthracene	ND		0.98		ug/L		08/30/11 17:00	08/31/11 16:55	1
Benzo[a]anthracene	ND		0.29		ug/L		08/30/11 17:00	08/31/11 16:55	1
Benzo[a]pyrene	ND		0.20		ug/L		08/30/11 17:00	08/31/11 16:55	1
Benzo[b]fluoranthene	ND		0.29		ug/L		08/30/11 17:00	08/31/11 16:55	1
Benzo[g,h,i]perylene	ND		0.49		ug/L		08/30/11 17:00	08/31/11 16:55	1
Benzo[k]fluoranthene	ND		0.29		ug/L		08/30/11 17:00	08/31/11 16:55	1
Chrysene	ND		0.98		ug/L		08/30/11 17:00	08/31/11 16:55	1
Dibenz(a,h)anthracene	**0.54**		0.49		ug/L		08/30/11 17:00	08/31/11 16:55	1
Fluoranthene	ND		0.98		ug/L		08/30/11 17:00	08/31/11 16:55	1
Fluorene	ND		0.98		ug/L		08/30/11 17:00	08/31/11 16:55	1
Indeno[1,2,3-cd]pyrene	ND		0.49		ug/L		08/30/11 17:00	08/31/11 16:55	1
Naphthalene	ND		0.98		ug/L		08/30/11 17:00	08/31/11 16:55	1
Phenanthrene	ND		0.20		ug/L		08/30/11 17:00	08/31/11 16:55	1
Pyrene	ND		4.9		ug/L		08/30/11 17:00	08/31/11 16:55	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*30 - 130*	*08/30/11 17:00*	*08/31/11 16:55*	*1*
Nitrobenzene-d5	*59*		*30 - 130*	*08/30/11 17:00*	*08/31/11 16:55*	*1*
Terphenyl-d14	*66*		*30 - 130*	*08/30/11 17:00*	*08/31/11 16:55*	*1*

Client Sample ID: DUP-1
Date Collected: 08/24/11 12:00
Date Received: 08/25/11 10:45

Lab Sample ID: 360-35958-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 17:27	1
Acenaphthene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 17:27	1
Acenaphthylene	ND		0.31		ug/L		08/30/11 17:00	08/31/11 17:27	1
Anthracene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 17:27	1
Benzo[a]anthracene	ND		0.31		ug/L		08/30/11 17:00	08/31/11 17:27	1
Benzo[a]pyrene	ND		0.21		ug/L		08/30/11 17:00	08/31/11 17:27	1
Benzo[b]fluoranthene	ND		0.31		ug/L		08/30/11 17:00	08/31/11 17:27	1
Benzo[g,h,i]perylene	ND		0.52		ug/L		08/30/11 17:00	08/31/11 17:27	1
Benzo[k]fluoranthene	ND		0.31		ug/L		08/30/11 17:00	08/31/11 17:27	1
Chrysene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 17:27	1
Dibenz(a,h)anthracene	ND		0.52		ug/L		08/30/11 17:00	08/31/11 17:27	1
Fluoranthene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 17:27	1
Fluorene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 17:27	1
Indeno[1,2,3-cd]pyrene	ND		0.52		ug/L		08/30/11 17:00	08/31/11 17:27	1
Naphthalene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 17:27	1
Phenanthrene	ND		0.21		ug/L		08/30/11 17:00	08/31/11 17:27	1
Pyrene	ND		5.2		ug/L		08/30/11 17:00	08/31/11 17:27	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*30 - 130*	*08/30/11 17:00*	*08/31/11 17:27*	*1*
Nitrobenzene-d5	*63*		*30 - 130*	*08/30/11 17:00*	*08/31/11 17:27*	*1*
Terphenyl-d14	*68*		*30 - 130*	*08/30/11 17:00*	*08/31/11 17:27*	*1*

Client Sample Results

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35958-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: MW-200
Date Collected: 08/23/11 11:03
Date Received: 08/25/11 10:45

Lab Sample ID: 360-35958-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**40**		1.0		ug/L		08/29/11 07:41	08/30/11 13:04	1
Copper	**7.4**		1.0		ug/L		08/29/11 07:41	08/30/11 13:04	1
Lead	ND		1.0		ug/L		08/29/11 07:41	08/30/11 13:04	1
Antimony	**92**		1.0		ug/L		08/29/11 07:41	08/30/11 13:04	1

Client Sample ID: AOC-11-SB/MW-01
Date Collected: 08/24/11 10:04
Date Received: 08/25/11 10:45

Lab Sample ID: 360-35958-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0		ug/L		08/29/11 07:41	08/30/11 13:23	1
Copper	**16**		1.0		ug/L		08/29/11 07:41	08/30/11 13:23	1
Lead	ND		1.0		ug/L		08/29/11 07:41	08/30/11 13:23	1
Antimony	ND		1.0		ug/L		08/29/11 07:41	08/30/11 13:23	1

Client Sample ID: DUP-1
Date Collected: 08/24/11 12:00
Date Received: 08/25/11 10:45

Lab Sample ID: 360-35958-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.0**		1.0		ug/L		08/29/11 07:41	08/30/11 13:25	1
Copper	**15**		1.0		ug/L		08/29/11 07:41	08/30/11 13:25	1
Lead	ND		1.0		ug/L		08/29/11 07:41	08/30/11 13:25	1
Antimony	ND		1.0		ug/L		08/29/11 07:41	08/30/11 13:25	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35958-1

GC/MS VOA

Analysis Batch: 79141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35958-2	AOC-11-SB/MW-01	Total/NA	Water	8260B	
360-35958-3	DUP-1	Total/NA	Water	8260B	
360-35958-4	TB-1	Total/NA	Water	8260B	
LCS 360-79141/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 360-79141/4	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 360-79141/6	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 79219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35958-2	AOC-11-SB/MW-01	Total/NA	Water	3510C	
360-35958-3	DUP-1	Total/NA	Water	3510C	
LCS 360-79219/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 360-79219/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 360-79219/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 79291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35958-2	AOC-11-SB/MW-01	Total/NA	Water	8270	79219
360-35958-3	DUP-1	Total/NA	Water	8270	79219
LCS 360-79219/2-A	Lab Control Sample	Total/NA	Water	8270	79219
LCSD 360-79219/3-A	Lab Control Sample Dup	Total/NA	Water	8270	79219
MB 360-79219/1-A	Method Blank	Total/NA	Water	8270	79219

Metals

Prep Batch: 79090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35958-1	MW-200	Total/NA	Water	3020A	
360-35958-1 DU	MW-200	Total/NA	Water	3020A	
360-35958-1 MS	MW-200	Total/NA	Water	3020A	
360-35958-2	AOC-11-SB/MW-01	Total/NA	Water	3020A	
360-35958-3	DUP-1	Total/NA	Water	3020A	
LCS 360-79090/2-A	Lab Control Sample	Total/NA	Water	3020A	
LCSD 360-79090/3-A	Lab Control Sample Dup	Total/NA	Water	3020A	
MB 360-79090/1-A	Method Blank	Total/NA	Water	3020A	

Analysis Batch: 79220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-35958-1	MW-200	Total/NA	Water	6020	79090
360-35958-1 DU	MW-200	Total/NA	Water	6020	79090
360-35958-1 MS	MW-200	Total/NA	Water	6020	79090
360-35958-2	AOC-11-SB/MW-01	Total/NA	Water	6020	79090
360-35958-3	DUP-1	Total/NA	Water	6020	79090
LCS 360-79090/2-A	Lab Control Sample	Total/NA	Water	6020	79090
LCSD 360-79090/3-A	Lab Control Sample Dup	Total/NA	Water	6020	79090
MB 360-79090/1-A	Method Blank	Total/NA	Water	6020	79090

Surrogate Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35958-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
360-35958-2	AOC-11-SB/MW-01	99	106	100
360-35958-3	DUP-1	101	106	101
360-35958-4	TB-1	101	103	101
LCS 360-79141/3	Lab Control Sample	105	105	101
LCSD 360-79141/4	Lab Control Sample Dup	104	105	101
MB 360-79141/6	Method Blank	106	108	101

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270 - Semivolatile Compounds (GC/MS) Low level

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPH
Lab Sample ID	Client Sample ID	(30-130)	(30-130)	(30-130)
360-35958-2	AOC-11-SB/MW-01	64	59	66
360-35958-3	DUP-1	69	63	68
LCS 360-79219/2-A	Lab Control Sample	69	70	65
LCSD 360-79219/3-A	Lab Control Sample Dup	69	70	61
MB 360-79219/1-A	Method Blank	64	67	63

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPH = Terphenyl-d14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 360-79141/6
Matrix: Water
Analysis Batch: 79141

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			08/29/11 12:33	1
1,1,1-Trichloroethane	ND		1.0		ug/L			08/29/11 12:33	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/11 12:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			08/29/11 12:33	1
1,1,2-Trichloroethane	ND		1.0		ug/L			08/29/11 12:33	1
1,1-Dichloroethane	ND		1.0		ug/L			08/29/11 12:33	1
1,1-Dichloroethene	ND		1.0		ug/L			08/29/11 12:33	1
1,1-Dichloropropene	ND		1.0		ug/L			08/29/11 12:33	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/11 12:33	1
1,2,3-Trichloropropane	ND		1.0		ug/L			08/29/11 12:33	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/11 12:33	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			08/29/11 12:33	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			08/29/11 12:33	1
1,2-Dichlorobenzene	ND		1.0		ug/L			08/29/11 12:33	1
1,2-Dichloroethane	ND		1.0		ug/L			08/29/11 12:33	1
1,2-Dichloropropane	ND		1.0		ug/L			08/29/11 12:33	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			08/29/11 12:33	1
1,3-Dichlorobenzene	ND		1.0		ug/L			08/29/11 12:33	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/11 12:33	1
1,4-Dichlorobenzene	ND		1.0		ug/L			08/29/11 12:33	1
2,2-Dichloropropane	ND		1.0		ug/L			08/29/11 12:33	1
2-Butanone (MEK)	ND		10		ug/L			08/29/11 12:33	1
2-Chlorotoluene	ND		1.0		ug/L			08/29/11 12:33	1
2-Hexanone	ND		10		ug/L			08/29/11 12:33	1
4-Chlorotoluene	ND		1.0		ug/L			08/29/11 12:33	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/11 12:33	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			08/29/11 12:33	1
Acetone	ND		50		ug/L			08/29/11 12:33	1
Acrylonitrile	ND		0.50		ug/L			08/29/11 12:33	1
Benzene	ND		1.0		ug/L			08/29/11 12:33	1
Bromobenzene	ND		1.0		ug/L			08/29/11 12:33	1
Bromoform	ND		1.0		ug/L			08/29/11 12:33	1
Bromomethane	ND		2.0		ug/L			08/29/11 12:33	1
Carbon disulfide	ND		10		ug/L			08/29/11 12:33	1
Carbon tetrachloride	ND		1.0		ug/L			08/29/11 12:33	1
Chlorobenzene	ND		1.0		ug/L			08/29/11 12:33	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/11 12:33	1
Chloroethane	ND		2.0		ug/L			08/29/11 12:33	1
Chloroform	ND		1.0		ug/L			08/29/11 12:33	1
Chloromethane	ND		2.0		ug/L			08/29/11 12:33	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			08/29/11 12:33	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			08/29/11 12:33	1
Dibromomethane	ND		1.0		ug/L			08/29/11 12:33	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/11 12:33	1
Dichlorodifluoromethane	ND		1.0		ug/L			08/29/11 12:33	1
Ethylbenzene	ND		1.0		ug/L			08/29/11 12:33	1
Ethylene Dibromide	ND		1.0		ug/L			08/29/11 12:33	1
Hexachlorobutadiene	ND		0.40		ug/L			08/29/11 12:33	1
Isopropylbenzene	ND		1.0		ug/L			08/29/11 12:33	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-79141/6
Matrix: Water
Analysis Batch: 79141

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		2.0		ug/L			08/29/11 12:33	1
Methyl tert-butyl ether	ND		1.0		ug/L			08/29/11 12:33	1
Methylene Chloride	ND		2.0		ug/L			08/29/11 12:33	1
n-Butylbenzene	ND		1.0		ug/L			08/29/11 12:33	1
N-Propylbenzene	ND		1.0		ug/L			08/29/11 12:33	1
Naphthalene	ND		5.0		ug/L			08/29/11 12:33	1
o-Xylene	ND		1.0		ug/L			08/29/11 12:33	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/11 12:33	1
Styrene	ND		1.0		ug/L			08/29/11 12:33	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/11 12:33	1
Tetrachloroethene	ND		1.0		ug/L			08/29/11 12:33	1
Tetrahydrofuran	ND		10		ug/L			08/29/11 12:33	1
Toluene	ND		1.0		ug/L			08/29/11 12:33	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			08/29/11 12:33	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			08/29/11 12:33	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			08/29/11 12:33	1
Trichloroethene	ND		1.0		ug/L			08/29/11 12:33	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/11 12:33	1
Vinyl chloride	ND		0.50		ug/L			08/29/11 12:33	1
Xylenes, Total	ND		1.0		ug/L			08/29/11 12:33	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*70 - 130*		*08/29/11 12:33*	*1*
Dibromofluoromethane	*108*		*70 - 130*		*08/29/11 12:33*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*08/29/11 12:33*	*1*

Lab Sample ID: LCS 360-79141/3
Matrix: Water
Analysis Batch: 79141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	22.0		ug/L		110	70 - 130
1,1,1-Trichloroethane	20.0	22.6		ug/L		113	70 - 130
1,1,2,2-Tetrachloroethane	20.0	20.1		ug/L		101	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroetha ne	20.0	17.8		ug/L		89	70 - 130
1,1,2-Trichloroethane	20.0	21.0		ug/L		105	70 - 130
1,1-Dichloroethane	20.0	22.2		ug/L		111	70 - 130
1,1-Dichloroethene	20.0	19.9		ug/L		100	70 - 130
1,1-Dichloropropene	20.0	22.0		ug/L		110	70 - 130
1,2,3-Trichlorobenzene	20.0	20.2		ug/L		101	70 - 130
1,2,3-Trichloropropane	20.0	22.8		ug/L		114	70 - 130
1,2,4-Trichlorobenzene	20.0	21.2		ug/L		106	70 - 130
1,2,4-Trimethylbenzene	20.0	23.6		ug/L		118	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	19.0		ug/L		95	70 - 130
1,2-Dichlorobenzene	20.0	21.3		ug/L		107	70 - 130
1,2-Dichloroethane	20.0	22.3		ug/L		112	70 - 130
1,2-Dichloropropane	20.0	21.0		ug/L		105	70 - 130
1,3,5-Trimethylbenzene	20.0	23.0		ug/L		115	70 - 130
1,3-Dichlorobenzene	20.0	23.2		ug/L		116	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-79141/3
Matrix: Water
Analysis Batch: 79141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,3-Dichloropropane	20.0	21.5		ug/L		108	70 - 130
1,4-Dichlorobenzene	20.0	21.7		ug/L		109	70 - 130
2,2-Dichloropropane	20.0	23.8		ug/L		119	70 - 130
2-Butanone (MEK)	200	194		ug/L		97	70 - 130
2-Chlorotoluene	20.0	22.4		ug/L		112	70 - 130
2-Hexanone	200	214		ug/L		107	70 - 130
4-Chlorotoluene	20.0	23.0		ug/L		115	70 - 130
4-Isopropyltoluene	20.0	24.2		ug/L		121	70 - 130
4-Methyl-2-pentanone (MIBK)	200	214		ug/L		107	70 - 130
Acetone	200	141		ug/L		70	70 - 130
Acrylonitrile	20.0	18.6		ug/L		93	70 - 130
Benzene	20.0	21.2		ug/L		106	70 - 130
Bromobenzene	20.0	20.8		ug/L		104	70 - 130
Bromoform	20.0	18.4		ug/L		92	70 - 130
Bromomethane	20.0	21.7		ug/L		109	70 - 130
Carbon disulfide	20.0	27.1	*	ug/L		136	70 - 130
Carbon tetrachloride	20.0	21.7		ug/L		109	70 - 130
Chlorobenzene	20.0	21.0		ug/L		105	70 - 130
Chlorodibromomethane	20.0	21.5		ug/L		108	70 - 130
Chloroethane	20.0	22.4		ug/L		112	70 - 130
Chloroform	20.0	20.5		ug/L		103	70 - 130
Chloromethane	20.0	19.9		ug/L		100	70 - 130
cis-1,2-Dichloroethene	20.0	21.6		ug/L		108	70 - 130
cis-1,3-Dichloropropene	20.0	20.5		ug/L		103	70 - 130
Dibromomethane	20.0	21.8		ug/L		109	70 - 130
Dichlorobromomethane	20.0	21.7		ug/L		109	70 - 130
Dichlorodifluoromethane	20.0	13.4	*	ug/L		67	70 - 130
Ethylbenzene	20.0	21.6		ug/L		108	70 - 130
Ethylene Dibromide	20.0	21.7		ug/L		109	70 - 130
Hexachlorobutadiene	20.0	21.8		ug/L		109	70 - 130
Isopropylbenzene	20.0	22.3		ug/L		112	70 - 130
m-Xylene & p-Xylene	40.0	42.9		ug/L		107	70 - 130
Methyl tert-butyl ether	20.0	22.6		ug/L		113	70 - 130
Methylene Chloride	20.0	20.1		ug/L		101	70 - 130
n-Butylbenzene	20.0	23.3		ug/L		117	70 - 130
N-Propylbenzene	20.0	23.1		ug/L		116	70 - 130
Naphthalene	20.0	18.6		ug/L		93	70 - 130
o-Xylene	20.0	21.3		ug/L		107	70 - 130
sec-Butylbenzene	20.0	24.1		ug/L		121	70 - 130
Styrene	20.0	20.9		ug/L		105	70 - 130
tert-Butylbenzene	20.0	23.7		ug/L		119	70 - 130
Tetrachloroethene	20.0	21.2		ug/L		106	70 - 130
Tetrahydrofuran	200	201		ug/L		101	70 - 130
Toluene	20.0	21.4		ug/L		107	70 - 130
trans-1,2-Dichloroethene	20.0	21.9		ug/L		110	70 - 130
trans-1,3-Dichloropropene	20.0	21.3		ug/L		107	70 - 130
trans-1,4-Dichloro-2-butene	20.0	21.4		ug/L		107	70 - 130
Trichloroethene	20.0	21.7		ug/L		109	70 - 130
Trichlorofluoromethane	20.0	21.0		ug/L		105	70 - 130
Vinyl chloride	20.0	21.6		ug/L		108	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-79141/3
Matrix: Water
Analysis Batch: 79141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Xylenes, Total			60.0	64.2		ug/L		107	70 - 130		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 360-79141/4
Matrix: Water
Analysis Batch: 79141

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			20.0	20.5		ug/L		103	70 - 130	7	25
1,1,1-Trichloroethane			20.0	20.9		ug/L		105	70 - 130	8	25
1,1,2,2-Tetrachloroethane			20.0	20.8		ug/L		104	70 - 130	3	25
1,1,2-Trichloro-1,2,2-trifluoroetha ne			20.0	15.7		ug/L		79	70 - 130	13	25
1,1,2-Trichloroethane			20.0	20.6		ug/L		103	70 - 130	2	25
1,1-Dichloroethane			20.0	20.9		ug/L		105	70 - 130	6	25
1,1-Dichloroethene			20.0	18.3		ug/L		92	70 - 130	8	25
1,1-Dichloropropene			20.0	20.8		ug/L		104	70 - 130	6	25
1,2,3-Trichlorobenzene			20.0	19.4		ug/L		97	70 - 130	4	25
1,2,3-Trichloropropane			20.0	22.2		ug/L		111	70 - 130	3	25
1,2,4-Trichlorobenzene			20.0	20.8		ug/L		104	70 - 130	2	25
1,2,4-Trimethylbenzene			20.0	21.3		ug/L		107	70 - 130	10	25
1,2-Dibromo-3-Chloropropane			20.0	19.4		ug/L		97	70 - 130	2	25
1,2-Dichlorobenzene			20.0	20.7		ug/L		104	70 - 130	3	25
1,2-Dichloroethane			20.0	22.1		ug/L		111	70 - 130	1	25
1,2-Dichloropropane			20.0	20.4		ug/L		102	70 - 130	3	25
1,3,5-Trimethylbenzene			20.0	21.1		ug/L		106	70 - 130	9	25
1,3-Dichlorobenzene			20.0	21.5		ug/L		108	70 - 130	8	25
1,3-Dichloropropane			20.0	21.1		ug/L		106	70 - 130	2	25
1,4-Dichlorobenzene			20.0	20.7		ug/L		104	70 - 130	5	25
2,2-Dichloropropane			20.0	21.2		ug/L		106	70 - 130	12	25
2-Butanone (MEK)			200	206		ug/L		103	70 - 130	6	25
2-Chlorotoluene			20.0	21.1		ug/L		106	70 - 130	6	25
2-Hexanone			200	218		ug/L		109	70 - 130	2	25
4-Chlorotoluene			20.0	21.6		ug/L		108	70 - 130	6	25
4-Isopropyltoluene			20.0	22.8		ug/L		114	70 - 130	6	25
4-Methyl-2-pentanone (MIBK)			200	210		ug/L		105	70 - 130	2	25
Acetone			200	143		ug/L		72	70 - 130	2	25
Acrylonitrile			20.0	18.9		ug/L		95	70 - 130	2	25
Benzene			20.0	20.1		ug/L		101	70 - 130	5	25
Bromobenzene			20.0	20.3		ug/L		102	70 - 130	2	25
Bromoform			20.0	18.7		ug/L		94	70 - 130	2	25
Bromomethane			20.0	19.3		ug/L		97	70 - 130	12	25
Carbon disulfide			20.0	23.0		ug/L		115	70 - 130	16	25
Carbon tetrachloride			20.0	19.7		ug/L		99	70 - 130	10	25
Chlorobenzene			20.0	20.1		ug/L		101	70 - 130	4	25
Chlorodibromomethane			20.0	20.9		ug/L		105	70 - 130	3	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-79141/4
Matrix: Water
Analysis Batch: 79141

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chloroethane	20.0	19.2		ug/L		96	70 - 130	15	25
Chloroform	20.0	19.7		ug/L		99	70 - 130	4	25
Chloromethane	20.0	17.7		ug/L		89	70 - 130	12	25
cis-1,2-Dichloroethene	20.0	20.8		ug/L		104	70 - 130	4	25
cis-1,3-Dichloropropene	20.0	19.8		ug/L		99	70 - 130	3	25
Dibromomethane	20.0	21.6		ug/L		108	70 - 130	1	25
Dichlorobromomethane	20.0	21.1		ug/L		106	70 - 130	3	25
Dichlorodifluoromethane	20.0	12.5		ug/L		63	70 - 130	7	25
Ethylbenzene	20.0	20.5		ug/L		103	70 - 130	5	25
Ethylene Dibromide	20.0	21.2		ug/L		106	70 - 130	2	25
Hexachlorobutadiene	20.0	19.8		ug/L		99	70 - 130	10	25
Isopropylbenzene	20.0	20.4		ug/L		102	70 - 130	9	25
m-Xylene & p-Xylene	40.0	40.8		ug/L		102	70 - 130	5	25
Methyl tert-butyl ether	20.0	21.1		ug/L		106	70 - 130	7	25
Methylene Chloride	20.0	18.4		ug/L		92	70 - 130	9	25
n-Butylbenzene	20.0	22.2		ug/L		111	70 - 130	5	25
N-Propylbenzene	20.0	21.2		ug/L		106	70 - 130	9	25
Naphthalene	20.0	18.6		ug/L		93	70 - 130	0	25
o-Xylene	20.0	20.1		ug/L		101	70 - 130	6	25
sec-Butylbenzene	20.0	21.7		ug/L		109	70 - 130	10	25
Styrene	20.0	19.7		ug/L		99	70 - 130	6	25
tert-Butylbenzene	20.0	21.1		ug/L		106	70 - 130	12	25
Tetrachloroethene	20.0	20.1		ug/L		101	70 - 130	5	25
Tetrahydrofuran	200	205		ug/L		103	70 - 130	2	25
Toluene	20.0	19.9		ug/L		100	70 - 130	7	25
trans-1,2-Dichloroethene	20.0	20.7		ug/L		104	70 - 130	6	25
trans-1,3-Dichloropropene	20.0	20.6		ug/L		103	70 - 130	3	25
trans-1,4-Dichloro-2-butene	20.0	21.4		ug/L		107	70 - 130	0	25
Trichloroethene	20.0	20.1		ug/L		101	70 - 130	8	25
Trichlorofluoromethane	20.0	19.0		ug/L		95	70 - 130	10	25
Vinyl chloride	20.0	19.3		ug/L		97	70 - 130	11	25
Xylenes, Total	60.0	60.9		ug/L		102	70 - 130	5	25

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Method: 8270 - Semivolatile Compounds (GC/MS) Low level

Lab Sample ID: MB 360-79219/1-A
Matrix: Water
Analysis Batch: 79291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79219

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 15:19	1
Acenaphthene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 15:19	1
Acenaphthylene	ND		0.30		ug/L		08/30/11 17:00	08/31/11 15:19	1
Anthracene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 15:19	1

Method: 8270 - Semivolatile Compounds (GC/MS) Low level (Continued)

Lab Sample ID: MB 360-79219/1-A
Matrix: Water
Analysis Batch: 79291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79219

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.30		ug/L		08/30/11 17:00	08/31/11 15:19	1
Benzo[a]pyrene	ND		0.20		ug/L		08/30/11 17:00	08/31/11 15:19	1
Benzo[b]fluoranthene	ND		0.30		ug/L		08/30/11 17:00	08/31/11 15:19	1
Benzo[g,h,i]perylene	ND		0.50		ug/L		08/30/11 17:00	08/31/11 15:19	1
Benzo[k]fluoranthene	ND		0.30		ug/L		08/30/11 17:00	08/31/11 15:19	1
Chrysene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 15:19	1
Dibenz(a,h)anthracene	ND		0.50		ug/L		08/30/11 17:00	08/31/11 15:19	1
Fluoranthene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 15:19	1
Fluorene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 15:19	1
Indeno[1,2,3-cd]pyrene	ND		0.50		ug/L		08/30/11 17:00	08/31/11 15:19	1
Naphthalene	ND		1.0		ug/L		08/30/11 17:00	08/31/11 15:19	1
Phenanthrene	ND		0.20		ug/L		08/30/11 17:00	08/31/11 15:19	1
Pyrene	ND		5.0		ug/L		08/30/11 17:00	08/31/11 15:19	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*30 - 130*	*08/30/11 17:00*	*08/31/11 15:19*	*1*
Nitrobenzene-d5	*67*		*30 - 130*	*08/30/11 17:00*	*08/31/11 15:19*	*1*
Terphenyl-d14	*63*		*30 - 130*	*08/30/11 17:00*	*08/31/11 15:19*	*1*

Lab Sample ID: LCS 360-79219/2-A
Matrix: Water
Analysis Batch: 79291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79219

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2-Methylnaphthalene	8.00	4.59		ug/L		57	40 - 140
Acenaphthene	8.00	5.68		ug/L		71	40 - 140
Acenaphthylene	8.00	5.23		ug/L		65	40 - 140
Anthracene	8.00	6.39		ug/L		80	40 - 140
Benzo[a]anthracene	8.00	6.85		ug/L		86	40 - 140
Benzo[a]pyrene	8.00	6.67		ug/L		83	40 - 140
Benzo[b]fluoranthene	8.00	5.45		ug/L		68	40 - 140
Benzo[g,h,i]perylene	8.00	10.5		ug/L		131	40 - 140
Benzo[k]fluoranthene	8.00	6.29		ug/L		79	40 - 140
Chrysene	8.00	7.02		ug/L		88	40 - 140
Dibenz(a,h)anthracene	8.00	9.82		ug/L		123	40 - 140
Fluoranthene	8.00	6.73		ug/L		84	40 - 140
Fluorene	8.00	5.79		ug/L		72	40 - 140
Indeno[1,2,3-cd]pyrene	8.00	10.0		ug/L		125	40 - 140
Naphthalene	8.00	5.04		ug/L		63	40 - 140
Phenanthrene	8.00	5.85		ug/L		73	40 - 140
Pyrene	8.00	5.70		ug/L		71	40 - 140

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*30 - 130*
Nitrobenzene-d5	*70*		*30 - 130*
Terphenyl-d14	*65*		*30 - 130*

Method: 8270 - Semivolatile Compounds (GC/MS) Low level (Continued)

Lab Sample ID: LCSD 360-79219/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 79291 — **Prep Batch: 79219**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	8.00	4.57		ug/L		57	40 - 140	0	20
Acenaphthene	8.00	5.52		ug/L		69	40 - 140	3	20
Acenaphthylene	8.00	5.18		ug/L		65	40 - 140	1	20
Anthracene	8.00	6.60		ug/L		83	40 - 140	3	20
Benzo[a]anthracene	8.00	6.90		ug/L		86	40 - 140	1	20
Benzo[a]pyrene	8.00	6.83		ug/L		85	40 - 140	2	20
Benzo[b]fluoranthene	8.00	5.47		ug/L		68	40 - 140	0	20
Benzo[g,h,i]perylene	8.00	10.8		ug/L		135	40 - 140	3	20
Benzo[k]fluoranthene	8.00	6.40		ug/L		80	40 - 140	2	20
Chrysene	8.00	7.25		ug/L		91	40 - 140	3	20
Dibenz(a,h)anthracene	8.00	10.1		ug/L		126	40 - 140	3	20
Fluoranthene	8.00	6.82		ug/L		85	40 - 140	1	20
Fluorene	8.00	5.70		ug/L		71	40 - 140	2	20
Indeno[1,2,3-cd]pyrene	8.00	10.5		ug/L		131	40 - 140	5	20
Naphthalene	8.00	4.91		ug/L		61	40 - 140	3	20
Phenanthrene	8.00	5.98		ug/L		75	40 - 140	2	20
Pyrene	8.00	5.54		ug/L		69	40 - 140	3	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*30 - 130*
Nitrobenzene-d5	*70*		*30 - 130*
Terphenyl-d14	*61*		*30 - 130*

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 360-79090/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 79220 — **Prep Batch: 79090**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0		ug/L		08/29/11 07:41	08/30/11 12:55	1
Copper	ND		1.0		ug/L		08/29/11 07:41	08/30/11 12:55	1
Lead	ND		1.0		ug/L		08/29/11 07:41	08/30/11 12:55	1
Antimony	ND		1.0		ug/L		08/29/11 07:41	08/30/11 12:55	1

Lab Sample ID: LCS 360-79090/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 79220 — **Prep Batch: 79090**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Arsenic	50.0	46.6		ug/L		93	80 - 120
Copper	50.0	48.4		ug/L		97	80 - 120
Lead	50.0	51.7		ug/L		103	80 - 120
Antimony	50.0	48.7		ug/L		97	80 - 120

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 360-79090/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 79220 — **Prep Batch: 79090**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Arsenic			50.0	47.5		ug/L		95	80 - 120	2	20
Copper			50.0	50.8		ug/L		102	80 - 120	5	20
Lead			50.0	53.3		ug/L		107	80 - 120	3	20
Antimony			50.0	50.8		ug/L		102	80 - 120	4	20

Lab Sample ID: 360-35958-1 MS — **Client Sample ID: MW-200**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 79220 — **Prep Batch: 79090**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits		
Arsenic	40		50.0	87.7		ug/L		95	75 - 125		
Copper	7.4		50.0	55.3		ug/L		96	75 - 125		
Lead	ND		50.0	54.4		ug/L		108	75 - 125		
Antimony	92		50.0	146		ug/L		107	75 - 125		

Lab Sample ID: 360-35958-1 DU — **Client Sample ID: MW-200**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 79220 — **Prep Batch: 79090**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Arsenic	40			39.0		ug/L				3	20
Copper	7.4			7.44		ug/L				0.4	20
Lead	ND			ND		ug/L				NC	20
Antimony	92			94.3		ug/L				3	20

Lab Chronicle

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35958-1

Client Sample ID: MW-200 — Lab Sample ID: 360-35958-1

Date Collected: 08/23/11 11:03 — **Matrix: Water**
Date Received: 08/25/11 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3020A			79090	08/29/11 07:41	EMN	TAL WFD
Total/NA	Analysis	6020		1	79220	08/30/11 13:04	TJS	TAL WFD

Client Sample ID: AOC-11-SB/MW-01 — Lab Sample ID: 360-35958-2

Date Collected: 08/24/11 10:04 — **Matrix: Water**
Date Received: 08/25/11 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	79141	08/29/11 16:55	TH	TAL WFD
Total/NA	Prep	3510C			79219	08/30/11 17:00	MJM	TAL WFD
Total/NA	Analysis	8270		1	79291	08/31/11 16:55	CMR	TAL WFD
Total/NA	Prep	3020A			79090	08/29/11 07:41	EMN	TAL WFD
Total/NA	Analysis	6020		1	79220	08/30/11 13:23	TJS	TAL WFD

Client Sample ID: DUP-1 — Lab Sample ID: 360-35958-3

Date Collected: 08/24/11 12:00 — **Matrix: Water**
Date Received: 08/25/11 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	79141	08/29/11 17:17	TH	TAL WFD
Total/NA	Prep	3510C			79219	08/30/11 17:00	MJM	TAL WFD
Total/NA	Analysis	8270		1	79291	08/31/11 17:27	CMR	TAL WFD
Total/NA	Prep	3020A			79090	08/29/11 07:41	EMN	TAL WFD
Total/NA	Analysis	6020		1	79220	08/30/11 13:25	TJS	TAL WFD

Client Sample ID: TB-1 — Lab Sample ID: 360-35958-4

Date Collected: 08/24/11 12:00 — **Matrix: Water**
Date Received: 08/25/11 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	79141	08/29/11 16:33	TH	TAL WFD

Laboratory References:
TAL WFD = TestAmerica Westfield, Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085, TEL (413)572-4000

Certification Summary

Client: Tighe & Bond
Project/Site: Meriden Brownfields 22-0817

TestAmerica Job ID: 360-35958-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Westfield	Connecticut	State Program	1	PH-0494
TestAmerica Westfield	Maine	State Program	1	MA00014
TestAmerica Westfield	Massachusetts	State Program	1	M-MA014
TestAmerica Westfield	New Hampshire	NELAC	1	2539
TestAmerica Westfield	New York	NELAC	2	10843
TestAmerica Westfield	North Carolina	North Carolina DENR	4	647
TestAmerica Westfield	Rhode Island	State Program	1	LAO00057
TestAmerica Westfield	Vermont	State Program	1	VT-10843

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

State Accreditation Matrix

Method Name	Description	State where **Primary** Accreditation is Carried			
		New Hampshire (NELAC)	Mass	Conn	North Carolina
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)	NP			
SM 4500 Cl F	Chlorine, Residual		NP		
SM 9215E	Heterotrophic Plate Count (SimPlate)		P		
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP		
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P		
SM 9224	Coliforms, Total, and E.Coli (Enumeration)		P		
1103.1	E.coli		ambient/ source		
Enterolert	Enterococcus				
200.8 Rev 5.4	Metals (ICP/MS) (list upon request)	NP/P	NP/P		
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P		
6010B	Metals (ICP)(list upon request)	NP/SW			
245.1	Mercury (CVAA)	NP/P	NP		
7470A	Mercury (CVAA)	NP			
7471A	Mercury (CVAA)	SW			
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP		
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P			
3010A	Preparation, Total Metals	NP/P			
3020A	Preparation, Total Metals	NP/P/SW			
3050B	Preparation, Metals	SW			
504.1	EDB, DBCP and 1,2,3-TCP (GC)	P	P		
608	Organochlorine Pest/PCBs (list upon request)	NP	NP		
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP	NP		
3546	Microwave Extraction	SW			
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP			
3550B	Ultrasonic Extraction	SW			
8081A	Organochlorine Pesticides (GC)(list upon request)	NP/SW			
8082	PCBs by Gas Chromatography(list upon request)	NP/SW			
8270C	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW			
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)			NP/SW	
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)				NP/SW
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P		
524.2	Trihalomethane compounds	P	P		
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP		
5035	Closed System Purge and Trap	SW			
5030B	Purge and Trap	NP			
8260B	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW			
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)				NP/SW
180.1	Turbidity, Nephelometric	P	P		
300	Anions, Ion Chromatography	NP/P	NP/P		
410.4	COD	NP	NP		
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW			
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP		
7196A	Chromium, Hexavalent	NP/SW			
9012A	Cyanide, Total and/or Amenable	NP/SW			
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP			
9045C	pH	SW			
L107041C	Nitrogen, Nitrate	NP	P		
L107-06-1B	Nitrogen Ammonia	NP	NP		
L204001A CN	Cyanide, Total	P	NP/P		
L210-001A	Phenolics, Total Recoverable	NP	NP		
SM 2320B	Alkalinity	NP/P	NP/P		
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P		
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P		
SM 2540D	Solids, Total Suspended (TSS)	NP	NP		
SM 3500 CR D	Chromium, Hexavalent	NP			
SM 4500 H+ B	pH	NP/P	NP/P		
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P		
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP		
SM 4500 P E	Phosphorus, Total	NP	NP		
SM 4500 S2 D	Sulfide, Total	NP			
SM 5210B	BOD, 5-Day	NP	NP		
SM 5310B	Organic Carbon, Total (TOC)	NP/P	NP		

Not all organic compounds are accreditied under NELAC
For methods with multiple compounds all compounds may not meet NELAC criteria, listing should be obtained from the laboratory
The lab carries additional accreditations with several states. This is the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Login Sample Receipt Checklist

Client: Tighe & Bond

Job Number: 360-35958-1

Login Number: 35958

List Source: TestAmerica Westfield

List Number: 1

Creator: Ard, Vanessa L

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Westfield
53 Southampton Road

Westfield, MA 1085
phone 413.572.4000 fax 413.572.3707

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: James Olsen	Site Contact: Meghan Schuab	Date: 8-24-11	COC No:
Tighe & Bond	Tel/Fax:	Lab Contact: Becky Mason	Carrier:	1 of 1 COCs
213 Court Street, Suite 900	Analysis Turnaround Time			Job No. 22-0817
Middletown, CT 06457	Calendar (C) or Work Days (W) _____			
(860) 704-4761 Phone	TAT if different from Below Standard			SDG No.
(860) 704-4775 FAX	☐ 2 weeks			
Project Name: 116 Cook - Meriden Brownfields	☐ 1 week			
Site: 116 Cook	☐ 2 days			
PO# 22-0817	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs 8260	PAHs 8270 (low-level)	Metals -	Sample Specific Notes:
MW-200	8-23-11	1103	GW	G	1				X	
AOC-11-58 / MW-01	8-24-11	1004	GW	G	7		X	X	X	
DUP-1	8-24-11		GW	G	7		X	X	X	
TB-1	8-24-11	1200	from lab		2		X			

8/25/11

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ all ice → 2 1 4

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Poison B ☐ Unknown ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
Metals: Total - Arsenic, Antimony, Copper, and Lead

1.7 Ice

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	T+B 0920	8-24-11 1800	T+B sample fridge	T+B	[illegible] 1800
Relinquished by: [signature]	Company:	Date/Time:	Received by: [signature]	Company:	Date/Time: 8-25-11 0920
Relinquished by: [signature]	Company:	Date/Time: 8-25-11 1000	Received by: [signature]	Company:	Date/Time: 8/25/11 1045