Former Summit Thread Powerhouse
13 Watrous Street
East Hampton, Connecticut

Partial Phase III Environmental Site Assessment Report

Submitted to

Town of East Hampton
20 East High Street
East Hampton, CT 06424

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Section 1 Introduction

Tighe & Bond has prepared this Partial Phase III Environmental Site Assessment (ESA) for 13 Watrous Street, East Hampton, Connecticut (the site) as shown in Figure 1. The site was formerly used as the powerhouse for the Summit Thread Company and Artistic Wire Company during the 1910s to the 1940s. Prior to the Town acquiring the property in 2002, it was an auto body and auto repair shop. The site has been unoccupied since 2005. The Partial Phase III ESA was conducted in general accordance with the Connecticut Department of Environmental Protection (CTDEP) Site Characterization Guidance Document, dated September 2007 and the EPA approved Quality Assurance Project Plans (QAPPs) dated July 14, and October 20 2008.

This Partial Phase III ESA report is the initial component of a United States Department of Environmental Protection Agency (USEPA) Brownfields Cleanup Grant awarded to the Town of East Hampton for the site. Tighe & Bond performed the Phase I and II Environmental Site Assessments (ESAs) on the site in 2005. The site was selected for additional funding based, in part, to its location in the Village Center area of East Hampton and the nature of releases indentified.

The redevelopment of the site is consistent with the Town's planning goals including the revitalization of the Village Center area. As part of the cleanup, the site was enrolled into the Voluntary Remediation Program in December 2006. In conjunction with this enrollment, an Environmental Condition Assessment for was filed with the CTDEP on June 7, 2007.

There are four components to this investigation:

- Development of the scope of work
- Assessment activities
- Evaluation and presentation of data
- Summary and conclusions

Section 2 Objectives

The objective of this Partial Phase III ESA is to determine the nature and extent of the releases of COCs to the environment at select areas of concern (AOCs) from the Phase I and II ESAs. The information will be used to determine the best course of action for the remediation of the site. Ultimately, the recommendations and conclusions provided in this report will assist the Town of East Hampton to prioritize their redevelopment decision-making process. These decisions will reflect the Town's goals of protecting human health and the environment in addition to improving the economic vitality of the Village Center area.

The 2005 Phase II ESA investigated seven AOCs on the site with five of the AOCs confirmed to have release of constituents of concern (COCs) to the environment. A release area is defined as the area at and beneath which polluted soil is located as a result of a release.

The data quality objectives (DQOs) of the initial investigation were to:

- Determine the extent of contaminated soils at the AOCs where releases were identified
- Compare the concentrations of the COCs detected to appropriate health-based RSR criteria established by the CTDEP to determine the extent of cleanup that will be required
- Provide site-specific data for the on-going redevelopment planning study for the village center and to determine the best remedial action plan

Based on initial field results from this investigation, additional investigation of PCB impacts was performed to determine if newly found PCB impacts were present at the boundary of the site. The DQOs of the PCB investigation were to:

- Determine the extent of PCB contaminated soils along sections of the property boundary bordering residential properties and PCB impacts to groundwater
- Compare the concentrations of the PCBs detected to appropriate health-based RSR criteria established by the CTDEP to determine if PCB impacts are evident at the property boundary and in groundwater
- Provide site-specific data for the on-going redevelopment planning study for the site and to determine the best remedial action plan to protect human health and the environment

Section 3 Site Description

3.1 Location

The site is located at 13 Watrous Street in East Hampton, Connecticut as depicted on Figure 1. The site is comprised of approximately 1.36 acres. The building located on-site is approximately 14,017 square feet with no basement. However, a subfloor and tunnels extend throughout the building.

Tax Assessor's Code: Map 06A Block 59 Lot 12

Zoning: Industrial

Number of Buildings: One irregular shaped building with three distinct sections (northern, central and southern)

Building Description: An industrial complex with concrete floors, a mixture of concrete and brick walls, and steel trusses

Dates of Construction: The main building was built in 1910. The southern section of the building was added in the 1930s. The northern section (open coal pocket) was completed as a building in the 1950

3.2 Site Operations and History

Current Use: Vacant

Previous Uses: The site was originally used as a powerhouse for the former Summit Thread Company and Artistic Wire Company from the early 1900s to 1950s. The site was also used as an automobile body and repair shop and automobile repair and storage and industrial storage for J.C. Products.

3.3 Areas of Concern

An AOC is defined as locations or areas at a site where hazardous was and/or hazardous substances (including petroleum products) have been or may have been used, stored, treated, handled, disposed, spilled, and/or release to the environment. The AOCs are depicted on Figure 3. The AOCs and associated COCs from the Phase I and II ESAs for the site as described below:

- AOC 1 - Floor Drain: The floor drain in the central section of the building could present a conduit for COCs to enter the environment from inside the building. The direction and extent of the floor drainage system is not known. The potential exists for groundwater and/or soil contamination near the floor drain, drain pipes, and discharge point. Elevated concentrations of extractable total petroleum hydrocarbons (ETPH) and volatile organic compounds (VOCs) were identified in floor drain sediment at this location during the Phase II ESA. This area was not further evaluated during this investigation.

- AOC 2 - 300-gallon Aboveground Storage Tanks (ASTs) Location: Three 300-gallon ASTs were contained in the northern section of the building. Minor floor

staining was observed in this area. The condition of the tanks is unknown but the potential exists that the one of the tanks has leaked and adversely affected soil or groundwater quality at the site. No release was identified for this AOC during the Phase II ESA.

- AOC 3 - In-Ground Hydraulic Lift: An in-ground hydraulic lift is located in the northern section of the site. The lift has not been utilized for several years. However, the hydraulic fluids are still contained in the lift and present a potential environmental hazard. This area was not evaluated during the Phase II ESA or this investigation.

- AOC 4 - Former Coal Pocket Storage Area: The northern section of the building was used as an open coal pocket for coal storage. This area was not covered with a building until the 1950s. Although the floor is concrete, there is a potential that coal constituents have historically leached into the soil and groundwater underlying the concrete slab. Based on the Phase II ESA, this area had metals concentrations which are above RSR criteria. During this investigation, the extent of metals impacts to soils was delineated.

- AOC 5 - Interior Floor Stained Areas: Several areas of staining were documented during the site reconnaissance. Cracks in the concrete floor may provide a pathway for contaminants to migrate to the subsurface and environment. Based on the Phase II ESA, a release of trichloroethene (TCE) was identified in southwest section of the central portion of the building. During this investigation, the extent of TCE impacts to soils was delineated.

- AOC 6 - Exterior Areas: Current and historic site information suggests a potential for soil or groundwater contamination at the site exterior. Automobile and refuse storage has historically occurred on the property exterior. In addition, a railroad track formerly traversed the western portion of the property. Stressed vegetation and soil staining has been documented during previous site reconnaissance. Releases of VOCs, PAHs, PCBs, and petroleum hydrocarbons have been documented in exterior areas located to the east, west and south of the building. During this investigation, the nature and extent of impacts to soils was assessed. Selected release areas within this AOC were further delineated. During the course of this investigation, additional release areas of COCs outside the initial stained areas were identified in exterior locations on the site. The AOC description has been changed to not this new information.

- AOC 7 – Former IEP and Storage Area: The Phase I ESA noted storage of industrial cleaners and petroleum product in the southern section of the building. During review of previous investigation, this section of the building was identified as an “Independent Electric Plant” (IEP) on the 1936 Sanborn map. The AOC description has been changed to note this new information. This area was used as temporary materials storage for J.C. Products. VOCs were detected in soil above applicable RSR criteria at an exterior location adjacent to this AOC. This release will be addressed as part of AOC-6. The interior of this AOC has not been investigated during the Phase II ESA or this investigation.

- AOC-8 Pesticide Use Area: Based on additional information attained during the Phase II ESA, it appears pesticides may have been used on-site along the western side of the building foundation.

Section 4 Field Investigations

4.1 Soil Sampling

On August 28, 2008, soil borings were advanced by Logical Environmental Solutions, LLC. of Tolland, Connecticut under the supervision of Tighe & Bond. A total of 23 soil borings (RI-6, RI-7, and RI-11 through RI-31) were advanced by direct-push drilling equipment (Geoprobe). On September 3, 2008, seven borings (RI-5, RI-8, RI-9, RI-10, HRI-1, HRI-2, and HRI-3) were installed with hand auger equipment by Tighe & Bond. Based on initial soil sample results from these soil borings, additional investigation was performed to determine if PCB impacts were present along the boundary of the site. On October 27, 2008, an additional twenty borings (PCB-1 through PCB-20) were advanced along the southern boundary of the site using Geoprobe equipment, where the highest PCB concentrations were detected. On October 29, 2008, three additional borings; PCB 21 through PCB-23, were installed with hand auger equipment.

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 and screened for total VOCs using a photo-ionization detector (PID) calibrated to manufacturers specification
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 selected borings with a bias towards samples exhibiting evidence of environmental impact (e.g. staining and high PID reading) or suspected fill material and in accordance with the approved QAPP. This collection and screening procedure was continued until the boring was completed. Following completion of each soil boring, and related soil sample collection activities, the resulting boreholes were backfilled with the drill cuttings.

The soil borings from this investigation were installed at the AOCs described below. Boring locations are depicted on Figure 2.

- AOC 4 - Former Coal Pocket Storage Area
  The former coal pocket storage area was explored further by advancing five borings, RI-1 through RI-5. Boring RI-1 was advanced in the same location as boring B-2 from the previous Phase II ESA. Borings RI-2 through RI-5 surrounded B-2/RI-1 at a distance of approximately 7 feet (') to the northwest, northeast, southeast, and southwest directions, respectively. At least one sample from each boring was collected and analyzed for lead, copper, zinc and antimony. These metals had been previously detected in excess of the RSR criteria from this area. Bedrock refusal was encountered between 2' and 3' below grade surface (bgs).

- AOC 5 - Interior Stained Area

TCE was previously detected in soil above applicable RSR criteria at 310,000 µg/kg associated with a heavily stained area located inside the central portion of the building. On August 28, 2008, two borings, RI-6 and RI-7, were advanced by direct-push drilling. On September 3, 2008, three borings, RI-8 through RI-10, were advanced by hand auger. Boring RI-6 was advanced at the same location as previous boring B-6 from the Phase II ESA with borings, RI-7, RI-8, RI-9, and RI-10 advanced north, south, east, and west of RI-6, respectively, at a distance of approximately 3'. Borings advanced in this area were sampled for VOCs. Borings had bedrock refusal between 3' and 4' bgs.

- AOC 6 – Exterior Area
  - Release Area 6A: A release area centrally located adjacent to the western side of the building had a previous TCE concentration of 350 µg/kg in excess of the RSR criteria. One boring, RI-16, was advanced by direct-push immediately adjacent to the north of previous boring B-8 on August 28, 2008. Bedrock refusal was encountered at 6' bgs.

  - Release Area 6B: A release area centrally located along the western boundary of the site had previous TCE (5,300 µg/kg), Flouranthene (2,000 µg/kg), and PCBs (14,000 µg/kg) concentrations in excess of the RSR criteria. Borings RI-17 through RI-20 were advanced by direct-push on August 28, 2008, surrounding the previous boring B-11 at a distance of approximately 5' in north, east, south, and west directions, respectively. These borings were sampled for VOCs and PCBs. Bedrock refusal was encountered at 8' bgs in all borings.

  - Release Area 6C: A release area located on the southwest portion of the site had a previous ETPH concentration of 800 mg/kg, which is above RSR criteria. On August 28, 2008, one boring, RI-24, was advanced directly adjacent to the north of previous boring B-12. Bedrock refusal was encountered at 3' bgs.

  - Release Area 6D: A release area located north and west of the building on-site had previous concentrations of TCE (950 µg/kg) and tetrachloroethene (PCE) (780 µg/kg) above applicable RSR criteria. Four borings, RI-11 through RI-14 were advanced by direct-push, surrounding the previous boring B-15 at a distance of approximately 8' in northwest, northeast, southeast, and southwest directions, respectively. Borings in this area were sampled for VOCs. Bedrock refusal was encountered between 4.5' and 8' bgs.

  - Release Area 6E: A release area located adjacent to the southern side of the building had TCE (22,000 µg/kg) and PCE (870 µg/kg) concentrations above applicable RSR criteria. Four borings, RI-27 through RI-30 were advanced by direct-push on August 28, 2008, surrounding previous boring B-18 at a distance of approximately 10' in north, east, south, and west directions, respectively. Borings had bedrock refusal between 4' and 10' bgs.

  - PCB Release Areas
    Seven borings, RI-15, RI-21, RI-22, RI-23, RI-25, RI-26, and RI-31 were advanced by direct-push on August 28, 2008. These borings were placed in locations that had not been previously investigated on the western and southern portions of AOC-6 and evaluated potential for release of petroleum, PCBs, or VOCs from on-site spills. Twenty-three borings, PCB-1 through PCB-23, were advanced on October 27 and 29, 2008. These borings were placed in locations

that had not been previously investigated in order to assess potential PCB impacts along the site boundary. A groundwater sample was also collected from an existing well (MW-1) on October 29, 2008 and analyzed for PCBs.

- AOC-8 – Pesticide Use Area

Borings HR1-1, HR1-2, and HR1-3 were hand augured on September 3, 2008 to investigate if pesticides had been used along the western building foundation area Groundwater was not encountered during the advancement of the any of soil borings. Soil boring logs are included in Appendix A.

Soil samples from the borings were analyzed by TestAmerica of Westfield, Massachusetts for laboratory analysis. Samples were analyzed (from various depths) for the following parameters:

- Total Metals; lead, copper, zinc, and antimony: RI-1 through RI-5
- VOCs: RI-6 through RI-21, RI-24 through RI-30
- SPLP VOCs: RI-6 through RI-14, RI-16 through RI-21, RI-24 through RI-26, RI-28 through RI-30
- ETPH: RI-15, RI-21 through RI-26, RI-31
- Pesticides (Total): HRI-1, HRI-2, HRI-3
- PCBs (Total and/or SPLP): RI-15, RI-17 through RI-26, RI-31, PCB-1 through PCB-23

The analyses of the soil boring samples are summarized in Tables 1 through 5. The associated laboratory reports are provided in Appendix B.

4.2 Groundwater Sampling

One groundwater sample (MW-1) was collected on October 29, 2008. Low flow purging and sampling procedures were performed in accordance with the USEPA Region 1 Low Stress (low flow) Sampling Procedures dated July 1996 and the approved QAPP. Purging and sampling were performed using a bladder pump with a disposable bladder and dedicated polyethylene tubing. The pump intake depth was selected to coincide with the center-of-saturated-screen elevations. A copy of the field data sheet for the groundwater sampling is provided in Appendix C.

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 generally measured at five to ten 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 in accordance with the QAPP. The groundwater sample was analyzed for PCBs.

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 delivered to TestAmerica in Westfield, Massachusetts (a Connecticut-certified analytical laboratory).

Section 5 Hydrogeology

5.1 Geology

The Middlesex County Soil Survey classifies the surficial on-site soil as Udorthents. Udorthents refer to the urban soils that have extensively altered by cuttings or filling activities. This description is generally consistent with the observations made during field activities.

The shallow (less than 8' in depth) subsurface geology consists of two distinct units as follows:

- Fill materials
- Medium to fine brown compacted sand

Fill material, consisting of ash, coal, cinders, brick fragments, wood, and glass is found throughout the site. The ash, cinders, and construction materials are likely remnants of the former industrial building. The coal is a likely waste product from coal usage at the site or surrounding area.

The majority of these waste materials were likely used as fill during site development during the late 1800s and early 1900s. The fill exists to depths of 6' throughout the site; however, the thickness may be in excess of 8' or absent in selected areas of the site. The areas with increased fill thickness were likely topographically lower areas prior to the site development. The fill material is found above the water table.

Medium to fine sand is found immediately below grade of the fill. The sand becomes tighter and finer grade with increasing depth. In fact, drilling refusal was encountered between three to 12' below grade due to encountering bedrock. No groundwater was encountered in the overburden.

Bedrock was encountered between 2 and 12' below grade across the site during the Phase II ESA and this investigation. The bedrock in this area is classified as Brimfield Schist, based on the Connecticut Geological Survey Bedrock Map. Brimfield Schist is gray, rusty weathering, medium to coarse grained inter-layered schist and gneiss. The bedrock observed on-site was consistent with the Brimfield Schist designation.

5.2 Hydrology

According to the United States Geologic Survey Moodus Quadrangle 7.5 Minute Topographic Map, the elevation of the site is approximately 400' above sea level. The contours found on the USGS topographic map indicates a slight elevation slope in a southwesterly direction.

The nearest surface water body, Pocotopaug Creek, is located approximately 250' east of the site. The Pocotopaug Creek is classified by the State of Connecticut as C/B. Inland surface waters classified by the CTDEP as C/B are those that, due to point or non-point sources of pollution, currently do not meet certain Class B Water Quality Criteria or one or more designated uses. The water quality goal is achievement of Class B criteria and attainment of Class B designated uses. Class B waters are those known or presumed to meet Class B Water Quality Criteria that support the following designated

uses: recreational use; fish and wildlife habitat; agricultural and industrial supply and other legitimate uses, including navigation.

No groundwater was encountered during this investigation. Based on previous investigation, no overburden groundwater is located on the site. The groundwater table in the bedrock appears to follow a southwesterly direction toward Pocotopaug Creek as determined during the Phase II ESA. Based on the water table elevation and observed proximity of Pocotopaug Creek, groundwater likely discharges to the Creek. It was not possible to determine the quality of the bedrock material or orientation of fractures during the Phase II ESA. The groundwater flow direction through the bedrock is therefore uncertain.

Section 6 Remediation Criteria

Analytical results reported in this Partial Phase III ESA are compared to remediation criteria listed in the CTDEP Remediation Standard Regulations (RSRs). CTDEP'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:

- Connecticut General Statutes (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.

The site entered the Voluntary Remediation Program on December 27, 2006. An Environmental Condition Assessment Form was submitted with this enrollment. Subsequently, on January 28, 2008, the CTDEP delegated remediation oversight and verification to an LEP.

Specifically, the regulations provide that the RSRs do not apply to the following:

- The soil and water within the zone of influence of a groundwater discharge permitted under CGS Section 22a-43
- A release which has been remediated and which remediation has been approved in writing by the CTDEP
- Sites at which the only source of contamination results from the use or application of pesticides and fertilizers in accordance with labeling requirements

6.1 Soil Remediation Criteria

The CTDEP soil remediation criteria integrate two risk-based goals: (1) Direct Exposure Criteria (DEC) to protect human health and the environment from risks associated with direct exposure (ingestion) to contaminated soil; and (2) 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.

6.1.1 Direct Exposure Criteria

Specific numeric exposure criteria for a broad range of contaminants in soil have been established by the CTDEP, 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 CTDEP Commissioner. Buildings can be constructed and/or clean fill can be placed over contaminated soils rendering them inaccessible

The CTDEP 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.

6.1.2 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 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 CTDEP 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.

6.2 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 three major numeric components which are described herein include the following:

- Groundwater Protection Criteria (GWPC)
- Surface Water Protection Criteria SWPC)
- Volatilization Criteria (VC)

6.2.1 Groundwater Protection Criteria

The GWPC applies to all groundwater in a GA classified area. For GB groundwater areas, the CTDEP has made the risk management decision to not seek restoration of groundwater to drinking water protection criteria unless the existing uses include potable water supply. Numerous supply wells are located within a 500-foot buffer of the property. Therefore, the GWPC are applicable to the site.

6.2.2 Surface Water Protection Criteria

The SWPC applies to all groundwater which discharges to surface water. Groundwater at the site is classified by the CTDEP as GA. 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 CTDEP. The SWPC, therefore, will apply to the site.

6.2.3 Volatilization Criteria

The VC 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 which 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 VC in lieu of the residential VC 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 7 Results of Investigation

7. 1 Soil Analytical Results

Soil analytical results are summarized in Tables 1 through 5 and compared to:

- Residential Direct Exposure Criteria (RES DEC)
- Industrial/Commercial Direct Exposure Criteria (I/C DEC)
- Pollutant Mobility Criteria for GA Classified Groundwater Areas (GA PMC)
- Groundwater Protection Criteria (GWPC) for analysis by SPLP

7.1.1 Extractable Total Petroleum Hydrocarbons

Fourteen samples were collected and submitted to the laboratory for ETPH analysis. Five samples, RI-24 (0-2'), RI-24 (2-4'), RI-25 (0-1.5'), RI-26 (0-2'), and RI-26 (2-4'), had concentrations of ETPH ranging between 570 mg/Kg and 1,400 mg/Kg, which exceeded the RES DEC. All other samples had detected levels of ETPH below the applicable RSR criteria. Analytical results are summarized in Table 1.

7.1.2 Polychlorinated Biphenyls

Ninety-four samples, including five duplicate samples, were analyzed for PCBs.

Ten samples had PCBs reported above 50 mg/Kg, the federally regulated concentration for disposal under the Toxic Substances Control Act (TSCA). Seven samples had PCBs detected between the I/C DEC of 10 mg/Kg and 50 mg/Kg. Sixteen samples had PCBs reported between the RES DEC of 1 mg/Kg and the I/C DEC of 10 mg/Kg.

Four samples were analyzed for PCBs by SPLP. In three samples (PCB 10 0-3", PCB-11 0-3", PCB-12 0-3"), the reported concentrations (0.0052, 0.028, and 0.027 mg/L, respectively) exceeded the GA PMC of 0.0005 mg/L. The remaining sample locations were not evaluated with respect to the GA PMC. Further evaluation with respect to the GA PMC is necessary. All other samples were below applicable RSR criteria. Analytical results are summarized in Tables 1 and 2.

7.1.3 Volatile Organic Compounds

Thirty-nine samples, including three duplicate samples, were analyzed for VOCs. TCE was detected above the reporting limit in thirty-three of the thirty-nine samples. The concentrations (100,000 µg/kg and 77,000 µg/kg, respectfully) detected in two samples, RI-21 (2-4') and RI-24 (2-4') were above the RES DEC (56,000 µg/kg). The methylene chloride concentrations (ranging from 370 µg/kg to 590 µg/kg) detected three samples (RI-11 2-4', Dup-1 and RI-12 0-2') were above the GA PMC (100 µg/kg). These concentrations are likely due to laboratory contaminants. Regardless, the methylene chloride was not detected in subsequent SPLP analysis for RI-12 0-2'. Analytical results are summarized in Table 3. Further reporting of GA PMC exceedances is provided below under the SPLP section.

7.1.4 Metals

Eight samples were collected and analyzed for copper, lead, zinc, and antimony. All metal concentrations in the samples were below the RES DEC. The lead concentration in one sample, RI-5 (0-2'), was reported at 460 mg/Kg which exceeds the proposed RES

DEC of 400 mg/Kg, however, is less than the current RES DEC of 500 mg/Kg. Analytical results are summarized in Table 4.

7.1.5 Synthetic Precipitation Leaching Procedure VOCs

Twenty-nine samples, including two duplicate samples, were analyzed for SPLP VOCs. Fifteen samples had concentrations of TCE above the GWPC (5 µg/L). All other samples were below applicable RSR criteria. Analytical results are summarized in Table 5.

7.2 Groundwater

One groundwater sample was collected during this investigation. No PCBs were detected in the groundwater sample collected (MW-1). The reporting limit for this sample was 0.32 ug/L, which is below the GWPC of 0.5 ug/L.

Section 8 Quality Assurance / Quality Control

Field sampling quality assurance included the collection of duplicate 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.

8.1 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.

Eight duplicate samples were collected during the soil investigation at the site. The duplicates were analyzed for metals, VOCs, ETPH, PCBs and/or PAHs. Below is a list of the parent and duplicate sample pairs and their associated analyses:

<u>August 2008 Field Work</u>

Dup-1	RI-11 2-4'	Mass VOCs
Dup-2	RI-16 0-2'	Mass & SPLP VOCS
Dup-3	RI-19 0-2'	PCBs
Dup-4	RI-30 0-2'	Mass VOCs
Dup-5	RI-23 2-4'	PCBs & ETPH

<u>October 2008 Field Work</u>

Dup-1	PCB-10 1-2'	Mass PCBs
Dup-2	PCB-12 2-4'	Mass PCBs
Dup-3	PCB-16 2-4'	Mass PCBs

All detections in the duplicate and parent sample pairs were common between both sets of samples. No anomalous detections between pairs were found. For Dup-4 and Dup-5, the relative percent differences of detected concentrations and reporting limits are within acceptable limits. The remaining duplicate samples collected do have significant differences in contaminant concentrations detected. The cause of these discrepancies seems to be primarily due to the large area at which the split samples were collected. In general, samples were collected from a zero to two foot interval causing high variability in the sample concentrations. In general, the concentrations found in sample pairs were consistent with their exceedances or compliance with the RSRs. These deficiencies do not appear to affect the DQOs for this project.

8.2 Laboratory Quality Control

Upon review of the laboratory analytical data, the following quality control deficiencies were identified:

- In several samples, the method blanks contained VOCs above the reporting and/or method detection limits. These compounds included; 2-hexanone and methyl isobutyl ketone. Also, the continuing calibration verification was above

the upper control limit for several compounds (acetone, 2-butanone, and 2-hexanone).

- In several samples analyzed for metals, the laboratory flagged the result indicating a small amount of the analyte was detected in the laboratory blank sample.

- In two samples, the ETPH analyses failed surrogate recovery low. In one sample, the matrix spike recovery failed low.

- In one sample, the PCB analysis failed surrogate recovery high (due to a five times dilution from high concentration of samples). In one sample the matrix spike/duplicate recovery failed high.

- In several samples, the laboratory control sample concentrations for the SPLP analyses of some compounds were outside the RCP control limits. Also, the continuing calibration verification was above the upper control limit for several compounds. The initial calibration curve was also not within RCP limits for several compounds.

An analysis of the laboratory results, detected compounds, and collected samples affected by these quality control deficiencies was performed. 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 minor affected by these deficiencies and is sufficient to satisfy the DQOs for the project.

8.3 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; and
- Importance of nonconforming data relative to DQOs.

Multiple soil samples were collected throughout the site to provide characterization of the property. Laboratory analysis of soil and groundwater samples had sufficiently low detection limits in order to identify constituent concentrations approaching the RSR limits. It is unlikely additional COCs with detection limits above RSR limits would have been discovered during this investigation. Therefore, the DQOs of identifying the COCs exceeding RSR criteria were met. The matrix effects were not evident when conducting duplicate analysis on soil samples. The duplicates were similar in detections and concentrations with respect to RSR criteria compliance and/or exceedance. The matrix of each soil sample was similar and should not require additional analysis. The data derived from this ESA is usable and adequate for the project DQOs.

Section 9 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.

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 6. This investigation did not include any off-site investigations and thus potential off-site sources and/or migration have not been defined.

9.1 Description of Site, Environments, and AOCs

A description of the site, history, and operations as derived from the Phase I and II ESAs is provided in Section 3. A description of site hydrogeology is provided in Section 5.

The site building was originally built in 1910 to serve as a coal fired boiler powerhouse for the Summit Thread Company. The northern portion of the building was used as a coal pocket for coal storage. The 1925 Sanborn Fire Insurance Map depicts railroad tracks traversing the western perimeter of the property. Coal was unloaded from the railroad cars into the coal pocket. For many years, this section of the building did not contain a roof. The roof was present in 1959 when the building was under the management of Artistic Wire Products Company. The exact date of the roof installation is not known. The southern section of the building was roofed and contained the actual boiler. Little description is provided about the boiler house except for the steel roof trusses and concrete floor. The southern-most section of the building is identified as an "Independent Electric Plant" (IEP) on the 1936 Sanborn map. On-site spills and chemical releases as a result of these operations are likely to have occurred. In addition, the deposition of ash and coal fragments from the powerhouse, as well as nearby industrial plants, is likely to have affected the on-site soil quality.

In 1943, the building changed ownership to the Artistic Wire Products Company. Artistic Wire Products Company also owned the manufacturing buildings to the north of the property (formerly Summit Thread). The Sanborn Fire Insurance Map from 1959 depicts the northern section of the building as a factory building. The specific manufacturing

activities in the northern portion of the site are unknown. The southern portion of the building was used as storage.

Prior to the Town acquiring the property, it was the owned by Ghezzi Motors, Inc., and an auto body and auto repair shop. Historic photographs and accounts document the storage of multiple junk cars and parts throughout exterior and interior locations of the site. It is likely that automobile repair activities took place both inside and outside of the facility. Automobile fluid is likely to have historically leaked from these automobiles at multiple locations.

9.2 Nature and Extent of Contamination

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

9.2.1 Soil

The COCs detected in the soil at the site include: metals, ETPH, PCBs, PAHs, and VOCs. These detections were found in unsaturated soils ranging in depth from 0 to 7' below grade.

All of the COCs listed above were detected above regulatory criteria in one or more boring locations on the site (depicted on Figure 2). A summary of the analytical data from this investigation is provided in Tables 1 through 5. Locations of AOCs and release areas are depicted on Figure 3.

The on-site impacts are attributed to three factors:

- spills and chemicals releases during power generation and automotive repair and subsequently dispersed by on-site activities
- deposition of fill material
- spills and chemical releases associated with former wire production operations

Antimony

Antimony is a metal that is found at low levels in the environment. Small amounts of antimony are released into the environment by incinerators and coal combustion. Antimony is used as an alloy with lead and zinc in the manufacturing of lead storage batteries, solder, sheet and pipe materials, bearings, castings, and pewter.

The RES DEC is established at 27 mg/Kg. Antimony was detected at only one location within AOC-4 (Phase II boring B-2(1-2')) at a concentration, 43 mg/Kg exceeding the RES DEC standard during the Phase II ESA. Antimony was not detected after SPLP extraction. This result suggests that the antimony in this location will not leach into the subsurface at concentrations above the GWPC.

The source of antimony is believed to be from on-site wire production and/or fill material. B-2(1-2') was positioned in the former coal pocket storage area (AOC-4). Based on results from this investigation, this area has been delineated and is limited to a small area in the vicinity of former boring, B-2.

Copper

Copper is a metal that can occur at concentrations of 25 mg/Kg naturally in Connecticut soils. Copper is used as an alloy, in metal plating, in paint pigment, and in the manufacturing of electric wire and plumbing.

The RES DEC for copper is established at 2,500 mg/Kg. Copper was detected at only one location within AOC-4 (Phase II boring B-2(1-2')) at a concentration, 10,000 mg/Kg exceeding the RES DEC standard during the Phase II ESA. Despite the relatively high concentration, the sample did not exceed the GA PMC by the SPLP procedures for leaching potential.

The detections of copper are coincident with antimony suggesting the source is related to on-site manufacturing of copper wire and/or fill material. This activity was likely conducted on site during the operations of the Artistic Wire Company. The location of manufacturing activities is unknown. The high concentration of copper suggests copper wire manufacturing was performed in the northern section of the building. Based on results from this investigation, this area has been delineated and is limited to a small area in the vicinity of former boring, B-2.

Lead

Lead is a metal that is commonly found in soils. Lead is used in metal manufacturing, a base for paint, a component of gasoline, and a constituent of coal.

Lead was detected at only one location within AOC-4 (Phase II boring B-2(1-2')) at a concentration, 23 mg/Kg exceeding the RES DEC standard during the Phase II ESA. Elevated lead concentrations (above an assumed background range of 2.7 to 23 mg/Kg) were found near the former coal storage pocket. Two of the five samples analyzed by the SPLP extraction procedure for the leaching potential of lead, contained detectable concentrations. However, none of the samples exceeded the GA PMC. The source of the lead is believed to be from wire production and/or fill material. Based on results from this investigation, this area has been delineated and is limited to a small area in the vicinity of former boring, B-2.

Zinc

Zinc occurs naturally, however, most zinc concentrations have anthropogenic sources. Mining, smelting metals, and steel production, as well as burning coal and certain wastes can release zinc into the environment. High levels of zinc in soil may have resulted from former metal manufacturing industries and wire production.

Zinc was detected at only one location within AOC-4 (Phase II boring B-2(1-2')) at a concentration, 21,000 mg/Kg exceeding the RES DEC standard during the Phase II ESA Zinc was detected in the soil throughout the site. However, none of the samples exceeded the GA PMC. The source of the zinc is believed to be from wire production and/or fill material. Based on results from this investigation, this area has been delineated and is limited to a small area in the vicinity of former boring, B-2.

VOCs

VOCs have multiple industrial uses. The sources of the VOCs detected on site are most likely from metal degreasing, parts washing, and drying operations as well as spills and dumping of chemicals. Concentrations suggest a central use location in the building (AOC-5) and sporadic spill/dumping locations in exterior areas (AOC-6). Several release areas have been identified as a result of spills and/or dumping on the site.

Concentrations to the south of the building near a doorway, suggest that previous tenants may have dumped or spilled the constituent in this specific location. VOCs were detected in several locations on the site suggesting multiple release areas which still need to be defined.

ETPH

ETPH is a non-specific measure of hydrocarbons and can be attributed to ash or coal fragments in the fill material or residual petroleum compounds from a release to the environment. ETPH was detected throughout the site associated with AOC-6 (Exterior Areas). However, the detections found in the soil were not elevated enough to suggest a release from a large storage tank. Rather, the concentrations suggest the releases are the result of automobile storage and repair activities. Coal fragments and ash can also be a contributor of ETPH to the environment. Soil samples taken near the former coal pocket did not contain elevated concentrations of ETPH suggesting that coal did not contribute greatly to the ETPH detections in this area. Coal and/or ash fragments may be ETPH contributors in other areas of the site. ETPH was detected in several exterior locations on the site suggesting multiple release areas which still need to be defined.

PAHs

The potential sources of PAHs detected at the site include spills from petroleum products or the deposition from the incomplete combustion of coal or fill material. Flouranthene exceeded the GA PMC criteria at locations B-10(4-5') and B-11(0-2'). Flouranthene was not detected in the leachate of B-11(0-2') during SPLP extraction during the Phase II ESA.

It is believed the main source of the flouranthene is from the deposition of ash and coal fragments during coal combustion and disposal of ash byproducts. The exceedances were located at the exterior of the property on the western property line (AOC-6).

PCBs

PCBs were formerly used in various ways including hydraulic fluid, rubber plasticizers, synthetic resin plasticizers, and sealants and caulking compounds and can be present within electrical capacitors, hydraulic oils, electrical transformers, vacuum pumps and gas-transmission turbines. Although the production and sales was discontinued in the late 1970s, it is present in products still in use.

PCBs, in particular Aroclor 1254, were detected at numerous exterior locations throughout the site (AOC-6). The highest PCB concentrations detected are located at the terminus of the southern paved entry way to the site along Railroad Avenue at exterior locations. These concentrations exceeded both the I/C DEC and RES DEC. The exact source of the contaminant is unknown. Releases of automobile hydraulic fluid or transmission oil, the storage of electrical equipment and/or dumping of waste products are likely sources of the PCBs.

9.2.2 Groundwater

Based on previous groundwater flow directions, groundwater follows a southwesterly direction toward Pocotopaug Creek. One groundwater sample was collected during this investigation at the most downgradient well on the site. Since PCBs were reported in soil which exceeded the GA PMC, the sample was analyzed for PCBs. No PCBs were reported above the laboratory reporting limit of 0.32 µg/L.

9.3 Potential Release Mechanisms

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

- Metals: deposition and spills from historic industrial activities, fill materials, deposition of ash and coal fragment from coal combustion and disposal of ash by products, and leaching of coal from coal storage.
- PAHs: deposition of ash and coal fragment from coal combustion and fill materials containing contaminants.
- VOCs: spills and chemicals releases during power generation, wire manufacturing, and automobile repair activities
- ETPH: spills and chemicals releases during power generation, wire manufacturing, and automobile repair activities, deposition of ash and coal fragments from coal combustion and disposal of ash by products.
- PCBs: spills and chemical releases during power generation and automobile repair and storage activities and dispersion from on-site vehicle movement.

9.4 Migration Pathways

Potential migration pathways for each AOC are identified in Table 6. The migration pathway or transport mechanisms fall into two general types depending upon the sources. The first migration pathway consists of spills, leaks or deposition at ground surface with vertical migration to the water table, then horizontally with groundwater. The second migration pathway is contaminant transport through overland flow at the ground surface. Contaminants may then be discharged into the nearby Pocotopaug Creek where further travel may occur within the surface water. The migration pathways have not been completely defined during this Phase III ESA, especially to off-site receptors. The DQOs for this investigation were limited to defining the extent of soil contamination at the selected on-site AOCs.

9.5 Areas of Concern

A description and current status of each AOC is provided below. Locations of AOCs are shown on Figure 2. A summary of soil analytical data by AOC is provided in Tables 1 through 5. The conceptual site model is presented as Table 6.

- AOC 1 - Floor Drain: The floor drain in the central section of the building could present a conduit for contaminants to enter the environment from inside the building. The direction and extent of the floor drainage system is not known. The potential exists for groundwater and/or soil contamination near the floor drain, drain pipes, and discharge point. Elevated concentrations of ETPH and VOCs were identified in floor drain sediment at this location. This area was not evaluated during this investigation.

- AOC 2 - 300-gallon Aboveground Storage Tanks (ASTs) Location: Three 300-gallon ASTs were contained in the northern section of the building. Minor floor staining was observed in the former AST storage location. The condition of the tanks is unknown but the potential exists that the one of the tanks has leaked and adversely affected soil or groundwater quality at the site. Releases were not identified for this AOC during the Phase II ESA.

- AOC 3 - In-Ground Hydraulic Lift: An in-ground hydraulic lift is located in the northern section of the site. The lift has not been utilized for several years. However, the hydraulic fluids are still contained in the lift and present a potential environmental hazard. A determination of the presence or absence of a release at this location has not been made. This area was not evaluated during this investigation.

- AOC 4 - Former Coal Pocket Storage Area: The northern section of the building was used as an open pocket for coal storage. This area was not covered until the 1950s. Although the floor is concrete, there is a potential that coal constituents have historically leached into the soil and groundwater underlying the concrete slab. Based on the Phase II ESA, this area had metals concentrations which are above RSR criteria. During this investigation, none of the antimony, copper, lead, or zinc concentrations reported in soil samples collected from this area exceeded the RES DEC. Based on this information, it appears a small area of elevated metals is located in an approximately three foot by three foot area in the vicinity of Phase II ESA boring B-2 at a depth 1 to 2' below grade.

- AOC 5 - Interior Floor Stained Areas: Several areas of staining were documented during the site reconnaissance. Cracks in the concrete floor may provide a pathway for contaminants to migrate to the subsurface and environment. Based on the Phase II ESA, a release of TCE was identified in southwest section of the central portion of the building. During this investigation, none of the total TCE concentrations reported in soil samples collected from this area exceeded the RES DEC. The SPLP TCE concentrations (ranging from 12 ug/L to 190 ug/L) in three samples, RI-6 2-4', RI-7 0-2' and RI-8 0-2' exceeded the GWPC. The DEC exceedances in this area have been delineated to a limited area in the vicinity of Phase II ESA boring B-6. The exceedances of the GA PMC may extend beyond this area and should be further evaluated.

- AOC 6 - Exterior Areas: Current and historic site information suggests a potential for soil or groundwater contamination at the site exterior. Automobile and refuse storage has historically occurred on the property exterior. In addition, a railroad track formerly traversed the western portion of the property. Stressed vegetation and soil staining was documented during previous ESAs. Releases of VOCs, PAHs, PCBs, and ETPH have been documented in exterior areas located to the east, west and south of the building. During this investigation, the nature and extent of impacts to soils for the identified COCs were assessed for the following release areas:

  - Release Area 6A:

  A release of TCE was identified in the vicinity of Phase II ESA boring B-8 (adjacent to the western side of the building). None of the total TCE concentrations reported in the samples collected from this area exceeded the RES DEC. The contaminant concentrations in this release area are below their respective RSR criteria. No further investigation is necessary at this area.

  - Release Area 6B:

  A release of TCE, PAHs, and PCBs was identified in the vicinity of Phase II ESA boring B-11 (centrally located along the western boundary). None of the total TCE concentrations reported in the samples collected from this area exceeded the RES DEC. The SPLP TCE concentrations in this release area exceeded the GWPC. Further delineation of the TCE impacts in this area is necessary. The PCB

concentration (1.3 mg/Kg) reported in one sample RI-19 0-2' Duplicate, exceeded the RES DEC. The PCB and PAH impacts appear to be site wide and are discussed further below.

- Release Area 6C:

A release of ETPH was identified in the vicinity of Phase II ESA boring B-12 (southwest portion of the site). The PCB and ETPH concentrations which were verified and exceed the RES DEC and/or I/C DEC in this release area appear to be site wide. Future actions with respect to the release area will be addressed as part of the PCB Release Area as discussed below.

- Release Area 6D:

A release of PCBs, TCE, and PCE was identified in the vicinity of Phase II ESA boring B-15 (north and west of the building). None of the total TCE/PCE concentrations reported in soil samples collected from this area exceeded the RES DEC. The SPLP TCE concentrations (140 ug/L and 8.3 ug/L, respectively) in two samples, RI-12 0-2' and RI-13 0-2' exceeded the GWPC. The exceedances appear to extend slightly beyond this area to the west and possibly off-site. Additional delineation is necessary to determine if contamination extends further to the west. Future actions with respect to PCB impacts in this release area will be addressed as part of the PCB Release Area as discussed below.

- Release Area 6E:

A release of TCE and PCE was identified in the vicinity of Phase II ESA boring B-18 (adjacent to the south side of the building). The TCE concentration (77 mg/Kg) reported in one soil sample, RI-27 2-4' exceeded the RES DEC. The remainder of the total TCE concentrations were below the RES DEC. None of the SPLP VOC concentrations exceeded the GWPC. The VOC contamination in this area appears to be located near borings B-18 and RI-27 in the vicinity of the overhead door on the southern portion of the building. Additional delineation is necessary to determine if contamination extends further to the west.

- Release Area 6F:

One additional release area of TCE contamination (not previous identified in the Phase II ESA) was found in the vicinity of RI-21 (southwest of the building). Additional delineation of this area is necessary to determine the extent of the release.

- PCB Release Area

ETPH, PAH, and PCB contamination were reported in several areas on the southern portion of the site during the Phase II ESA and this investigation. These contaminants appear to be comingled and include Release areas 6C and 6D. The primary contaminant that will drive further remedial actions is PCBs. During the course of the initial portion of this investigation, PCBs were reported in soil in several locations at concentrations in excess of RSRs, as well as TSCA regulations pertaining to PCB cleanup (40 CFR Part 761) at a maximum concentration of 660 mg/Kg. In general, the PCB contamination is located on the entire southern portion of the site. Based on these initial results, additional PCB sampling was performed along the property boundary and is discussed further below. PCBs were found in shallow soils along a large section of the southern portion of the site. The highest concentrations (1,100 mg/Kg) of PCBs were located at boring RI-23/PCB-11. In general, the higher PCB concentrations on the site were located at a depth of less than one foot below grade. However, in certain areas,

PCB contamination is present to a depth of 4' below grade. PCB concentrations (both mass and SPLP) reported exceed both the RES DEC and GA PMC.

- AOC 7 – Former IEP and Storage Area: The Phase I site reconnaissance noted storage of industrial cleaners and petroleum product in the southern section of the building. The southern-most section of the building is identified as an "Independent Electric Plant" (IEP) on the 1936 Sanborn map. This area was used as temporary materials storage for J.C. Products. TCE and PCE were detected in soil above applicable RSR criteria at an exterior location adjacent to this AOC. This release will be addressed as part of AOC-6. The potential release of COCs in the interior areas of this AOC has not been evaluated. A determination of the presence or absence of a release at this location has not been made.

- AOC 8- Pesticide Use Area: No release of pesticides was identified.

Section 10 Summary and Recommendations

10.1 Summary

Tighe & Bond completed a partial Phase III ESA at 13 Watrous Street, East Hampton, CT. The purpose of this investigation was to further delineate the extent of selected release areas identified in Tighe & Bond's previous Phase II Investigation. Figure 3 depicts the release areas which have been delineated or partially delineated. Partial Phase III ESA results are summarized for the following AOCs investigated:

- AOC 4 - Former Coal Pocket Storage Area: The northern section of the building, in the vicinity of Phase II ESA boring B-2, was used as an open pocket for coal storage. Based on the Phase II ESA, this area had metals concentrations which are above RSR criteria. During this investigation, none of the antimony, copper, lead, or zinc concentrations reported in soil samples collected from this area exceeded the RES DEC. Elevated metals are located in an approximately three foot by three foot area at this location.
- AOC 5 - Interior Floor Stained Areas: A release of TCE was identified in southwest section, in the vicinity of Phase II ESA boring B-6, of the central portion of the building. The exceedances of the DEC have been delineated to a small area at this location. The exceedances of the GA PMC may extend slightly beyond this area.
- AOC 6 - Exterior Areas: Releases of VOCs, PAHs, PCBs, and ETPH have been documented in exterior areas located to the east, west and south of the building. During this investigation, the nature and extent of impacts to soils for the identified COCs were assessed for the following release areas:

  - Release Area 6A:

  A release of TCE located adjacent to the western side of the building, in the vicinity of Phase II ESA boring B-8, was identified. The further SPLP analysis of TCE in this release area indicates these concentrations are below their respective RSR criteria. No remedial action is necessary at this location.

  - Release Area 6B:

  A release of TCE, PCBs, and PAHs located along the western boundary of the site, in the vicinity of Phase II ESA boring B-11, was identified. Further delineation of the TCE impacts with respect to the GA PMC in this area is necessary. The PCBs and PAHs impacts were also identified at this location and will be addressed with the site-wide PCB Release Area discussed below.

  - Release Area 6C:

  A release of ETPH located on the southwest portion of the site, in the vicinity of Phase II ESA boring B-12, was identified. Future actions with respect to this release area will be addressed as part of the PCB Release Area as discussed below.

  - Release Area 6D:

  A release of TCE, and PCE located to the north and west of the building, in the vicinity of Phase II ESA boring B-15, was identified. Additional delineation of the VOC release with respect to the GA PMC is necessary to determine if contamination extends further to the west. Future actions with respect to PCB impacts in this release area will be addressed as part of the PCB Release Area as discussed below.

- Release Area 6E:

A release of TCE and PCE located adjacent to the south side of the building, in the vicinity of Phase II ESA boring B-18 was identified. Additional delineation is necessary to determine if contamination extends further to the west.

- Release Area 6F:

One additional release area of TCE contamination (not previous identified in the Phase II ESA, located southwest of the building) was found in the vicinity of Phase III ESA boring RI-21. Additional delineation of this area is necessary to determine the extent of the release.

- PCB Release Area

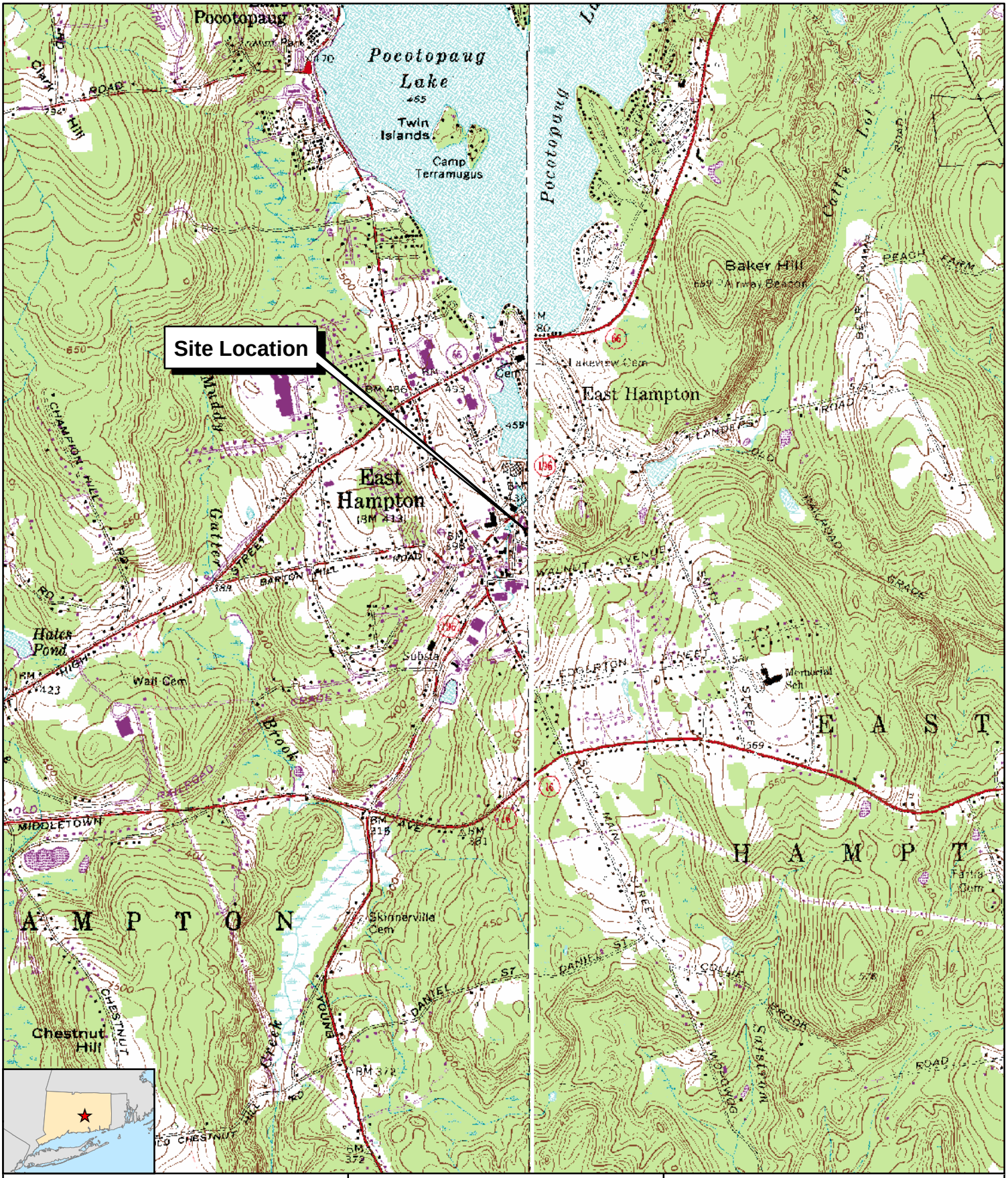
ETPH, PAH, and PCB contamination were reported in several areas on the southern portion. The ETPH and PAH releases are comingled with the PCBs. PCBs were found in shallow soils along a large section of the southern portion of the site. In general, the higher PCB concentrations on the site were located at a depth of less than one foot below grade. PCBs concentrations in excess of the RSR criteria extend to the property boundary. Additional delineation of this area is necessary to determine the extent of the release.

- AOC 8 – Pesticide Use Area: No release of pesticides was identified.

10.2 Recommendations

We recommend the completion of the Phase III ESA for the site. A work plan and QAPP should be developed to complete DQOs which were not met from this Partial Phase III ESA to include:

- Further delineation of releases located at AOC-6 to include Release Areas 6B, 6D, 6E, 6F and the PCB Release Area
- Evaluate potential for release from AOCs 1, 3, and 7
- Further evaluation of groundwater to determine potential impacts from the identified release areas and to better define fate and transport of contaminants
- Evaluation of potential impacts to off-site receptors to include potable wells, surface water, and sediments



LEGEND

Town of East Hampton
Former Summit Thread Powerhouse
13 Watrous Street
East Hampton, Connecticut

Source: U.S Geological Survey, in cooperation with Connecticut DEP, Office of Information Management

Based on USGS Topographic Map for Middle Hadam & Moodus, CT Quadrangles, Rev. 1984, 1:24,000

0 1,000 2,000 Feet

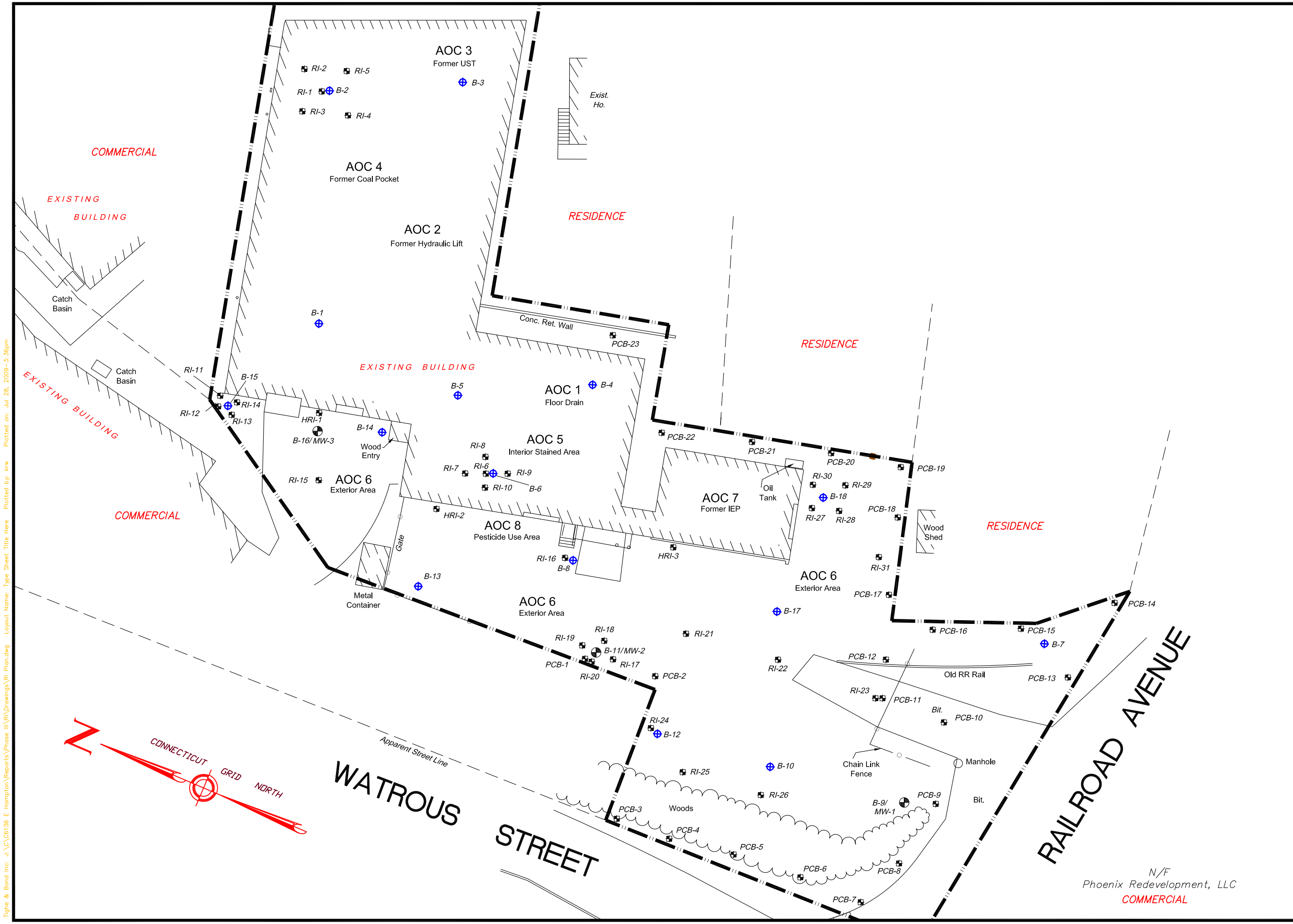
1 inch = 2,000 feet

Tighe&Bond

July 2009

FIGURE 1
SITE LOCATION MAP

G:\GIS\CT\SiteLocus\EastHamptonCT\13 Watrous Street\SiteLocus.mxd Date Last Updated: December 15, 2008 MLS



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(860) 704-4760
www.tighebond.com

LEGEND

- B-11/ MW-3 — Monitoring Wells
- B-10 — Phase II Soil Borings
- RI-9 PCB-9 — RI Soil Borings
- Property Boundry
- Surrounding Properties

Graphic Scale: 25 0 25

Former Summit Thread Powerhouse

East Hampton Connecticut

13 Watrous Street
East Hampton, CT

July 2009

Mark	Date	Description

PROJECT NO: 12-6136
FILE: RI Plan.dwg
DRAWN BY: KRW

Soil Boring and AOC Location Plan

SCALE: 1" = 25'

Figure 2

Tighe & Bond Inc: J:\C\C6136 E Hampton\Reports\Phase III\RI\Drawings\RI Plan.dwg Layout Name: Type Sheet Title Here Plotted by: krw Plotted on: Jul 28, 2009-3:36pm

Table 1

Summary of Soil Analytical Data for PCBs & ETPH

Partial Phase III ESA

13 Watrous St., East Hampton, CT

Parameter (mg/Kg)	RSR Criteria			August 28, 2008										
				RI-15	RI-15	RI-17	RI-18	RI-18	RI-19	DUP 3 (RI-19)	RI-19	RI-20	RI-21	RI-21
	RES DEC	I/C DEC	GA PMC	0-2'	2-4'	0-2'	0-2'	2-4'	0-2'	0-2'	2-4'	0-2'	0-2'	2-4'
PCBs	1	10	0.0005	<0.11	<0.1	0.39	<0.11	0.87	<0.11	**1.3**	0.33	0.7	<0.11	<0.1
ETPH	500	2,500	500	66	330	-	-	-	-	-	-	-	-	78

Parameter (mg/Kg)	Soil RSR Criteria			August 28, 2008										
				RI-22	RI-23	RI-23	DUP 5 (RI-23)	RI-24	RI-24	RI-25	RI-26	RI-26	RI-31	RI-31
	RES DEC	I/C DEC	GA PMC	0-2'	0-2'	2-4'	2-4'	0-2'	2-4'	0-1.5'	0-2'	2-4'	0-2'	2-4'
PCBs	1	10	0.0005	<0.11	**660**	**230**	**300**	**5.6**	**380**	**15**	**47**	**120**	**1.8**	ND<0.1
ETPH	500	2,500	500	100	360	260	180	**1,400**	**1,200**	**850**	**1,200**	**570**	67	4.6

Bold = Exceeds RSR Criteria

< = the laboratory reporting limit

"-" Not sampled

RES DEC = Residnetial Direct Exposure Criteria

I/C DEC = Industrial/Commercial Direct Exposure Criteria

GA PMC = GA Pollutant Mobility Criteria

ND = Not Detected

PCBs = Polychlorinated Biphenyls

ETPH = Extractable Total Petroleum Hydrocarbons

RSR = Remediation Standard Regulations

mg/Kg = Milligram per Kilogram

Table 2
Summary of Soil Analytical Data for PCBs Boundary Data
Partial Phase III ESA
13 Watrous Street, East Hampton, Connecticut

Parameter	RSR Criteria			October 27, 2008																	
				PCB-1			PCB-2			PCB-3			PCB-4			PCB-5			PCB-6		
	RES DEC	I/C DEC	GA PMC	0-3"	1-2'	2-4'	0-3"	1-2'	2-4'	0-3"	1-2'	2-4'	0-3"	1-2'	2-4'	0-3"	1-2'	2-3'	0-3"	1-2'	2-4'
PCBs (mg/Kg)	1	10	-	**12**	ND<0.042	ND<0.046	**21**	ND<0.044	<0.04	0.42	ND<0.036	0.42	0.54	**6.7**	ND<0.035	0.51	**3.4**	0.2	**23**	**7**	**3.8**
PCB SPLP (mg/L)	-	-	0.0005	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Parameter	RSR Criteria			October 27, 2008																	
				PCB-7			PCB-8			PCB-9			PCB-10			PCB-11			PCB -12		
	RES DEC	I/C DEC	GA PMC	0-3"	1-2'	2-4'	0-3"	1-2'	2-3'	0-3"	1-2'	2-3'	0-3"	1-2'	2-4'	0-3"	1-2'	2-4'	0-3"	1-2'	2-4'
PCBs (mg/Kg)	1	10	-	**2.5**	**1.3**	0.17	**470**	0.31	0.29	**190**	0.18	ND<0.039	**160**	0.23	ND<0.04	**1,100**	**37**	0.25	**610**	**1.1**	0.16
PCB SPLP (mg/L)	-	-	0.0005	-	-	-	-	-	-	-	-	-	**0.0052**	-	-	**0.028**	-	-	**0.027**	-	-

Parameter	RSR Criteria			October 27, 2008																	
				PCB-13			PCB-14			PCB-15			PCB-16			PCB-17			PCB-18		
	RES DEC	I/C DEC	GA PMC	0-3"	1-2'	4-6'	0-3"	1-2'	2-4'	0-3"	1-2'	2-4'	0-3"	1-2'	2-4'	0-3"	1-2'	2-4'	0-3"	1-2'	2-4'
PCBs (mg/Kg)	1	10	-	**9.60**	0.071	0.061	0.26	ND<0.049	ND<0.043	**1.3**	0.17	ND<0.038	**11**	ND<0.027	0.084	**1.5**	0.51	ND<0.045	**1.5**	ND<0.045	ND<0.041
PCB SPLP (mg/L)	-	-	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Parameter	RSR Criteria			October 27, 2008						October 29, 2008											
				PCB-19			PCB-20			PCB-21			PCB-22			PCB-23			Duplicates		
	RES DEC	I/C DEC	GA PMC	0-3"	1-2'	2-4'	0-3"	1-2'	2-4'	0-3"	1-2'	2-4'	0-3"	1-2'	2-4'	0-3"	1-2'	2-4'	Dup 1 PCB 10 1-2'	Dup 2 PCB 12 2-4'	Dup 3 PCB 16 2-4'
PCBs (mg/Kg)	1	10	-	0.6	ND<0.038	ND<0.043	0.37	ND<0.04	ND<0.037	0.93	0.32	0.48	**1**	**2.6**	0.29	ND<0.085	ND<0.077	ND<0.051	0.8	0.077	0.25
PCB SPLP (mg/L)	-	-	0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Bold = Exceeds RSR Criteria
< 470= the laboratory reporting limit
"-" Not sampled
RES DEC = Residnetial Direct Exposure Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria

ND = Not Detected
PCBs = Polychlorinated Biphenyls
RSR = Remediation Standard Regulations
GA PMC = GA Pollutant Mobility Criteria

mg/Kg = Milligram per Kilogram
mg/L - Milligram per Liter

Table 3
Summary of Soil Analytical Data for VOCs
Partial Phase III ESA
13 Watrous St., East Hampton, CT

Parameter	RSR Criteria			RI-6	RI-7	RI-8	RI-9	RI-10	RI-11	RI-11	DUP 1 (RI-11)	RI-12	RI-12	RI-13	RI-13	RI-14	RI-14	RI-16	DUP 2 (RI-16)	RI-16
	RES DEC	I/C DEC	GA PMC	2-4'	2-4'	0-2'	0-2'	0-2'	0-2'	2-4'	2-4'	0-2'	2-4'	0-2'	2-4'	0-2'	2-4'	0-2'	0-2'	2-4'
VOCs (µg/kg)																				
t-Butylbenzene	500,000	1,000,000	1,400	ND<310	ND<470	ND<230	ND<4	ND<250	ND<2.9	ND<180	ND<270	ND<180	ND<2.5	ND<150	ND<2.6	ND<5.3	ND<2.4	ND<9.3	ND<4.8	ND<2.8
cis-1,2-Dichloroethylene	500,000	1,000,000	1,400	ND<310	ND<470	ND<230	ND<4	ND<250	ND<2.9	ND<180	ND<270	ND<180	ND<2.5	210	ND<2.6	ND<5.3	ND<2.4	ND<9.3	ND<4.8	ND<2.8
Ethylbenzene	500,000	1,000,000	10,100	ND<310	ND<470	ND<230	ND<4	ND<250	ND<2.9	ND<180	ND<270	ND<180	ND<2.5	ND<150	ND<2.6	ND<5.3	ND<2.4	ND<9.3	ND<4.8	ND<2.8
Isopropylbenzene	500,000	1,000,000	600	ND<310	ND<470	ND<230	ND<4	ND<250	ND<2.9	ND<180	ND<270	ND<180	ND<2.5	ND<150	ND<2.6	ND<5.3	ND<2.4	ND<9.3	ND<4.8	ND<2.8
4-Isopropyltoluene	500,000	1,000,000	600	ND<310	ND<470	ND<230	ND<4	ND<250	ND<2.9	ND<180	ND<270	ND<180	ND<2.5	ND<150	ND<2.6	ND<5.3	ND<2.4	ND<9.3	ND<4.8	ND<2.8
Methylene chloride	82,000	760,000	100	ND<630	ND<940	ND<460	ND<8.1	ND<490	ND<5.8	**370**	**590**	**380**	ND<4.9	ND<300	ND<5.3	ND<11	ND<4.9	ND<19	ND<9.5	ND<5.7
Naphthalene	1,000,000	2,500,000	5,600	ND<3100	ND<4700	ND<2300	ND<40	ND<2500	ND<29	ND<1800	ND<2700	ND<1800	ND<25	ND<1500	ND<26	ND<53	ND<24	ND<93	ND<48	ND<28
n-Propylbenzene	500,000	1,000,000	1,400	ND<310	ND<470	ND<230	ND<4	ND<250	ND<2.9	ND<180	ND<270	ND<180	ND<2.5	ND<150	ND<2.6	ND<5.3	ND<2.4	ND<9.3	ND<4.8	ND<2.8
Tetrachloroethylene (PCE)	12,000	110,000	100	ND<310	740	ND<230	ND<4	ND<250	ND<2.9	ND<180	ND<270	ND<180	ND<2.5	ND<150	ND<2.6	ND<5.3	ND<2.4	ND<9.3	ND<4.8	ND<2.8
Toluene	500,000	1,000,000	20,000	ND<310	ND<470	ND<230	ND<4	ND<250	ND<2.9	ND<180	ND<270	ND<180	ND<2.5	ND<150	ND<2.6	ND<5.3	ND<2.4	ND<9.3	ND<4.8	ND<2.8
Trichloroethylene (TCE)	56,000	520,000	100	**12,000**	**27,000**	**22,000**	95	**11,000**	4.4	**220**	**2,800**	**2,400**	9.2	**2,300**	ND<2.6	7.1	ND<2.4	**300**	5.7	ND<2.8
1,2,4-Trimethylbenzene	500,000	1,000,000	700	ND<310	ND<470	ND<230	ND<4	ND<250	ND<2.9	ND<180	ND<270	ND<180	ND<2.5	ND<150	ND<2.6	ND<5.3	ND<2.4	ND<9.3	ND<4.8	ND<2.8
1,3,5-Trimethylbenzene	500,000	1,000,000	700	ND<310	ND<470	ND<230	ND<4	ND<250	ND<2.9	ND<180	ND<270	ND<180	ND<2.5	ND<150	ND<2.6	ND<5.3	ND<2.4	ND<9.3	ND<4.8	ND<2.8
m-Xylene & p-Xylene	500,000	1,000,000	195,000	ND<630	ND<940	ND<460	ND<8.1	ND<490	ND<5.8	ND<360	ND<530	ND<370	ND<4.9	ND<300	ND<5.3	ND<11	ND<4.9	ND<19	ND<9.5	ND<5.7
o-Xylene				ND<310	ND<470	ND<230	ND<4	ND<250	ND<2.9	ND<180	ND<270	ND<180	ND<2.5	ND<150	ND<2.6	ND<5.3	ND<2.4	ND<9.3	ND<4.8	ND<2.8

Samples collected on October 27, 2008 and October 29, 2008

Bold = Exceeds RSR Criteria
< 470= the laboratory reporting limit
"-" Not sampled
RES DEC = Residnetial Direct Exposure Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria
GA PMC = GA Pollutant Mobility Criteria

ND = Not Detected
VOCs = Volatile Organic Compounds
RSR = Remediation Standard Regulations
µg/kg = Microgram per Kilogram

Table 3
Summary of Soil Analytical Data for VOCs
Partial Phase III ESA
13 Watrous St., East Hampton, CT

Parameter	RSR Criteria			RI-17	RI-18	RI-18	RI-19	RI-19	RI-20	RI-21	RI-21	RI-24	RI-24	RI-25	RI-26	RI-26	RI-27	RI-27	RI-28
	RES DEC	I/C DEC	GA PMC	0-2'	0-2'	2-4'	0-2'	2-4'	0-2'	0-2'	2-4'	0-2'	2-3'	0-1.5'	0-2'	2-4'	0-2'	2-4'	0-2'
VOCs (µg/kg)																			
t-Butylbenzene	500,000	1,000,000	1,400	ND<3	ND<7.5	ND<4.8	ND<5.5	ND<2.9	ND<5.7	ND<5.2	ND<3	ND<3	ND<180	ND<13	ND<3.7	ND<170	ND<3.1	ND<3.5	ND<2.6
cis-1,2-Dichloroethylene	500,000	1,000,000	1,400	ND<3	ND<7.5	ND<4.8	ND<5.5	ND<2.9	ND<5.7	ND<5.2	9.3	ND<3	ND<180	ND<13	ND<3.7	ND<170	ND<3.1	ND<3.5	ND<2.6
trans-dichloroethylene	500,000	1,000,000	2,000	ND<3	ND<7.5	ND<4.8	ND<5.5	ND<2.9	ND<5.7	ND<5.2	ND<3	ND<3	ND<180	ND<13	ND<3.7	ND<170	ND<3.1	ND<3.5	ND<2.6
Ethylbenzene	500,000	1,000,000	10,100	ND<3	ND<7.5	ND<4.8	ND<5.5	ND<2.9	ND<5.7	ND<5.2	ND<3	ND<3	ND<180	ND<13	ND<3.7	ND<170	ND<3.1	ND<3.5	ND<2.6
Isopropylbenzene (Cumene)	500,000	1,000,000	600	ND<3	ND<7.5	ND<4.8	ND<5.5	ND<2.9	ND<5.7	ND<5.2	ND<3	ND<3	ND<180	ND<13	ND<3.7	ND<170	ND<3.1	ND<3.5	ND<2.6
4-Isopropyltoluene (p-Cymene)	500,000	1,000,000	600	ND<3	ND<7.5	ND<4.8	ND<5.5	ND<2.9	ND<5.7	ND<5.2	ND<3	ND<3	ND<180	ND<13	ND<3.7	ND<170	ND<3.1	ND<3.5	ND<2.6
Methylene chloride	82,000	760,000	100	ND<6	ND<15	ND<9.6	ND<11	ND<5.7	ND<11	ND<10	ND<6	ND<6	ND<360	ND<26	ND<7.3	ND<340	ND<6.2	ND<7	ND<5.3
Naphthalene	1,000,000	2,500,000	5,600	ND<30	ND<75	ND<48	ND<55	ND<29	ND<57	ND<52	ND<30	ND<30	ND<1800	ND<130	14	ND<1700	ND<31	ND<35	ND<26
n-Propylbenzene	500,000	1,000,000	1,400	ND<3	ND<7.5	ND<4.8	ND<5.5	ND<2.9	ND<5.7	ND<5.2	ND<3	ND<3	ND<180	ND<13	ND<3.7	ND<170	ND<3.1	ND<3.5	ND<2.6
Tetrachloroethylene (PCE)	12,000	110,000	100	ND<3	ND<7.5	ND<4.8	ND<5.5	ND<2.9	ND<5.7	ND<5.2	ND<3	ND<3	ND<180	ND<13	ND<3.7	ND<170	3.9	7.7	ND<2.6
Toluene	500,000	1,000,000	20,000	ND<3	ND<7.5	ND<4.8	ND<5.5	ND<2.9	ND<5.7	ND<5.2	ND<3	ND<3	ND<180	ND<13	ND<3.7	ND<170	ND<3.1	ND<3.5	ND<2.6
1,1,2-Trichloroethane	11,000	100,000	100	ND<3	ND<7.5	ND<4.8	ND<5.5	ND<2.9	ND<5.7	ND<5.2	ND<3	ND<3	ND<180	ND<13	ND<3.7	ND<170	ND<3.1	ND<3.5	ND<2.6
Trichloroethylene (TCE)	56,000	520,000	100	59	**790**	ND<4.8	**900**	59	**600**	**810**	**100,000**	6.6	**2,600**	ND<13	17	**580**	**54,000**	**77,000**	6.4
1,2,4-Trimethylbenzene	500,000	1,000,000	700	ND<3	ND<7.5	ND<4.8	ND<5.5	ND<2.9	ND<5.7	ND<5.2	ND<3	ND<3	ND<180	ND<13	ND<3.7	ND<170	ND<3.1	ND<3.5	ND<2.6
1,3,5-Trimethylbenzene	500,000	1,000,000	700	ND<3	ND<7.5	ND<4.8	ND<5.5	ND<2.9	ND<5.7	ND<5.2	ND<3	ND<3	ND<180	ND<13	ND<3.7	ND<170	ND<3.1	ND<3.5	ND<2.6
m-Xylene & p-Xylene	500,000	1,000,000	195,000	ND<6	ND<15	ND<9.6	ND<11	ND<5.7	ND<11	ND<10	ND<6	ND<6	ND<360	ND<26	ND<7.3	ND<340	ND<6.2	ND<7	ND<5.3
o-Xylene				ND<3	ND<7.5	ND<4.8	ND<5.5	ND<2.9	ND<5.7	ND<5.2	ND<3	ND<3	ND<180	ND<13	ND<3.7	ND<170	ND<3.1	ND<3.5	ND<2.6

Samples collected on October 27, 2008 and October 29, 2008

Bold = Exceeds RSR Criteria

< 470= the laboratory reporting limit

"-" Not sampled

RES DEC = Residnetial Direct Exposure Criteria

I/C DEC = Industrial/Commercial Direct Exposure Criteria

GA PMC = GA Pollutant Mobility Criteria

ND = Not Detected

VOCs = Volatile Organic Compounds

RSR = Remediation Standard Regulations

µg/kg = Microgram per Kilogram

Table 3
Summary of Soil Analytical Data for VOCs
Partial Phase III ESA
13 Watrous St., East Hampton, CT

Parameter	RSR Criteria			RI-28	RI-29	RI-29	RI-30	DUP 4 (RI-30)	RI-30
VOCs (µg/kg)	RES DEC	I/C DEC	GA PMC	2-4'	0-2'	2-4'	0-2'	0-2'	2-4'
t-Butylbenzene	500,000	1,000,000	1,400	ND<3.5	ND<6.5	ND<5.8	ND<3.1	ND<3.9	ND<7.9
cis-1,2-Dichloroethylene	500,000	1,000,000	1,400	ND<3.5	ND<6.5	ND<5.8	8.1	29	ND<7.9
trans-dichloroethylene	500,000	1,000,000	2,000	ND<3.5	ND<6.5	ND<5.8	ND<3.1	ND<3.9	ND<7.9
Ethylbenzene	500,000	1,000,000	10,100	ND<3.5	ND<6.5	ND<5.8	ND<3.1	ND<3.9	ND<7.9
Isopropylbenzene (Cumene)	500,000	1,000,000	600	ND<3.5	ND<6.5	ND<5.8	ND<3.1	ND<3.9	ND<7.9
4-Isopropyltoluene (p-Cymene)	500,000	1,000,000	600	ND<3.5	ND<6.5	ND<5.8	ND<3.1	ND<3.9	ND<7.9
Methylene chloride	82,000	760,000	100	5.1	ND<13	ND<12	ND<6.2	ND<7.9	ND<16
Naphthalene	1,000,000	2,500,000	5,600	ND<35	ND<65	ND<58	ND<31	ND<39	ND<79
n-Propylbenzene	500,000	1,000,000	1,400	ND<3.5	ND<6.5	ND<5.8	ND<3.1	ND<3.9	ND<7.9
Tetrachloroethylene (PCE)	12,000	110,000	100	ND<3.5	ND<6.5	ND<5.8	ND<3.1	ND<3.9	ND<7.9
Toluene	500,000	1,000,000	20,000	ND<5	ND<6.5	ND<5.8	ND<3.1	ND<3.9	ND<7.9
1,1,2-Trichloroethane	11,000	100,000	100	ND<3.5	ND<6.5	ND<5.8	ND<3.1	ND<3.9	ND<7.9
Trichloroethylene (TCE)	56,000	520,000	100	ND<5	16	22	**240**	**130**	52
1,2,4-Trimethylbenzene	500,000	1,000,000	700	ND<3.5	ND<6.5	ND<5.8	ND<3.1	ND<3.9	ND<7.9
1,3,5-Trimethylbenzene	500,000	1,000,000	700	ND<3.5	ND<6.5	ND<5.8	ND<3.1	ND<3.9	ND<7.9
m-Xylene & p-Xylene	500,000	1,000,000	195,000	ND<7	ND<13	ND<12	ND<6.2	ND<7.9	ND<16
o-Xylene				ND<3.5	ND<6.5	ND<5.8	ND<3.1	ND<3.9	ND<7.9

Samples collected on October 27, 2008 and October 29, 2008

Bold = Exceeds RSR Criteria

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"-" Not sampled

RES DEC = Residnetial Direct Exposure Criteria

I/C DEC = Industrial/Commercial Direct Exposure Criteria

GA PMC = GA Pollutant Mobility Criteria

ND = Not Detected

VOCs = Volatile Organic Compounds

RSR = Remediation Standard Regulations

µg/kg = Microgram per Kilogram

Table 4
Summary of Soil Analytical Data for Metals
Partial Phase III ESA
13 Watrous St., East Hampton, CT

Parameter	RSR Criteria		RI-1	RI-1	RI-2	RI-2	RI-3	RI-4	RI-5	RI-5
	RES DEC mg/kg	I/C DEC mg/kg	0-2'	2-4'	0-2'	2-4'	0-2'	0-2'	0-2'	2-4'
METALS (mg/Kg)										
Copper	2,500	76,000	720	54	31	22	45	47	280	120
Lead	500	1,000	110	22	1.8	1.6	6.5	8.4	460	61
Zinc	20,000	610,000	610	90	50	38	55	71	270	100
Antimony	27	8,200	1.8	ND<2.9	ND<2.7	ND<1.2	ND<1.1	ND<1.4	4.8	ND<0.59

Samples collected on October 27, 2008 and October 29, 2008

Bold = Exceeds RSR Criteria
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"-" Not sampled
RES DEC = Residnetial Direct Exposure Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria

ND = Not Detected
VOCs = Volatile Organic Compounds
RSR = Remediation Standard Regulations
mg/Kg = Milligram per Kilogram

Table 5
Summary of Soil Analytical Data for SPLP VOCs
Remedial Investigation
13 Watrous St., East Hampton, CT

Parameter	RSR Criteria	RI-6	RI-7	RI-8	RI-9	RI-10	RI-12	RI-12	RI-13	RI-13	RI-14	RI-16	Dup 2 (RI-16	RI-18	RI-19	RI-20
	GWPC	2-4'	2-4'	0-2'	0-2'	0-2'	0-2'	2-4'	0-2'	2-4'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'
SPLP VOCs (µg/L)																
Acetone	700	ND<10	ND<10	ND<10	ND<10	14	ND<20	ND<10	ND<10	18	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
Chloroform	6	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
cis-1,2-Dichloroethylene	70	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
Ethylbenzene	700	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
Methylene chloride	100	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	11	8.8	10	7.7	ND<5	8.7	ND<5	ND<5	ND<5
Methyl isobutyl ketone (MIBK)	350	ND<5	ND<5	ND<10	ND<10	ND<10	ND<10	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
Toluene	1,000	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
1,1,2-Trichloroethane	5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
Trichloroethylene (TCE)	5	**26**	**190**	**12**	ND<5	ND<5	**140**	ND<5	**8.3**	ND<5	ND<5	ND<5	ND<5	**7.6**	**86**	**36**

Parameter	RSR Criteria	RI-21	RI-21	RI-24	RI-24	RI-25	RI-26	RI-26	RI-28	RI-28	RI-29	RI-29	RI-30
	GWPC	0-2'	2-4'	0-2'	2-3'	0-2'	0-2'	2-4'	0-2'	2-4'	0-2'	2-4'	0-2'
SPLP VOCs (µg/L)													
Acetone	700	ND<10	ND<20	ND<10	ND<10	ND<10	ND<10	ND<10	29	ND<10	ND<10	12	ND<10
Chloroform	6	ND<5	ND<10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
cis-1,2-Dichloroethylene	70	ND<5	ND<10	ND<5	10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
Ethylbenzene	700	ND<5	ND<10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
Methylene chloride	100	ND<5	ND<10	ND<5	ND<5	7.6	9.7	7.5	ND<5	5.1	ND<5	5.5	8.1
Methyl isobutyl ketone (MIBK)	350	ND<5	ND<10	ND<10	ND<10	ND<5	ND<5	ND<5	14	ND<5	ND<5	ND<10	ND<5
Toluene	1,000	ND<5	ND<10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
1,1,2-Trichloroethane	5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
Trichloroethylene (TCE)	5	**70**	**120**	**11**	**74**	ND<5	ND<5	ND<5	ND<5	ND<5	**5.1**	ND<5	**6**

Samples collected October 27, 2008 and October 29, 2008

Bold = Exceeds RSR Criteria

< 470= the laboratory reporting limit

"-" Not sampled

GWPC = Groundwater Protection Criteria

SPLP Synthetic Precipitation Leaching Procedure

ND = Not Detected

VOCs = Volatile Organic Compounds

RSR = Remediation Standard Regulations

µg/L = Microgram per Liter

Table 6
Conceptual Site Model
Partial Phase III ESA
13 Watrous Street, East Hampton, CT

AOC	Description	Release			Release Mechanism	Migration Pathway	COCs and Affected Media		Exposure Pathway			Potential Receptors	Status				Comments
		Yes	No	Not Enough Data			Unsaturated Soils or Sediment	Groundwater	Volatilization	Ingestion/ Dermal Contact	Discharge to Surface Water		Delineated	Remediation Required	Additional Investigation Required	No Additional Work	
1	Floor Drain	X			Spills and chemical releases from site activities	The floor drain may provide a conduit to a direct discharge to soil, surface water or groundwater.	VOCs* (TCE, Toluene, Benzene, and PCE), ETPH*		X	X	X	Stream Sediments, Surface Water, Residential Drinking Wells			X		Additional investigation of soil along the piping associated with this drain and at its outlet is necessary
2	Former AST Storage Area		X													X	No release identified
3	Hydraulic Lift			X											X		No investigation has been conducted to date
4	Former Coal Pocket	X			Historic fill and coal storage	Deposition	Metals (copper, lead, antimony, and zinc)			X	X	Direct Contact	X	X		X	Area has been delineated. Small area located underneath the building
5	Interior Stained Area	X			Spills and chemical releases from site activities	Vertical migration to the water table, then horizontally with groundwater.	ETPH and VOCs (TCE and PCE)	TCE and PCE	X	X	X	Surface Water, Residential Drinking Wells		X	X		Additional delineation of TCE with respect to the GA PMC is necessary
6	Exterior Areas	X			Spills and chemical releases from site activities	Vertical migration to the water table, then horizontally with groundwater or transport through overland flow at the ground surface.	ETPH, VOCs (TCE and PCE), PCBs, and PAHs	TCE and PCE	X	X	X	Direct Contact, Surface Water, Residential Drinking Wells		X	X		Additional evaluation of ETPH, VOC, and PCB impacts necessary
7	Former IEP and Storage Area			X											X		No investigation has been conducted to date

Notes:
COCs - Constituents of Concern
VOCs - Votalite Organic Compounds
ETPH - Extractable Total Petroleum Hydrocarbons
PAHs - Polycyclic Aromatic Hydrocarbons
AST - Aboveground Storage Tank
IEP - Independent Electricity Plant
TCE - Trichloroethene
PCE - Tetrachloroethene
PCBs - Polychlorinated Biphenyls
GA PMC - Pollutant Mobility Criteria for GA groundwater areas
* Constiuents detected in sediments samples
AOC - Area of Concern

Well/Boring No.	PCB-1
Sheet 1 Of 23	

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**PCB Boundary Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	20"		6" - Dark Brown, medium SAND with organic material	Medium Sand	No Well Installed
				2" - Grey Rock	Rock	
				12" - Black, coarse to medium SAND	Coarse to Medium Sand	
2-4		16"		4" - Black/Dark Brown, coarse to medium SAND		
				12" - Light Brown, medium SAND with gravel	Medium Sand	
4-6'		24"		2" - Dark Brown, medium SAND with gravel	Medium Sand	
				22" - Light Brown/Red, medium to coarse SAND	Medium to Coarse Sand	
6-8'		24"		24" - Light Brown, medium to coarse SAND		
				Refusal @ 8'		

Notes:

Well/Boring No.	PCB-2
Sheet 2 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	22"		10" - Dark Brown/Black, medium SAND with gravel 12" - Dark Brown/Grey, medium SAND with gravel	Medium Sand	No Well Installed
2-4		20"		3" - Dark Brown, medium SAND with gravel 17" - Light Brown/Red, medium to fine SAND with silt	Medium to Fine Sand	
4-6'		24"		24" - Light Brown/Red, medium to coarse SAND	Medium to Coarse Sand	
6-8'		20"		20" - Light Brown, medium to coarse SAND Refusal @ 8'		

Notes:

Well/Boring No.	PCB-3
Sheet 3 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	23"		6" - Brown, medium SAND with organic material	Medium Sand	No Well Installed
				17" - Light Brown, medium to coarse SAND	Medium to Coarse Sand	
2-4		16"		16" - Brown/Light Brown, coarse SAND with gravel	Coarse Sand	
				Refusal @ 4'		

Notes:

Well/Boring No.	PCB-4
Sheet 4 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	21"		21" - Brown, medium SAND with organic material	Medium Sand	No Well Installed
				17" - Light Brown, medium to coarse SAND	Medium to Coarse Sand	
2-4		22"		16" - Brown/Light Brown, coarse SAND with gravel	Coarse Sand	
				Refusal @ 4'		

Notes:

Well/Boring No.	PCB-5
Sheet 5 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	18"		14" - Brown, medium SAND with organic material	Medium Sand	No Well Installed
				4" - Black, coarse SAND with gravel	Coarse Sand	
2-4		22"		8" - Brown/Grey, coarse SAND with gravel		
				Refusal @ 3'		

Notes:

Well/Boring No.	PCB-6
Sheet 6 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy		Well Construction
0-2'	Not Applicable	20"		20" - Dark Brown, medium SAND with organic material	Medium Sand		No Well Installed
2-4		16"		16" - Dark Brown, medium SAND with gravel			
				Refusal @ 4'			

Notes:

Well/Boring No.	PCB-7
Sheet 7 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	23"		13" - Dark Brown, medium SAND with organic material	Medium Sand	No Well Installed
				10" - Dark Brown/Black, medium SAND		
2-4		10"		10" - Light Brown, medium SAND with weather rock		
				Refusal @ 4'		

Notes:

Well/Boring No.	PCB-8
Sheet 8 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy		Well Construction
0-2'	Not Applicable	21"		10" - Dark Brown, medium SAND with organic material	Medium Sand		No Well Installed
				11" Brown, coarse to medium SAND	Coarse to medium Sand		
2-4		10"		10" - Light Brown, medium SAND with weathered rock	Medium Sand		
				Refusal @ 3'			

Notes:

Well/Boring No.	PCB-9
Sheet 9 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy		Well Construction
0-2'	Not Applicable	22"		10" - Dark Brown, coarse to medium SAND with gravel and organic material	Coarse to medium Sand		No Well Installed
				12" - Dark Brown, medium SAND	Medium Sand		
2-4		20"		7" - Dark Brown, medium SAND			
				13" - Light Brown, coarse SAND	Coarse Sand		
				Refusal @ 3.5'			

Notes:

Well/Boring No.	PCB-10
Sheet 10 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	22"		4" - Brown, medium SAND 7" - Dark Brown/Black, medium SAND with gravel 10" - Dark Brown medium SAND	Medium Sand	No Well Installed
2-4		22"		22" - Light Brown, medium to coarse SAND	Medium to Coarse Sand	
4-6'		22"		22" - Light Brown, medium SAND	Medium Sand	
6-8'		22"		22" - Light Brown, medium to fine SAND with gravel Refusal @ 8'	Medium to Fine Sand	

Notes:

Well/Boring No.	PCB-11
Sheet 11 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	22"		4" - Brown, medium SAND with organic material	Medium Sand	No Well Installed
				12" - Black, medium SAND		
				8" - Brown, medium SAND with silt		
2-4		16"		12" - Red/Brown, medium to coarse SAND	Medium to Coarse Sand	
				4" - Grey Rock		
				Refusal @ 4'		

Notes:

Well/Boring No.	PCB-12
Sheet 12 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy		Well Construction
0-2'	Not Applicable	23"		10" - Dark Brown, medium SAND with gravel	Medium Sand		No Well Installed
				7" - Black, medium to coarse SAND	Med/Crs Sand		
				7" - Brown, medium SAND with silt	Medium		
2-4		22"		22" - Light Brown, medium SAND with gravel			
4-6'		22"		20" - Light Brown, medium SAND with gravel			
				Refusal @ 6'			

Notes:

Well/Boring No.	PCB-13
Sheet 13 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	11"		11" - Dark Brown, medium SAND with gravel	Medium Sand	No Well Installed
2-4		0"		Void		
4-6'		8"		8" - Brown, medium SAND with cobbles Refusal @ 6'	Medium Sand	

Notes:

Well/Boring No.	PCB-13
Sheet 13 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	22"		8" - Dark Brown, medium SAND with organic material	Medium Sand	No Well Installed
				14" - Black/Dark Brown medium SAND with silt		
2-4		22"		4" Dark Brown, medium SAND with silt		
				18" - Brown, fine to medium SAND with silt	Fine to Medium Sand	
4-6'		12"		8" - Brown, medium SAND with gravel	Medium Sand	
				4" - Rock		
				Refusal @ 5'		

Notes:

Well/Boring No.	PCB-15
Sheet 15 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	22"		10" - Dark Brown, medium SAND with organic material	Medium Sand	No Well Installed
				12" - Black, coarse SAND with gravel	Coarse Sand	
2-4		22"		5" - Dark Brown Medium to coarse SAND	Med/Crs Sand	
				17" - Brown/Light Brown, medium SAND	Medium Sand	
4-6'		20"		20" - Light Brown, medium to coarse SAND with gravel	Medium to Coarse Sand	
				Refusal @ 6'		

Notes:

Well/Boring No.	PCB-16
Sheet 16 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	15"		6" - Dark Brown, medium SAND with organic material 9" - Black, medium SAND with gravel	Medium Sand	No Well Installed
2-4		17"		17" - Brown/Light Brown, medium to fine SAND	Medium to Fine Sand	
4-6'		20"		20" - Light Brown, medium to coarse SAND with gravel Refusal @ 6'	Medium to Coarse Sand	

Notes:

Well/Boring No.	PCB-17
Sheet 17 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	22"		4" - Brown, medium SAND with organic material	Medium Sand	No Well Installed
				12" - Black, medium SAND		
				8" - Brown, medium SAND with silt		
2-4		16"		12" - Red/Brown, medium to coarse SAND	Medium to Coarse Sand	
				4" - Grey Rock		
				Refusal @ 4'		

Notes:

Well/Boring No.	PCB-18
Sheet 18 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	20"		9" - Dark Brown, medium SAND with organic material	Medium Sand	No Well Installed
				8" - Brown, medium SAND with silt & gravel		
2-4		11"		11" -Brown, medium to coarse SAND with silt	Medium to Coarse Sand	
				Weathered rock		
				Refusal @ 3.5'		

Notes:

Well/Boring No.	PCB-19
Sheet 19 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	16"		5" - Dark Brown, medium SAND with organic material	Medium Sand	No Well Installed
				11" - Light Brown, medium SAND		
2-4		12"		18" - Light Brown, medium SAND with gravel		
4-6'		18"		20" - Light Brown, medium SAND with gravel		
				Weathered Rock		
				Refusal @ 5.5'		

Notes:

Well/Boring No.	PCB-20
Sheet 20 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613622**		
Date Started:	**10/27/2008**	Finished:	**10/27/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Geoprobe**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	10"		3" - Dark Brown, medium SAND with organic material	Medium Sand	No Well Installed
				7" - Brown, medium SAND with gravel		
2-4		20"		10" -Brown, medium SAND with gravel		
				10" -Light Brown, medium to fine SAND	Medium to Fine Sand	
				Refusal @ 4.5'		

Notes:

Well/Boring No.	PCB-21
Sheet 21 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	
Driller:	

Job Number:	**12 613622**		
Date Started:	**10/29/2008**	Finished:	**10/29/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Hand Tools**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy	Well Construction
0-2'	Not Applicable	20"		10" - Dark Brown, medium SAND with organic material	Medium Sand	No Well Installed
				10" - Brown, medium SAND with organic material		
2-4		12"		12" - Brown, medium to coarse SAND with gravel	Medium to Coarse Sand	
				Refusal @ 3.5'		

Notes:

Well/Boring No.	PCB-22
Sheet 22 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	
Driller:	

Job Number:	**12 613622**		
Date Started:	**10/29/2008**	Finished:	**10/29/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Hand Tools**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy		Well Construction
0-2'	Not Applicable	22"		11" - Dark Brown, medium SAND with organic material	Medium Sand		No Well Installed
				11" - Brown, medium SAND with organic material			
2-4		16"		16" - Brown, medium SAND	Medium to Coarse Sand		
				Refusal @ 4'			

Notes:

Well/Boring No.	PCB-23
Sheet 23 Of	23

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Inc., Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	
Driller:	

Job Number:	**12 613622**		
Date Started:	**10/29/2008**	Finished:	**10/29/2008**
T&B Inspector:	**KRW**		
Rig Type:	**Hand Tools**		
Groundwater Depth:	Not encountered		

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recovery (In.)	PID	Sample Description	General Stratigraphy		Well Construction
0-2'	Not Applicable	16"		16" - Dark Brown, medium SAND with gravel	Medium Sand		No Well Installed
2-4		6"		6" - Dark Brown, medium SAND with gravel			
				Refusal @ 3'			

Notes:

Well/Boring No.	RI-1
Sheet 1 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**	Job Number:	**12 613620**
Client:	**East Hampton, Connecticut**	Date Started:	**8/28/2008** Finished: **8/28/2008**
Purpose:	**Remediation Investigation**	T&B Inspector:	**KRW/MMS**
Drilling Contractor:	**Logical Environmental Services, LLC**	Rig Type:	**Geoprobe**
Driller:	**Cindy/Wayne**	Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	18.5	0.0	Top 8.5 '' - Concrete floor	CONCRETE	No Well Installed
				Bottom 9 ''- Light brown, C SND + F GVL, lt med gvl		
2-3		9	0.0	Light brown, C SND, very weathered pale yellow schist bedrock with sulfur odor	COARSE SAND	
				Refusal @ 3'bgs		
				End of Boring @ 3'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-2
Sheet 2 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**	Job Number:	**12 613620**
Client:	**East Hampton, Connecticut**	Date Started:	**8/28/2008** Finished: **8/28/2008**
Purpose:	**Remediation Investigation**	T&B Inspector:	**KRW/MMS**
Drilling Contractor:	**Logical Environmental Services, LLC**	Rig Type:	**Geoprobe**
Driller:	**Cindy/Wayne**	Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	24	0.0	Top 6 " - Concrete floor	CONCRETE	No Well Installed
				Bottom 18 "- Orange brown, C SND + F GRL, sm rock fragments of muscovite and feldspar with slight sulfur odor	COARSE SAND	
2-3		8	0.0	Orange brown, MED SND, sm f snd, lt f grl	MEDIUM SAND	
				Refusal @ 3'bgs		
				End of Boring @ 3'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-3
Sheet 3 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613620**
Date Started:	**8/28/2008** Finished: **8/28/2008**
T&B Inspector:	**KRW/MMS**
Rig Type:	**Geoprobe**
Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	24	0.0	Top 6 " - Concrete floor	CONCRETE	No Well Installed
				Bottom 18 "- Light brown, MED SND, sm rock fragments of schist + quartz	MEDIUM SAND	
				Refusal @ 2'bgs		
				End of Boring @ 2'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-4
Sheet 4 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613620**
Date Started:	**8/28/2008** Finished: **8/28/2008**
T&B Inspector:	**KRW/MMS**
Rig Type:	**Geoprobe**
Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	16	0.0	Top 6 " - Concrete floor	CONCRETE	No Well Installed
				Bottom 10 "- Med brown, MED SND, sm rock fragments of muscovite	MEDIUM SAND	
				Refusal @ 2'bgs		
				End of Boring @ 2'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-5
Sheet 5 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613620**
Date Started:	**8/28/2008** Finished: **8/28/2008**
T&B Inspector:	**KRW/MMS**
Rig Type:	**Geoprobe**
Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable		0.0	Top 6 '' - Concrete floor	CONCRETE	No Well Installed

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-6
Sheet 6 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613620**
Date Started:	**8/28/2008** Finished: **8/28/2008**
T&B Inspector:	**KRW/MMS**
Rig Type:	**Geoprobe**
Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	10	NA	Fill from previous boring-#2 QUATRTZ SND, rock fragments	#2 QUARTZ SAND	No Well Installed
2-3		16	NA	Top 14"- #2 QUARTZ SND		
				Bottom 2"- Black-brown, MED SND	MEDIUM SAND	
				Refusal @ 3'bgs		
				End of Boring @ 3'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-7
Sheet 7 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613620**
Date Started:	**8/28/2008** Finished: **8/28/2008**
T&B Inspector:	**KRW/MMS**
Rig Type:	**Geoprobe**
Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	24	NA	Fill from previous boring-#2 QUATRTZ SND, rock fragments	#2 QUARTZ SAND	No Well Installed
2-3.5		24	NA	Top 20"- #2 QUARTZ SND		
				Bottom 4"- Black-brown, MED SND		
					MEDIUM SAND	
				Refusal @ 3.5'bgs		
				End of Boring @ 3.5'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-11
Sheet 8 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613620**
Date Started:	**8/28/2008** Finished: **8/28/2008**
T&B Inspector:	**KRW/MMS**
Rig Type:	**Geoprobe**
Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	12	0.0	Med brown, C SND, lt rock fragments	COARSE SAND	No Well Installed
2-4		15	0.0	Light brown, F SND, lt cl, lt rock fragments	FINE SAND	
4-4.5		5	0.0	Orange brown, moist, MED SND, lt cl, lt rock fragments	MEDIUM SAND	
				Refusal @ 4.5'bgs		
				End of Boring @ 4.5'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-12
Sheet 9 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613620**
Date Started:	**8/28/2008** Finished: **8/28/2008**
T&B Inspector:	**KRW/MMS**
Rig Type:	**Geoprobe**
Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	18	0.0	Top 7"- Light brown top soil, sm organics, MED SND	MEDIUM SAND	No Well Installed
			2.6	Middle 6"- Black, C SND, sm med snd	COARSE SAND	
			0.0	Bottom 5"- Orange brown, MED SND, sm f snd	MEDIUM SAND	
2-4		24	3.4	Top 2"- Black C + MED SND		
				Middle 7"- Tan, CL, sm f snd	CLAY	
				Bottom 15"- Light brown, C SND, sm med snd, sm rock fragments	COARSE SAND	
4-5		6	0.0	Top 5"- Light tan-brown CL, sm f snd, sm med snd	CLAY	
				Bottom 1"- fractured bedrock	BEDROCK	
				Refusal @ 5'bgs		
				End of Boring @ 5'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-13
Sheet 10 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613620**
Date Started:	**8/28/2008** Finished: **8/28/2008**
T&B Inspector:	**KRW/MMS**
Rig Type:	**Geoprobe**
Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	19	0.0	Top 12"- Dark brown-black MED SND, sm f gvl	MEDIUM SAND	No Well Installed
				Bottom 7"- Orange brown, MED SND, sm c snd		
2-4		24	3.4	Top 3"- Black C SND	COARSE SAND	
				Middle 11"- Light brown-tan C SND		
				Bottom 10"- Tan, CL, sm f snd	CLAY	
4-5.5		15	0.0	Top 3"- Orange brown, MED SND, sm f snd	MEDIUM SAND	
				Middle 6"- Black, MED SND, sm c snd		
				Bottom 6"- Light brown MED SND, lt rock fragments, fractured bedrock	BEDROCK	
				Refusal @ 5.5'bgs		
				End of Boring @ 5.5'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Well/Boring No.	RI-14
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TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613620**
Date Started:	**8/28/2008** Finished: **8/28/2008**
T&B Inspector:	**KRW/MMS**
Rig Type:	**Geoprobe**
Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	16	0.0	Top 15"- Med brown, MED SND, sm rock fragments Bottom 1"- Black, MED SND, sm c snd, sm f snd	MEDIUM SAND	No Well Installed
2-4		24	0.0	Med brown, dry, C SND, sm med snd	COARSE SAND	
4-6		16	0.0	Dark med brown, MED SND, sm f snd, lt cl, lt f gvl	MEDIUM SAND	
6-7.5		12	0.0	Orange brown, moist, MED SND, sm c snd, sm rock fragments Refusal @ 7.5'bgs		
				End of Boring @ 7.5'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-15
Sheet 12 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613620**
Date Started:	**8/28/2008** Finished: **8/28/2008**
T&B Inspector:	**KRW/MMS**
Rig Type:	**Geoprobe**
Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	9	0.0	Top 3"- Asphalt	ASPHALT	No Well Installed
				Bottom 6"- Med brown, moist, C SND, sm med snd	COARSE SAND	
2-4		11	0.0	Med brown, moist, MED SND, sm c snd	MEDIUM SAND	
4-6		24	0.0	Top 7" - Dark brown-black C SND, sm f gvl, lt med snd	COARSE SAND	
				Bottom 17"- Orange brown, MED SND	MEDIUM SAND	
				Refusal @ 6'bgs		
				End of Boring @ 6'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**	Job Number:	**12 613620**
Client:	**East Hampton, Connecticut**	Date Started:	**8/28/2008** Finished: **8/28/2008**
Purpose:	**Remediation Investigation**	T&B Inspector:	**KRW/MMS**
Drilling Contractor:	**Logical Environmental Services, LLC**	Rig Type:	**Geoprobe**
Driller:	**Cindy/Wayne**	Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	24	0.0	Layered dark brown + black, C SND, sm med snd	COARSE SAND	No Well Installed
2-4		24	0.0	Yellow-red brown, C SND, sm med snd, lt f snd		
4-6		18	0.0	Top 10" - Med brown MED SND, lt rock fragments Bottom 8"- Black, MED SND, sm rock fragments	MEDIUM SAND	
				Refusal @ 6'bgs End of Boring @ 6'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-17
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TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613620**
Date Started:	**8/28/2008** Finished: **8/28/2008**
T&B Inspector:	**KRW/MMS**
Rig Type:	**Geoprobe**
Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	24	0.0	Med red-brown, dry, MED SND, sm c snd, lt f gvl, lt rock fragments	MEDIUM SAND	No Well Installed
2-4		14	0.0	Med -red brown, dry, MED SND, sm f gvl, lt rock fragments		
4-6		16	0.0	Top 8" - Orange brown, MED SND, sm c snd		
				Middle 1 "- Rock fragments	ROCK FRAGS	
				Bottom 7"-Dark brown, C SND, sm f gvl, lt rock fragments	COARSE SAND	
6-7		12	0.0	Top 2" - Black, dry, C SND, tr f gvl		
				Bottom 10"-Light brown-tan, MED SND, lt f snd, tr rock fragments	MEDIUM SAND	
				Refusal @ 7'bgs		
				End of Boring @ 7'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**	Job Number:	**12 613620**
Client:	**East Hampton, Connecticut**	Date Started:	**8/28/2008** Finished: **8/28/2008**
Purpose:	**Remediation Investigation**	T&B Inspector:	**KRW/MMS**
Drilling Contractor:	**Logical Environmental Services, LLC**	Rig Type:	**Geoprobe**
Driller:	**Cindy/Wayne**	Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	24	0.0	Top 8" - Med brown, dry, MED SND	MEDIUM SAND	No Well Installed
				Middle 8"- Black, dry, C SND, sm rock fragments, lt f gvl	COARSE SAND	
				Bottom 8 "- Dark gray-brown, dry, C SND, sm rock fragments, lt f gvl, lt med snd		
2-4		20	0.0	Top 8 " - Dark red-brown, moist, MED SND, tr f gvl, tr c snd	MEDIUM SAND	
				Bottom 12"- Orange brown, MED SND, tr cl, tr f gvl		
4-6		24	0.0	Light brown, C SND, sm med snd, tr cl, tr slt, tr f gvl	COARSE SAND	
6-7.5		18	0.0	Top 5" - Tan, C SND, lt med snd		
				Middle 3"- Dark brown, C SND		
				Bottom 10"- Med brown, moist, MED SND, sm c snd	MEDIUM SAND	
				Refusal @ 7.5'bgs		
				End of Boring @ 7.5'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**	Job Number:	**12 613620**
Client:	**East Hampton, Connecticut**	Date Started:	**8/28/2008** Finished: **8/28/2008**
Purpose:	**Remediation Investigation**	T&B Inspector:	**KRW/MMS**
Drilling Contractor:	**Logical Environmental Services, LLC**	Rig Type:	**Geoprobe**
Driller:	**Cindy/Wayne**	Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	24	0.0	Top 7"- Red-brown, dry, MED SND, tr slt	MEDIUM SAND	No Well Installed
				Middle 11"- Black, dry, C SND, lt f gvl	COARSE SAND	
				Bottom 6"- Light red-brown, dry, C SND		
2-4		24	0.0	Med brown, moist, C SND, sm med snd, lt f gvl, tr cl		
4-6		22	0.0	Top 18" - Dark brown, moist, C SND, sm med snd, lt f gvl		
				Bottom 4"-Tan, MED SND	MEDIUM SAND	
6-7.5		18	0.0	Tan, moist, MED SND		
				Refusal @ 7.5'bgs		
				End of Boring @ 7.5'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**	Job Number:	**12 613620**
Client:	**East Hampton, Connecticut**	Date Started:	**8/28/2008** Finished: **8/28/2008**
Purpose:	**Remediation Investigation**	T&B Inspector:	**KRW/MMS**
Drilling Contractor:	**Logical Environmental Services, LLC**	Rig Type:	**Geoprobe**
Driller:	**Cindy/Wayne**	Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	18	0.0	Med brown, moist, C SND, sm med snd, tr brick fragments	COARSE SAND	No Well Installed
2-4		12	0.0	Dark red-brown, MED SND, sm c snd, lt f gvl, tr cl	MEDIUM SAND	
4-6		18	0.0	Light gray-brown, C SND, sm med snd, tr rock fragments	COARSE SAND	
6-7.5		16	0.0	Dark red-brown, moist, C SND, lt rock fragments		
				Refusal @ 7.5'bgs		
				End of Boring @ 7.5'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-21
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TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**	Job Number:	**12 613620**
Client:	**East Hampton, Connecticut**	Date Started:	**8/28/2008** Finished: **8/28/2008**
Purpose:	**Remediation Investigation**	T&B Inspector:	**KRW/MMS**
Drilling Contractor:	**Logical Environmental Services, LLC**	Rig Type:	**Geoprobe**
Driller:	**Cindy/Wayne**	Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	24	3.8	Dark black-brown, moist, C SND, sm med snd, lt f gvl, tr rock fragments	COARSE SAND	No Well Installed
2-4		24	3.0	Dark black-brown, moist, C SND, sm f gvl, lt rock fragments		
4-6		24	4.5	Dark brown-black, moist, C SND, sm f gvl, tr med gvl, tr rock fragments		
				Refusal @ 6'bgs		
				End of Boring @ 6'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613620**
Date Started:	**8/28/2008** Finished: **8/28/2008**
T&B Inspector:	**KRW/MMS**
Rig Type:	**Geoprobe**
Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	24	0.0	Black, moist, C SND, sm med snd, tr f gvl	COARSE SAND	No Well Installed
2-4		24	0.0	Top 4"- Black, C SND, sm med gvl, lt f gvl Bottom 20 "- Red-brown, moist, C SND, sm f gvl		
				Refusal @ 4'bgs End of Boring @ 4'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-23
Sheet 20 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**	Job Number:	**12 613620**
Client:	**East Hampton, Connecticut**	Date Started:	**8/28/2008** Finished: **8/28/2008**
Purpose:	**Remediation Investigation**	T&B Inspector:	**KRW/MMS**
Drilling Contractor:	**Logical Environmental Services, LLC**	Rig Type:	**Geoprobe**
Driller:	**Cindy/Wayne**	Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	24	0.0	Top 3"- Brown, moist, MED SND, sm rock fragments	MEDIUM SAND	No Well Installed
				Middle 10"- Black, moist, C SND, sm med snd	COARSE SAND	
				Bottom 11"- Brown, moist, C SND, lt rock fragments		
2-4		20	NA	Brown, moist, MED SND, sm f snd, tr c snd, tr f gvl	MEDIUM SAND	
				Refusal @ 4'bgs		
				End of Boring @ 4'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-24
Sheet 21 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**	Job Number:	**12 613620**
Client:	**East Hampton, Connecticut**	Date Started:	**8/28/2008** Finished: **8/28/2008**
Purpose:	**Remediation Investigation**	T&B Inspector:	**KRW/MMS**
Drilling Contractor:	**Logical Environmental Services, LLC**	Rig Type:	**Geoprobe**
Driller:	**Cindy/Wayne**	Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	24	NA	Red-brown, moist, F SND, lt cl, lt med snd	FINE SAND	No Well Installed
2-3		10	NA	Dark red-brown-black, moist, MED SND, lt c snd, tr cl, tr slt	MEDIUM SAND	
				Refusal @ 3'bgs		
				End of Boring @ 3'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-25
Sheet 22 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**	Job Number:	**12 613620**
Client:	**East Hampton, Connecticut**	Date Started:	**8/28/2008** Finished: **8/28/2008**
Purpose:	**Remediation Investigation**	T&B Inspector:	**KRW/MMS**
Drilling Contractor:	**Logical Environmental Services, LLC**	Rig Type:	**Geoprobe**
Driller:	**Cindy/Wayne**	Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-1.5	Not Applicable	18	0.0	Black-brown, moist, C SND, sm f gvl, lt rock fragments	COARSE SAND	No Well Installed
				Refusal @ 1.5'bgs		
				End of Boring @ 1.5'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-26
Sheet 23 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613620**
Date Started:	**8/28/2008** Finished: **8/28/2008**
T&B Inspector:	**KRW/MMS**
Rig Type:	**Geoprobe**
Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	14	NA	Light brown, dry, MED SND, lt c snd, tr slt	MEDIUM SAND	No Well Installed
2-4		16	NA	Top 14"- Brown, moist, MED SND, tr slt, tr f snd Bottom 2"- Fractured rock composed of feldspar and quartz	FRACTURED ROCK	
4-5.5		12	NA	fragments Refusal @ 5.5'bgs	COARSE SAND	
				End of Boring @ 5.5'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-27
Sheet 24 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613620**
Date Started:	**8/28/2008** Finished: **8/28/2008**
T&B Inspector:	**KRW/MMS**
Rig Type:	**Geoprobe**
Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	20	2.9	Dark brown, moist, C SND, lt med snd, tr fill (brick + glass)	COARSE SAND	No Well Installed
2-4		24	3.7	Med brown, moist, C SND, sm med snd, tr rock fragments		
				Refusal @ 4'bgs		
				End of Boring @ 4'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-28
Sheet 24 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**
Client:	**East Hampton, Connecticut**
Purpose:	**Remediation Investigation**
Drilling Contractor:	**Logical Environmental Services, LLC**
Driller:	**Cindy/Wayne**

Job Number:	**12 613620**
Date Started:	**8/28/2008** Finished: **8/28/2008**
T&B Inspector:	**KRW/MMS**
Rig Type:	**Geoprobe**
Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	24	0.0	Brown, moist, MED SND, lt rock fragments	MEDIUM SAND	No Well Installed
2-4		24	0.0	Brown, moist, MED SND, lt c snd		
4-6		24	0.0	Brown, moist, MED SND, tr rock fragments, tr c snd		
6-8		24	0.0	Brown, moist, MED SND, sm f gvl, lt rock fragments		
8-10		24	0.0	Gray-tan, very moist, MED SND, lt rock fragments, lt f snd		
				End of Boring @ 10'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-29
Sheet 26 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**	Job Number:	**12 613620**
Client:	**East Hampton, Connecticut**	Date Started:	**8/28/2008** Finished: **8/28/2008**
Purpose:	**Remediation Investigation**	T&B Inspector:	**KRW/MMS**
Drilling Contractor:	**Logical Environmental Services, LLC**	Rig Type:	**Geoprobe**
Driller:	**Cindy/Wayne**	Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	20	0.0	Light brown, dry, MED SND, sm f snd, tr slt	MEDIUM SAND	No Well Installed
2-4		24	0.0	Light brown, dry, MED SND, sm f snd, tr slt		
4-6		24	NA	Light brown, moist, MED SND, sm f snd, lt slt		
6-8		15	0.0	Light brown, moist, MED SND, sm f snd, tr slt		
				End of Boring @ 10'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-30
Sheet 27 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13** **Watrous Street, East Hampton, CT**	Job Number:	**12 613620**
Client:	**East Hampton, Connecticut**	Date Started:	**8/28/2008** Finished: **8/28/2008**
Purpose:	**Remediation Investigation**	T&B Inspector:	**KRW/MMS**
Drilling Contractor:	**Logical Environmental Services, LLC**	Rig Type:	**Geoprobe**
Driller:	**Cindy/Wayne**	Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	19	2.2	Top 3"- Light brown, MED SND Middle 12"- Black, F SND, lt cl, tr rock fragments, tr c snd	MEDIUM SAND FINE SAND	No Well Installed
2-4		13	2.1	fragments	MEDIUM SAND	
			0.0	Refusal @ 4'bgs End of Boring @ 4'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

Well/Boring No.	RI-31
Sheet 28 Of	28

TEST BORING / WELL CONSTRUCTION LOG

Tighe & Bond Consulting Engineers, Middletown, Connecticut

Project:	**Former Summit Thread Power Station 13 Watrous Street, East Hampton, CT**	Job Number:	**12 613620**
Client:	**East Hampton, Connecticut**	Date Started:	**8/28/2008** Finished: **8/28/2008**
Purpose:	**Remediation Investigation**	T&B Inspector:	**KRW/MMS**
Drilling Contractor:	**Logical Environmental Services, LLC**	Rig Type:	**Geoprobe**
Driller:	**Cindy/Wayne**	Groundwater Depth:	Not encountered

	Type & Quantity
Sand	-
Bentonite	-
Cement	-
Casing/Cap	-

	Casing	Sample	Core	Well
Type	-		-	-
Diameter	-		-	-
Weight	-	-	-	-
Fall	-	-	-	-

Depth Ft	Blows Per 6"	Recov (In.)	PID (ppm)	Sample Description	General Stratigraphy	Well Construction
0-2	Not Applicable	24	0.0	Top 12"- Red-brown, F GVL, lt c snd	FINE GRAVEL	No Well Installed
				Bottom 12"- Light brown, C SND, lt rock fragments, lt med gvl	COARSE SAND	
2-4		24	0.0	Light tan, moist, MED SND, tr rock fragments, tr f	MEDIUM SAND	
4-4.5		6	0.0	Light tan, moist, MED SND, tr f gvl		
				Refusal @ 4.5'bgs		
				End of Boring @ 4.5'bgs		

PENETRATION RESISTANCE 140 Lb. Wt. Falling 30" on 2" O.D. Sampler			
Cohesionless	Density	Cohesive	Consistency
0-4	Very Loose	0-2	Very Soft
5-9	Loose	3-4	Soft
10-29	Med. Dense	5-8	Med. Soft
30-49	Dense	9-15	Med. Stiff
50+	Very Dense	16-30	Very Stiff

PROPORTIONS USED		ABBREVIATIONS					
trace	0 to 10%	clay	cl	veryfine	vf	trace	tr
little	10 to 20%	silt	slt	fine	f	little	lt
some	20 to 35%	sand	snd	medium	med	some	sm
and	35 to 50%	gravel	gvl	coarse	c	and	+

Notes:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 12-613622

E. HAMPTON, CT

Lot #: A8J290280

Karl Wikstrom

Tighe & Bond
213 Court Street
Suite 900
Middletown, CT 06457

TESTAMERICA LABORATORIES, INC.

Kenneth J. Kuzior
Project Manager

November 11, 2008

CASE NARRATIVE

A8J290280

The following report contains the analytical results for twenty solid samples submitted to TestAmerica North Canton by Tighe & Bond, Inc. from the E. Hampton, CT Site, project number 12-613622. The samples were received October 29, 2008, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

Any reference within this document to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.)

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters which are never reported on a dry weight basis is included on the Sample Summary.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Kenneth J. Kuzior, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is 68.

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 0.8°C.

POLYCHLORINATED BIPHENYLS-8082

The analytical results met the requirements of the laboratory's QA/QC program.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.

TestAmerica North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), OhioVAP (#CL0024), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit

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REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: TestAmerica - North Canton ***Client:*** Tighe & Bond

Project Location: E. Hampton, CT ***Project Number:*** 12-613622

Laboratory Sample ID(s): A8J290280-001 → 020 ***Sampling Date(s):*** 10/27/08

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8082

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 CTDEP 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 or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	☐Yes ☐ No ☒N/A
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 ☐ No ☐N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☒Yes ☐ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	☒Yes ☐ No ☒Yes ☐ No
6	For each analytical method referenced 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 an 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: [signature] **Position:** Project Manager

Printed Name: Frank J. Celauro, Jr. **Date:** 11/13/08

Name of Laboratory TestAmerica

This certification form is to be used for RCP methods only.

EXECUTIVE SUMMARY - Detection Highlights

A8J290280

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
PCB-1 0-3" 10/27/08 08:12 001				
Aroclor 1254	12000	1900	ug/kg	SW846 8082
Aroclors (Total)	12000	1900	ug/kg	SW846 8082
Percent Solids	85.7	10.0	%	MCAWW 160.3 MOD
PCB-1 1-2' 10/27/08 08:16 002				
Percent Solids	77.8	10.0	%	MCAWW 160.3 MOD
PCB-1 2-4' 10/27/08 08:22 003				
Percent Solids	71.0	10.0	%	MCAWW 160.3 MOD
PCB-2 0-3" 10/27/08 08:40 004				
Aroclor 1254	21000	3700	ug/kg	SW846 8082
Aroclors (Total)	21000	3700	ug/kg	SW846 8082
Percent Solids	88.2	10.0	%	MCAWW 160.3 MOD
PCB-2 1-2' 10/27/08 08:48 005				
Percent Solids	74.8	10.0	%	MCAWW 160.3 MOD
PCB-2 2-4' 10/27/08 08:51 006				
Percent Solids	83.4	10.0	%	MCAWW 160.3 MOD
PCB-3 0-3" 10/27/08 09:18 007				
Aroclor 1254	420	80	ug/kg	SW846 8082
Aroclors (Total)	420	80	ug/kg	SW846 8082
Percent Solids	82.0	10.0	%	MCAWW 160.3 MOD
PCB-3 1-2' 10/27/08 09:20 008				
Percent Solids	92.9	10.0	%	MCAWW 160.3 MOD
PCB-3 2-4' 10/27/08 09:30 009				
Aroclor 1254	420	69	ug/kg	SW846 8082
Aroclors (Total)	420	69	ug/kg	SW846 8082
Percent Solids	95.9	10.0	%	MCAWW 160.3 MOD

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EXECUTIVE SUMMARY - Detection Highlights

A8J290280

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
PCB-4 0-3" 10/27/08 09:32 010				
Aroclor 1254	540	84	ug/kg	SW846 8082
Aroclors (Total)	540	84	ug/kg	SW846 8082
Percent Solids	39.5	10.0	%	MCAWW 160.3 MOD
PCB-4 1-2' 10/27/08 09:35 011				
Aroclor 1254	6700	1800	ug/kg	SW846 8082
Aroclors (Total)	6700	1800	ug/kg	SW846 8082
Percent Solids	90.5	10.0	%	MCAWW 160.3 MOD
PCB-4 2-4' 10/27/08 09:37 012				
Percent Solids	93.2	10.0	%	MCAWW 160.3 MOD
PCB-5 0-3" 10/27/08 09:40 013				
Aroclor 1254	510	190	ug/kg	SW846 8082
Aroclors (Total)	510	190	ug/kg	SW846 8082
Percent Solids	89.0	10.0	%	MCAWW 160.3 MOD
PCB-5 1-2' 10/27/08 09:42 014				
Aroclor 1254	3400	700	ug/kg	SW846 8082
Aroclors (Total)	3400	700	ug/kg	SW846 8082
Percent Solids	93.8	10.0	%	MCAWW 160.3 MOD
PCB-5 2-3' 10/27/08 09:44 015				
Aroclor 1254	200	34	ug/kg	SW846 8082
Aroclors (Total)	200	34	ug/kg	SW846 8082
Percent Solids	95.7	10.0	%	MCAWW 160.3 MOD
PCB-6 0-3" 10/27/08 09:55 016				
Aroclor 1254	23000	4900	ug/kg	SW846 8082
Aroclors (Total)	23000	4900	ug/kg	SW846 8082
Percent Solids	67.1	10.0	%	MCAWW 160.3 MOD
PCB-6 1-2' 10/27/08 09:56 017				
Aroclor 1254	7000	1800	ug/kg	SW846 8082
Aroclors (Total)	7000	1800	ug/kg	SW846 8082
Percent Solids	94.1	10.0	%	MCAWW 160.3 MOD

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EXECUTIVE SUMMARY - Detection Highlights

A8J290280

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
PCB-6 2-4' 10/27/08 10:00 018				
Aroclor 1254	3800	710	ug/kg	SW846 8082
Aroclors (Total)	3800	710	ug/kg	SW846 8082
Percent Solids	92.9	10.0	%	MCAWW 160.3 MOD
PCB-7 0-3" 10/27/08 10:10 019				
Aroclor 1254	2500	480	ug/kg	SW846 8082
Aroclors (Total)	2500	480	ug/kg	SW846 8082
Percent Solids	68.8	10.0	%	MCAWW 160.3 MOD
PCB-7 1-2' 10/27/08 10:12 020				
Aroclor 1254	1300	360	ug/kg	SW846 8082
Aroclors (Total)	1300	360	ug/kg	SW846 8082
Percent Solids	91.9	10.0	%	MCAWW 160.3 MOD

ANALYTICAL METHODS SUMMARY

A8J290280

PARAMETER	ANALYTICAL METHOD
PCBs by SW-846 8082	SW846 8082
Total Residue as Percent Solids	MCAWW 160.3 MOD

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A8J290280

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K1VW2	001	PCB-1 0-3"	10/27/08	08:12
K1VXE	002	PCB-1 1-2'	10/27/08	08:16
K1VXG	003	PCB-1 2-4'	10/27/08	08:22
K1VXH	004	PCB-2 0-3"	10/27/08	08:40
K1VXK	005	PCB-2 1-2'	10/27/08	08:48
K1VXT	006	PCB-2 2-4'	10/27/08	08:51
K1VX0	007	PCB-3 0-3"	10/27/08	09:18
K1VX3	008	PCB-3 1-2'	10/27/08	09:20
K1VX4	009	PCB-3 2-4'	10/27/08	09:30
K1VX5	010	PCB-4 0-3"	10/27/08	09:32
K1VX7	011	PCB-4 1-2'	10/27/08	09:35
K1VX9	012	PCB-4 2-4'	10/27/08	09:37
K1V0C	013	PCB-5 0-3"	10/27/08	09:40
K1V0H	014	PCB-5 1-2'	10/27/08	09:42
K1V0J	015	PCB-5 2-3'	10/27/08	09:44
K1V0K	016	PCB-6 0-3"	10/27/08	09:55
K1V09	017	PCB-6 1-2'	10/27/08	09:56
K1V1J	018	PCB-6 2-4'	10/27/08	10:00
K1V1K	019	PCB-7 0-3"	10/27/08	10:10
K1V1L	020	PCB-7 1-2'	10/27/08	10:12

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Tighe & Bond

Client Sample ID: PCB-1 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290280-001 **Work Order #...:** K1VW21AC **Matrix.....:** SO
Date Sampled...: 10/27/08 08:12 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 50
% Moisture.....: 14 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	1900	ug/kg
Aroclor 1221	ND	1900	ug/kg
Aroclor 1232	ND	1900	ug/kg
Aroclor 1242	ND	1900	ug/kg
Aroclor 1248	ND	1900	ug/kg
Aroclor 1254	**12000**	**1900**	**ug/kg**
Aroclor 1260	ND	1900	ug/kg
Aroclor 1262	ND	1900	ug/kg
Aroclor 1268	ND	1900	ug/kg
Aroclors (Total)	**12000**	**1900**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	114 DIL	(30 - 150)
Decachlorobiphenyl	166 DIL,*	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-1 0-3"

General Chemistry

Lot-Sample #...: A8J290280-001 **Work Order #...:** K1VW2 **Matrix.....:** SO
Date Sampled...: 10/27/08 08:12 **Date Received..:** 10/29/08
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**85.7**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304427**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-1 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290280-002 **Work Order #...:** K1VXE1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 08:16 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 1
% Moisture.....: 22 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	42	ug/kg
Aroclor 1221	ND	42	ug/kg
Aroclor 1232	ND	42	ug/kg
Aroclor 1242	ND	42	ug/kg
Aroclor 1248	ND	42	ug/kg
Aroclor 1254	ND	42	ug/kg
Aroclor 1260	ND	42	ug/kg
Aroclor 1262	ND	42	ug/kg
Aroclor 1268	ND	42	ug/kg
Aroclors (Total)	ND	42	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	70	(30 - 150)
Decachlorobiphenyl	88	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-1 1-2'

General Chemistry

Lot-Sample #...: A8J290280-002 **Work Order #...:** K1VXE **Matrix.....:** SO
Date Sampled...: 10/27/08 08:16 **Date Received..:** 10/29/08
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**77.8**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304427**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-1 2-4'

GC Semivolatiles

Lot-Sample #...: A8J290280-003 **Work Order #...:** K1VXG1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 08:22 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 1
% Moisture.....: 29 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	46	ug/kg
Aroclor 1221	ND	46	ug/kg
Aroclor 1232	ND	46	ug/kg
Aroclor 1242	ND	46	ug/kg
Aroclor 1248	ND	46	ug/kg
Aroclor 1254	ND	46	ug/kg
Aroclor 1260	ND	46	ug/kg
Aroclor 1262	ND	46	ug/kg
Aroclor 1268	ND	46	ug/kg
Aroclors (Total)	ND	46	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	71	(30 - 150)
Decachlorobiphenyl	78	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-1 2-4'

General Chemistry

Lot-Sample #...: A8J290280-003 **Work Order #...:** K1VXG **Matrix.....:** SO
Date Sampled...: 10/27/08 08:22 **Date Received..:** 10/29/08
% Moisture.....: 29

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**71.0**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304427**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-2 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290280-004 **Work Order #...:** K1VXH1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 08:40 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 100
% Moisture.....: 12 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	3700	ug/kg
Aroclor 1221	ND	3700	ug/kg
Aroclor 1232	ND	3700	ug/kg
Aroclor 1242	ND	3700	ug/kg
Aroclor 1248	ND	3700	ug/kg
Aroclor 1254	**21000**	**3700**	**ug/kg**
Aroclor 1260	ND	3700	ug/kg
Aroclor 1262	ND	3700	ug/kg
Aroclor 1268	ND	3700	ug/kg
Aroclors (Total)	**21000**	**3700**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	118 DIL	(30 - 150)
Decachlorobiphenyl	224 DIL,*	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-2 0-3"

General Chemistry

Lot-Sample #...: A8J290280-004 **Work Order #...:** K1VXH **Matrix.....:** SO
Date Sampled...: 10/27/08 08:40 **Date Received..:** 10/29/08
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**88.2**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304427**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-2 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290280-005 **Work Order #...:** K1VXK1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 08:48 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 1
% Moisture.....: 25 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	44	ug/kg
Aroclor 1221	ND	44	ug/kg
Aroclor 1232	ND	44	ug/kg
Aroclor 1242	ND	44	ug/kg
Aroclor 1248	ND	44	ug/kg
Aroclor 1254	ND	44	ug/kg
Aroclor 1260	ND	44	ug/kg
Aroclor 1262	ND	44	ug/kg
Aroclor 1268	ND	44	ug/kg
Aroclors (Total)	ND	44	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(30 - 150)
Decachlorobiphenyl	74	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-2 1-2'

General Chemistry

Lot-Sample #...: A8J290280-005 **Work Order #...:** K1VXK **Matrix.....:** SO
Date Sampled...: 10/27/08 08:48 **Date Received..:** 10/29/08
% Moisture.....: 25

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**74.8**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304427**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-2 2-4'

GC Semivolatiles

Lot-Sample #...: A8J290280-006 **Work Order #...:** K1VXT1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 08:51 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg
Aroclor 1262	ND	40	ug/kg
Aroclor 1268	ND	40	ug/kg
Aroclors (Total)	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	65	(30 - 150)
Decachlorobiphenyl	61	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-2 2-4'

General Chemistry

Lot-Sample #...: A8J290280-006 **Work Order #...:** K1VXT **Matrix.....:** SO
Date Sampled...: 10/27/08 08:51 **Date Received..:** 10/29/08
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**83.4**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304427**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-3 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290280-007 **Work Order #...:** K1VX01AC **Matrix.....:** SO
Date Sampled...: 10/27/08 09:18 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 2
% Moisture.....: 18 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	80	ug/kg
Aroclor 1221	ND	80	ug/kg
Aroclor 1232	ND	80	ug/kg
Aroclor 1242	ND	80	ug/kg
Aroclor 1248	ND	80	ug/kg
Aroclor 1254	**420**	**80**	**ug/kg**
Aroclor 1260	ND	80	ug/kg
Aroclor 1262	ND	80	ug/kg
Aroclor 1268	ND	80	ug/kg
Aroclors (Total)	**420**	**80**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	104	(30 - 150)
Decachlorobiphenyl	106	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-3 0-3"

General Chemistry

Lot-Sample #...: A8J290280-007 **Work Order #...:** K1VX0 **Matrix.....:** SO
Date Sampled...: 10/27/08 09:18 **Date Received..:** 10/29/08
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**82.0**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304427**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-3 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290280-008 **Work Order #...:** K1VX31AC **Matrix.....:** SO
Date Sampled...: 10/27/08 09:20 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 1
% Moisture.....: 7.1 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	36	ug/kg
Aroclor 1221	ND	36	ug/kg
Aroclor 1232	ND	36	ug/kg
Aroclor 1242	ND	36	ug/kg
Aroclor 1248	ND	36	ug/kg
Aroclor 1254	ND	36	ug/kg
Aroclor 1260	ND	36	ug/kg
Aroclor 1262	ND	36	ug/kg
Aroclor 1268	ND	36	ug/kg
Aroclors (Total)	ND	36	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	85	(30 - 150)
Decachlorobiphenyl	86	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-3 1-2'

General Chemistry

Lot-Sample #...: A8J290280-008 **Work Order #...:** K1VX3 **Matrix.....:** SO
Date Sampled...: 10/27/08 09:20 **Date Received..:** 10/29/08
% Moisture.....: 7.1

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**92.9**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304427**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-3 2-4'

GC Semivolatiles

Lot-Sample #...: A8J290280-009 **Work Order #...:** K1VX41AC **Matrix.....:** SO
Date Sampled...: 10/27/08 09:30 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 2
% Moisture.....: 4.1 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	69	ug/kg
Aroclor 1221	ND	69	ug/kg
Aroclor 1232	ND	69	ug/kg
Aroclor 1242	ND	69	ug/kg
Aroclor 1248	ND	69	ug/kg
Aroclor 1254	**420**	**69**	**ug/kg**
Aroclor 1260	ND	69	ug/kg
Aroclor 1262	ND	69	ug/kg
Aroclor 1268	ND	69	ug/kg
Aroclors (Total)	**420**	**69**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	87	(30 - 150)
Decachlorobiphenyl	92	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-3 2-4'

General Chemistry

Lot-Sample #...: A8J290280-009 **Work Order #...:** K1VX4 **Matrix.....:** SO
Date Sampled...: 10/27/08 09:30 **Date Received..:** 10/29/08
% Moisture.....: 4.1

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**95.9**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304427**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-4 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290280-010 **Work Order #...:** K1VX51AC **Matrix.....:** SO
Date Sampled...: 10/27/08 09:32 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 1
% Moisture.....: 61 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	84	ug/kg
Aroclor 1221	ND	84	ug/kg
Aroclor 1232	ND	84	ug/kg
Aroclor 1242	ND	84	ug/kg
Aroclor 1248	ND	84	ug/kg
Aroclor 1254	**540**	**84**	**ug/kg**
Aroclor 1260	ND	84	ug/kg
Aroclor 1262	ND	84	ug/kg
Aroclor 1268	ND	84	ug/kg
Aroclors (Total)	**540**	**84**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(30 - 150)
Decachlorobiphenyl	76	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-4 0-3"

General Chemistry

Lot-Sample #...: A8J290280-010 **Work Order #...:** K1VX5 **Matrix.....:** SO
Date Sampled...: 10/27/08 09:32 **Date Received..:** 10/29/08
% Moisture.....: 61

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**39.5**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304429**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-4 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290280-011 **Work Order #...:** K1VX71AC **Matrix.....:** SO
Date Sampled...: 10/27/08 09:35 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 50
% Moisture.....: 9.5 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	1800	ug/kg
Aroclor 1221	ND	1800	ug/kg
Aroclor 1232	ND	1800	ug/kg
Aroclor 1242	ND	1800	ug/kg
Aroclor 1248	ND	1800	ug/kg
Aroclor 1254	**6700**	**1800**	**ug/kg**
Aroclor 1260	ND	1800	ug/kg
Aroclor 1262	ND	1800	ug/kg
Aroclor 1268	ND	1800	ug/kg
Aroclors (Total)	**6700**	**1800**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	99 DIL	(30 - 150)
Decachlorobiphenyl	382 DIL,*	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-4 1-2'

General Chemistry

Lot-Sample #...: A8J290280-011 **Work Order #...:** K1VX7 **Matrix.....:** SO
Date Sampled...: 10/27/08 09:35 **Date Received..:** 10/29/08
% Moisture.....: 9.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**90.5**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304429**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-4 2-4'

GC Semivolatiles

Lot-Sample #...: A8J290280-012 **Work Order #...:** K1VX91AC **Matrix.....:** SO
Date Sampled...: 10/27/08 09:37 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 1
% Moisture.....: 6.8 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	35	ug/kg
Aroclor 1221	ND	35	ug/kg
Aroclor 1232	ND	35	ug/kg
Aroclor 1242	ND	35	ug/kg
Aroclor 1248	ND	35	ug/kg
Aroclor 1254	ND	35	ug/kg
Aroclor 1260	ND	35	ug/kg
Aroclor 1262	ND	35	ug/kg
Aroclor 1268	ND	35	ug/kg
Aroclors (Total)	ND	35	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	84	(30 - 150)
Decachlorobiphenyl	82	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-4 2-4'

General Chemistry

Lot-Sample #...: A8J290280-012 **Work Order #...:** K1VX9 **Matrix.....:** SO
Date Sampled...: 10/27/08 09:37 **Date Received..:** 10/29/08
% Moisture.....: 6.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**93.2**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304429**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-5 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290280-013 **Work Order #...:** K1V0C1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 09:40 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 5
% Moisture.....: 11 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	190	ug/kg
Aroclor 1221	ND	190	ug/kg
Aroclor 1232	ND	190	ug/kg
Aroclor 1242	ND	190	ug/kg
Aroclor 1248	ND	190	ug/kg
Aroclor 1254	**510**	**190**	**ug/kg**
Aroclor 1260	ND	190	ug/kg
Aroclor 1262	ND	190	ug/kg
Aroclor 1268	ND	190	ug/kg
Aroclors (Total)	**510**	**190**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78 DIL	(30 - 150)
Decachlorobiphenyl	128 DIL	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-5 0-3"

General Chemistry

Lot-Sample #...: A8J290280-013 **Work Order #...:** K1V0C **Matrix.....:** SO
Date Sampled...: 10/27/08 09:40 **Date Received..:** 10/29/08
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**89.0**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304429**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-5 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290280-014 **Work Order #...:** K1V0H1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 09:42 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 20
% Moisture.....: 6.2 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	700	ug/kg
Aroclor 1221	ND	700	ug/kg
Aroclor 1232	ND	700	ug/kg
Aroclor 1242	ND	700	ug/kg
Aroclor 1248	ND	700	ug/kg
Aroclor 1254	**3400**	**700**	**ug/kg**
Aroclor 1260	ND	700	ug/kg
Aroclor 1262	ND	700	ug/kg
Aroclor 1268	ND	700	ug/kg
Aroclors (Total)	**3400**	**700**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	87 DIL	(30 - 150)
Decachlorobiphenyl	147 DIL	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-5 1-2'

General Chemistry

Lot-Sample #...: A8J290280-014 **Work Order #...:** K1V0H **Matrix.....:** SO
Date Sampled...: 10/27/08 09:42 **Date Received..:** 10/29/08
% Moisture.....: 6.2

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**93.8**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304429**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-5 2-3'

GC Semivolatiles

Lot-Sample #...: A8J290280-015 **Work Order #...:** K1V0J1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 09:44 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 1
% Moisture.....: 4.3 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	34	ug/kg
Aroclor 1221	ND	34	ug/kg
Aroclor 1232	ND	34	ug/kg
Aroclor 1242	ND	34	ug/kg
Aroclor 1248	ND	34	ug/kg
Aroclor 1254	**200**	**34**	**ug/kg**
Aroclor 1260	ND	34	ug/kg
Aroclor 1262	ND	34	ug/kg
Aroclor 1268	ND	34	ug/kg
Aroclors (Total)	**200**	**34**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(30 - 150)
Decachlorobiphenyl	84	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-5 2-3'

General Chemistry

Lot-Sample #...: A8J290280-015 **Work Order #...:** K1V0J **Matrix.....:** SO
Date Sampled...: 10/27/08 09:44 **Date Received..:** 10/29/08
% Moisture.....: 4.3

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**95.7**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304429**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-6 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290280-016 **Work Order #...:** K1V0K1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 09:55 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 100
% Moisture.....: 33 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	4900	ug/kg
Aroclor 1221	ND	4900	ug/kg
Aroclor 1232	ND	4900	ug/kg
Aroclor 1242	ND	4900	ug/kg
Aroclor 1248	ND	4900	ug/kg
Aroclor 1254	**23000**	**4900**	**ug/kg**
Aroclor 1260	ND	4900	ug/kg
Aroclor 1262	ND	4900	ug/kg
Aroclor 1268	ND	4900	ug/kg
Aroclors (Total)	**23000**	**4900**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	133 DIL	(30 - 150)
Decachlorobiphenyl	157 DIL,*	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-6 0-3"

General Chemistry

Lot-Sample #...: A8J290280-016 **Work Order #...:** K1V0K **Matrix.....:** SO
Date Sampled...: 10/27/08 09:55 **Date Received..:** 10/29/08
% Moisture.....: 33

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**67.1**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304429**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-6 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290280-017 **Work Order #...:** K1V091AC **Matrix.....:** SO
Date Sampled...: 10/27/08 09:56 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 50
% Moisture.....: 5.9 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	1800	ug/kg
Aroclor 1221	ND	1800	ug/kg
Aroclor 1232	ND	1800	ug/kg
Aroclor 1242	ND	1800	ug/kg
Aroclor 1248	ND	1800	ug/kg
Aroclor 1254	**7000**	**1800**	**ug/kg**
Aroclor 1260	ND	1800	ug/kg
Aroclor 1262	ND	1800	ug/kg
Aroclor 1268	ND	1800	ug/kg
Aroclors (Total)	**7000**	**1800**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	120 DIL	(30 - 150)
Decachlorobiphenyl	152 DIL,*	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-6 1-2'

General Chemistry

Lot-Sample #...: A8J290280-017 **Work Order #...:** K1V09 **Matrix.....:** SO
Date Sampled...: 10/27/08 09:56 **Date Received..:** 10/29/08
% Moisture.....: 5.9

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**94.1**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304429**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-6 2-4'

GC Semivolatiles

Lot-Sample #...: A8J290280-018 **Work Order #...:** K1V1J1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 10:00 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 20
% Moisture.....: 7.1 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	710	ug/kg
Aroclor 1221	ND	710	ug/kg
Aroclor 1232	ND	710	ug/kg
Aroclor 1242	ND	710	ug/kg
Aroclor 1248	ND	710	ug/kg
Aroclor 1254	**3800**	**710**	**ug/kg**
Aroclor 1260	ND	710	ug/kg
Aroclor 1262	ND	710	ug/kg
Aroclor 1268	ND	710	ug/kg
Aroclors (Total)	**3800**	**710**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	110 DIL	(30 - 150)
Decachlorobiphenyl	104 DIL	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-6 2-4'

General Chemistry

Lot-Sample #...: A8J290280-018 **Work Order #...:** K1V1J **Matrix.....:** SO
Date Sampled...: 10/27/08 10:00 **Date Received..:** 10/29/08
% Moisture.....: 7.1

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**92.9**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304429**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-7 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290280-019 **Work Order #...:** K1V1K1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 10:10 **Date Received..:** 10/29/08
Prep Date.....: 10/31/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8305039
Dilution Factor: 10
% Moisture.....: 31 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	480	ug/kg
Aroclor 1221	ND	480	ug/kg
Aroclor 1232	ND	480	ug/kg
Aroclor 1242	ND	480	ug/kg
Aroclor 1248	ND	480	ug/kg
Aroclor 1254	**2500**	**480**	**ug/kg**
Aroclor 1260	ND	480	ug/kg
Aroclor 1262	ND	480	ug/kg
Aroclor 1268	ND	480	ug/kg
Aroclors (Total)	**2500**	**480**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	97 DIL	(30 - 150)
Decachlorobiphenyl	324 DIL,*	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-7 0-3"

General Chemistry

Lot-Sample #...: A8J290280-019 **Work Order #...:** K1V1K **Matrix.....:** SO
Date Sampled...: 10/27/08 10:10 **Date Received..:** 10/29/08
% Moisture.....: 31

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**68.8**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304429**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-7 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290280-020 **Work Order #...:** K1V1L1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 10:12 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 10
% Moisture.....: 8.1 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	360	ug/kg
Aroclor 1221	ND	360	ug/kg
Aroclor 1232	ND	360	ug/kg
Aroclor 1242	ND	360	ug/kg
Aroclor 1248	ND	360	ug/kg
Aroclor 1254	**1300**	**360**	**ug/kg**
Aroclor 1260	ND	360	ug/kg
Aroclor 1262	ND	360	ug/kg
Aroclor 1268	ND	360	ug/kg
Aroclors (Total)	**1300**	**360**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	90 DIL	(30 - 150)
Decachlorobiphenyl	106 DIL	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-7 1-2'

General Chemistry

Lot-Sample #...: A8J290280-020 **Work Order #...:** K1V1L **Matrix.....:** SO
Date Sampled...: 10/27/08 10:12 **Date Received..:** 10/29/08
% Moisture.....: 8.1

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**91.9**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/30-10/31/08**	**8304429**

Dilution Factor: 1

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A8J290280 **Work Order #...:** K1WRK1AA **Matrix.....:** SOLID
MB Lot-Sample #: A8J300000-041
Prep Date.....: 10/30/08
Analysis Date..: 11/03/08 **Prep Batch #...:** 8304041
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082
Aroclor 1262	ND	33	ug/kg	SW846 8082
Aroclor 1268	ND	33	ug/kg	SW846 8082
Aroclors (Total)	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	92	(30 - 150)
Decachlorobiphenyl	78	(30 - 150)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A8J290280 **Work Order #...:** K107W1AA **Matrix.....:** SOLID
MB Lot-Sample #: A8J310000-039

Prep Date.....: 10/31/08
Analysis Date..: 11/03/08 **Prep Batch #...:** 8305039
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082
Aroclor 1262	ND	33	ug/kg	SW846 8082
Aroclor 1268	ND	33	ug/kg	SW846 8082
Aroclors (Total)	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	112	(30 - 150)
Decachlorobiphenyl	73	(30 - 150)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A8J290280 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids		Work Order #: K10L01AA		MB Lot-Sample #:	A8J300000-427	
	ND	10.0	%	MCAWW 160.3 MOD	10/30-10/31/08	8304427
		Dilution Factor: 1				
Percent Solids		Work Order #: K10L41AA		MB Lot-Sample #:	A8J300000-429	
	ND	10.0	%	MCAWW 160.3 MOD	10/30-10/31/08	8304429
		Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A8J290280 **Work Order #...:** K1WRK1AC **Matrix.....:** SOLID
LCS Lot-Sample#: A8J300000-041
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**82**	**(40 - 140)**	**SW846 8082**
Aroclor 1260	**80**	**(40 - 140)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	89	(30 - 150)
Decachlorobiphenyl	78	(30 - 150)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A8J290280 **Work Order #...:** K107W1AC **Matrix.....:** SOLID
LCS Lot-Sample#: A8J310000-039
Prep Date.....: 10/31/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8305039
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**86**	**(40 - 140)**	**SW846 8082**
Aroclor 1260	**88**	**(40 - 140)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	103	(10 - 196)
Decachlorobiphenyl	79	(10 - 199)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A8J290280 **Work Order #...:** K1VXT1AD-MS **Matrix.....:** SO
MS Lot-Sample #: A8J290280-006 K1VXT1AE-MSD
Date Sampled...: 10/27/08 08:51 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304041
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**75**	**(40 - 140)**			**SW846 8082**
	73	**(40 - 140)**	**2.4**	**(0-50)**	**SW846 8082**
Aroclor 1260	**80**	**(40 - 140)**			**SW846 8082**
	77	**(40 - 140)**	**3.1**	**(0-50)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(30 - 150)
	75	(30 - 150)
Decachlorobiphenyl	85	(30 - 150)
	83	(30 - 150)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A8J290280 **Work Order #...:** K1X4W1AR-MS **Matrix.....:** SOLID
MS Lot-Sample #: A8J300233-001 K1X4W1AT-MSD
Date Sampled...: 10/29/08 09:00 **Date Received..:** 10/30/08
Prep Date.....: 10/31/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8305039
Dilution Factor: 1 **% Moisture.....:** 100

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**57**	**(40 - 140)**			**SW846 8082**
	69	**(40 - 140)**	**18**	**(0-50)**	**SW846 8082**
Aroclor 1260	**44**	**(40 - 140)**			**SW846 8082**
	51	**(40 - 140)**	**14**	**(0-50)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	59	(10 - 196)
	64	(10 - 196)
Decachlorobiphenyl	42	(10 - 199)
	44	(10 - 199)

NOTE(S):

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

Bold print denotes control parameters

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A8J290280 **Work Order #...:** K0AC2-SMP K0AC2-DUP **Matrix.....:** SOLID
Date Sampled...: 10/06/08 13:45 **Date Received..:** 10/07/08
% Moisture.....: 3.6

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #:	A8J070160-007	
	96.4	97.4	%	0.99	(0-20)	MCAWW 160.3 MOD	10/30-10/31/08	8304427

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A8J290280 **Work Order #...:** K1VX3-SMP **Matrix.....:** SO
K1VX3-DUP
Date Sampled...: 10/27/08 09:20 **Date Received..:** 10/29/08
% Moisture.....: 7.1

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #:	A8J290280-008	
	92.9	96.0	%	3.2	(0-20)	MCAWW 160.3 MOD	10/30-10/31/08	8304427

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A8J290280 **Work Order #...:** K1V0H-SMP **Matrix.....:** SO
K1V0H-DUP
Date Sampled...: 10/27/08 09:42 **Date Received..:** 10/29/08
% Moisture.....: 6.2

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #:	A8J290280-014	
	93.8	94.1	%	0.37	(0-20)	MCAWW 160.3 MOD	10/30-10/31/08	8304429

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A8J290280 **Work Order #...:** K1V1L-SMP **Matrix.....:** SO
K1V1L-DUP
Date Sampled...: 10/27/08 10:12 **Date Received..:** 10/29/08
% Moisture.....: 8.1

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: A8J290280-020		
	91.9	90.9	%	1.1	(0-20)	MCAWW 160.3 MOD	10/30-10/31/08	8304429

Dilution Factor: 1

TestAmerica
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Chain of Custody Form

005646

•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
MIDDLETOWN, CT
Phone: 860-704-4781 Fax:

Client Project #: 12-613622
Site ID & State: E. HAMPTON, CT
Reports Sent To: KRWikstrom@tighebond.com
Email: KARL WIKSTROM Email Rpt: ☒

Job# | 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 _____ RUSH X (*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 ☐

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.

Sample Type Codes: WW-Wastewater, DW-Drinking Water, SW-Surface Water, GW-Groundwater, LW Lab Water, A-Air, S-Solids, "Z"- Other (please specify)

Comments: *RCP CT
All analysis with Soxhlet Ext

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 / 4º C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity
PCB-1 0-3"	SO	KRW	10/27/08 8:12	X		1	G							X			X							
PCB-1 1-2'	SO	KRW	10/27/08 8:16	X		1	G							X			X							
PCB-1 2-4'	SO	KRW	10/27/08 8:22	X		1	G							X			X							
PCB-2 0-3"	SO	KRW	10/27/08 8:40	X		1	G							X			X							
PCB-2 1-2'	SO	KRW	10/27/08 8:48	X		1	G							X			X							
PCB-2 2-4'	SO	KRW	10/27/08 8:51	X		1	G							X			X							
PCB-3 0-3"	SO	KRW	10/27/08 9:18	X		1	G							X			X							
PCB-3 1-2'	SO	KRW	10/27/08 9:20	X		1	G							X			X							
PCB-3 2-4'	SO	KRW	10/27/08 9:30	X		1	G							X			X							
PCB-4 0-3"	SO	KRW	10/27/08 9:32	X		1	G							X			X							

Sampled by (print): KARL F. WIKSTROM
Signature: [signature]

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	10/28/08	FED EX	[signature]	10-29-08	10:10

Cooler ? Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: _____ ºC
Preservation / pH checked? Y / N
By: _____ Date: _____

WESTFIELD

Page 1 of ____

White = Lab file Yellow = Report copy Pink = Customer copy

WI-QA-010-REV 4A

TAL-8245-360 (0408)

TestAmerica
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Chain of Custody Form

005647

•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: MIDDLETOWN, CT
Phone: 860-704-4781 Fax:

Client Project #: 12-6130 22
Site ID & State: E. HAMPTON, CT
Reports Sent To: Karl Wikstrom
Email: KWikstrom@ Email Rpt: ☒

Job# | 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 _____ 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 ☐

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, S-Solids, "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 / 4° C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity
PCB-4 1-2'	SO	KRW	10/27/08 ~~9-27~~ 9:35	X		1	G							X			X							
PCB-4 2-4'	SO	KRW	10/27/08 ~~9-27~~ 9:37	X		1	G							X			X							
PCB-5 0-3"	SO	KRW	10/27/08 9:40	X		1	G							X			X							
PCB-5 1-2'	SO	KRW	10/27/08 9:42	X		1	G							X			X							
PCB-5 2-3'	SO	KRW	10/27/08 9:44	X		1	G							X			X							
PCB-6 0-3"	SO	KRW	10/27/08 9:55	X		1	G							X			X							
PCB-6 1-2'	SO	KRW	10/27/08 9:56	X		1	G							X			X							
PCB-6 2-4'	SO	KRW	10/27/08 10:00	X		1	G							X			X							
PCB-7 0-3"	SO	KRW	10/27/08 10:10	X		1	G							X			X							
PCB-7 1-2'	SO	KRW	10/27/08 10:12	X		1	G							X			X							

Comments:
*RCP CT
All Analysis w/ soxhlet extract.

Sampled by (print): KARL R. WIKSTRAM
Signature:

Relinquished by: Date: 10/28/08 Time: FED EX
Received by: Date: 10.29.08 Time: 10:10
Relinquished by: Date: Time:
Received by: Date: Time:
Relinquished by: Date: Time:
Received by: Date: Time:

Cooler ? Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: _____ ºC
Preservation / pH checked? Y / N
By: _____ Date: _____

WESTFIELD

White = Lab file Yellow = Report copy Pink = Customer copy

WI-QA-010-REV 4A

TAL-8245-360 (0408)

TestAmerica Cooler Receipt Form/Narrative **Lot Number:** A8J290280
North Canton Facility

Client Tighe + Bond Project _____ By: [signature]
Cooler Received on 10-29-08 Opened on 10-29-08 (Signature)
FedEx ☐ UPS ☒ DHL ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____
TestAmerica Cooler # 680 Multiple Coolers ☐ Foam Box ☐ Client Cooler ☐ Other _____

1. Were custody seals on the outside of the cooler(s)? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒
   If YES, Quantity _____ Quantity Unsalvageable _____
   Were custody seals on the outside of cooler(s) signed and dated? Yes ☐ No ☐ NA ☒
   Were custody seals on the bottle(s)? Yes ☐ No ☒
   If YES, are there any exceptions? _____
2. Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☐
3. Did custody papers accompany the sample(s)? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Were the custody papers signed in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☐ Foam ☐ None ☒ Other _____
6. Cooler temperature upon receipt 0.8 °C See back of form for multiple coolers/temps ☐
   METHOD: IR ☒ Other ☐ _____
   COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels be reconciled with the COC? Yes ☒ No ☐
9. Were sample(s) at the correct pH upon receipt? Yes ☐ No ☐ NA ☒
10. Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a trip blank present in the cooler(s)? Yes ☒ No ☐ Were VOAs on the COC? Yes ☐ No ☒

Contacted PM _____ Date _____ by _____ via Verbal ☐ Voice Mail ☐ Other ☐
Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

_____

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). *Nitric Acid Lot# 031808-HNO_3; Sulfuric Acid Lot# 031808-H_2SO_4; Sodium Hydroxide Lot# 073007 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 050205-$(CH_3COO)_2ZN/NaOH$.* What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler #	Temp. °C	Method	Coolant

Discrepancies Cont'd:

END OF REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 12-613622

E. HAMPTON, CT

Lot #: A8J290302

Karl Wikstrom

Tighe & Bond
213 Court Street
Suite 900
Middletown, CT 06457

TESTAMERICA LABORATORIES, INC.

Kenneth J. Kuzior
Project Manager

November 11, 2008

CASE NARRATIVE

A8J290302

The following report contains the analytical results for twenty solid samples submitted to TestAmerica North Canton by Tighe & Bond, Inc. from the E. Hampton, CT Site, project number 12-613622. The samples were received October 29, 2008, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

Any reference within this document to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.)

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters which are never reported on a dry weight basis is included on the Sample Summary.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Kenneth J. Kuzior, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is 68.

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 0.8°C.

POLYCHLORINATED BIPHENYLS-8082

The analytical results met the requirements of the laboratory's QA/QC program.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.

TestAmerica North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), OhioVAP (#CL0024), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit

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REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Test America - North Canton ***Client:*** Tighe & Bond

Project Location: E. Hampton, CT ***Project Number:*** 12-613622

Laboratory Sample ID(s): A8J290302-001 → 020 ***Sampling Date(s):*** 10/27/08

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8082

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 CTDEP 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 or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	☐Yes ☐ No ☒N/A
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 ☐ No ☐N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☒Yes ☐ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	☒Yes ☐ No ☒Yes ☐ No
6	For each analytical method referenced 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 an 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: [signature] **Position:** Project Manager

Printed Name: Frank J. Calovini **Date:** 11/13/08

Name of Laboratory Test America

This certification form is to be used for RCP methods only.

EXECUTIVE SUMMARY - Detection Highlights

A8J290302

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
PCB-7 2-4' 10/27/08 10:20 001				
Aroclor 1254	170	34	ug/kg	SW846 8082
Aroclors (Total)	170	34	ug/kg	SW846 8082
Percent Solids	96.4	10.0	%	MCAWW 160.3 MOD
PCB-8 0-3" 10/27/08 10:24 002				
Aroclor 1254	470000	77000	ug/kg	SW846 8082
Aroclors (Total)	470000	77000	ug/kg	SW846 8082
Percent Solids	85.2	10.0	%	MCAWW 160.3 MOD
PCB-8 1-2' 10/27/08 10:25 003				
Aroclor 1254	310	170	ug/kg	SW846 8082
Aroclors (Total)	310	170	ug/kg	SW846 8082
Percent Solids	94.4	10.0	%	MCAWW 160.3 MOD
PCB-8 2-3' 10/27/08 10:28 004				
Aroclor 1254	290	170	ug/kg	SW846 8082
Aroclors (Total)	290	170	ug/kg	SW846 8082
Percent Solids	95.9	10.0	%	MCAWW 160.3 MOD
PCB-9 0-3" 10/27/08 10:38 005				
Aroclor 1254	190000	36000	ug/kg	SW846 8082
Aroclors (Total)	190000	36000	ug/kg	SW846 8082
Percent Solids	90.8	10.0	%	MCAWW 160.3 MOD
PCB-9 1-2' 10/27/08 10:40 006				
Aroclor 1254	180	38	ug/kg	SW846 8082
Aroclors (Total)	180	38	ug/kg	SW846 8082
Percent Solids	87.0	10.0	%	MCAWW 160.3 MOD
PCB-9 2-3' 10/27/08 10:44 007				
Percent Solids	85.7	10.0	%	MCAWW 160.3 MOD
PCB-10 0-3" 10/27/08 10:49 008				
Aroclor 1254	160000	39000	ug/kg	SW846 8082
Aroclors (Total)	160000	39000	ug/kg	SW846 8082
Percent Solids	85.7	10.0	%	MCAWW 160.3 MOD

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EXECUTIVE SUMMARY - Detection Highlights

A8J290302

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
PCB-10 1-2' 10/27/08 10:51 009				
Aroclor 1254	230	42	ug/kg	SW846 8082
Aroclors (Total)	230	42	ug/kg	SW846 8082
Percent Solids	78.2	10.0	%	MCAWW 160.3 MOD
PCB-10 2-4' 10/27/08 10:55 010				
Percent Solids	83.4	10.0	%	MCAWW 160.3 MOD
DUP 1 10/27/08 10:51 011				
Aroclor 1254	800	200	ug/kg	SW846 8082
Aroclors (Total)	800	200	ug/kg	SW846 8082
Percent Solids	83.8	10.0	%	MCAWW 160.3 MOD
PCB-11 0-3" 10/27/08 11:15 012				
Aroclor 1254	1100000	190000	ug/kg	SW846 8082
Aroclors (Total)	1100000	190000	ug/kg	SW846 8082
Percent Solids	85.1	10.0	%	MCAWW 160.3 MOD
PCB-11 1-2' 10/27/08 11:17 013				
Aroclor 1254	37000	3900	ug/kg	SW846 8082
Aroclors (Total)	37000	3900	ug/kg	SW846 8082
Percent Solids	84.1	10.0	%	MCAWW 160.3 MOD
PCB-11 2-4' 10/27/08 11:20 014				
Aroclor 1254	250	42	ug/kg	SW846 8082
Aroclors (Total)	250	42	ug/kg	SW846 8082
Percent Solids	78.9	10.0	%	MCAWW 160.3 MOD
PCB-12 0-3" 10/27/08 11:29 015				
Aroclor 1254	610000	83000	ug/kg	SW846 8082
Aroclors (Total)	610000	83000	ug/kg	SW846 8082
Percent Solids	79.9	10.0	%	MCAWW 160.3 MOD
PCB-12 1-2' 10/27/08 11:30 016				
Aroclor 1254	1100	420	ug/kg	SW846 8082
Aroclors (Total)	1100	420	ug/kg	SW846 8082
Percent Solids	78.2	10.0	%	MCAWW 160.3 MOD

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EXECUTIVE SUMMARY - Detection Highlights

A8J290302

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
PCB-12 4-6' 10/27/08 11:42 017				
Aroclor 1254	100	39	ug/kg	SW846 8082
Aroclors (Total)	100	39	ug/kg	SW846 8082
Percent Solids	83.6	10.0	%	MCAWW 160.3 MOD
PCB-12 2-4' 10/27/08 11:40 018				
Aroclor 1254	160	38	ug/kg	SW846 8082
Aroclors (Total)	160	38	ug/kg	SW846 8082
Percent Solids	85.9	10.0	%	MCAWW 160.3 MOD
DUP 2 10/27/08 11:40 019				
Aroclor 1254	77	40	ug/kg	SW846 8082
Aroclors (Total)	77	40	ug/kg	SW846 8082
Percent Solids	83.2	10.0	%	MCAWW 160.3 MOD
PCB-13 0-3" 10/27/08 12:38 020				
Aroclor 1254	9600	2100	ug/kg	SW846 8082
Aroclors (Total)	9600	2100	ug/kg	SW846 8082
Percent Solids	78.7	10.0	%	MCAWW 160.3 MOD

ANALYTICAL METHODS SUMMARY

A8J290302

PARAMETER	ANALYTICAL METHOD
PCBs by SW-846 8082	SW846 8082
Total Residue as Percent Solids	MCAWW 160.3 MOD

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A8J290302

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K1V4N	001	PCB-7 2-4'	10/27/08	10:20
K1V48	002	PCB-8 0-3"	10/27/08	10:24
K1V5D	003	PCB-8 1-2'	10/27/08	10:25
K1V5H	004	PCB-8 2-3'	10/27/08	10:28
K1V5R	005	PCB-9 0-3"	10/27/08	10:38
K1V58	006	PCB-9 1-2'	10/27/08	10:40
K1V6F	007	PCB-9 2-3'	10/27/08	10:44
K1V6J	008	PCB-10 0-3"	10/27/08	10:49
K1V6N	009	PCB-10 1-2'	10/27/08	10:51
K1V6P	010	PCB-10 2-4'	10/27/08	10:55
K1V6Q	011	DUP 1	10/27/08	10:51
K1V6W	012	PCB-11 0-3"	10/27/08	11:15
K1V62	013	PCB-11 1-2'	10/27/08	11:17
K1V64	014	PCB-11 2-4'	10/27/08	11:20
K1V65	015	PCB-12 0-3"	10/27/08	11:29
K1V67	016	PCB-12 1-2'	10/27/08	11:30
K1V69	017	PCB-12 4-6'	10/27/08	11:42
K1V7D	018	PCB-12 2-4'	10/27/08	11:40
K1V7G	019	DUP 2	10/27/08	11:40
K1V74	020	PCB-13 0-3"	10/27/08	12:38

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Tighe & Bond

Client Sample ID: PCB-7 2-4'

GC Semivolatiles

Lot-Sample #...: A8J290302-001 **Work Order #...:** K1V4N1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 10:20 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 1
% Moisture.....: 3.6 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	34	ug/kg
Aroclor 1221	ND	34	ug/kg
Aroclor 1232	ND	34	ug/kg
Aroclor 1242	ND	34	ug/kg
Aroclor 1248	ND	34	ug/kg
Aroclor 1254	**170**	**34**	**ug/kg**
Aroclor 1260	ND	34	ug/kg
Aroclor 1262	ND	34	ug/kg
Aroclor 1268	ND	34	ug/kg
Aroclors (Total)	**170**	**34**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(30 - 150)
Decachlorobiphenyl	88	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-7 2-4'

General Chemistry

Lot-Sample #...: A8J290302-001 **Work Order #...:** K1V4N **Matrix.....:** SO
Date Sampled...: 10/27/08 10:20 **Date Received..:** 10/29/08
% Moisture.....: 3.6

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**96.4**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305436**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-8 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290302-002 **Work Order #...:** K1V481AC **Matrix.....:** SO
Date Sampled...: 10/27/08 10:24 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 2000
% Moisture.....: 15 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	77000	ug/kg
Aroclor 1221	ND	77000	ug/kg
Aroclor 1232	ND	77000	ug/kg
Aroclor 1242	ND	77000	ug/kg
Aroclor 1248	ND	77000	ug/kg
Aroclor 1254	**470000**	**77000**	**ug/kg**
Aroclor 1260	ND	77000	ug/kg
Aroclor 1262	ND	77000	ug/kg
Aroclor 1268	ND	77000	ug/kg
Aroclors (Total)	**470000**	**77000**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	0.0 DIL,*	(30 - 150)
Decachlorobiphenyl	4720 DIL,*	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-8 0-3"

General Chemistry

Lot-Sample #...: A8J290302-002 **Work Order #...:** K1V48 **Matrix.....:** SO
Date Sampled...: 10/27/08 10:24 **Date Received..:** 10/29/08
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**85.2**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305436**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-8 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290302-003 **Work Order #...:** K1V5D1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 10:25 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 5
% Moisture.....: 5.6 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	170	ug/kg
Aroclor 1221	ND	170	ug/kg
Aroclor 1232	ND	170	ug/kg
Aroclor 1242	ND	170	ug/kg
Aroclor 1248	ND	170	ug/kg
Aroclor 1254	**310**	**170**	**ug/kg**
Aroclor 1260	ND	170	ug/kg
Aroclor 1262	ND	170	ug/kg
Aroclor 1268	ND	170	ug/kg
Aroclors (Total)	**310**	**170**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	95 DIL	(30 - 150)
Decachlorobiphenyl	117 DIL	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-8 1-2'

General Chemistry

Lot-Sample #...: A8J290302-003 **Work Order #...:** K1V5D **Matrix.....:** SO
Date Sampled...: 10/27/08 10:25 **Date Received..:** 10/29/08
% Moisture.....: 5.6

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**94.4**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305436**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-8 2-3'

GC Semivolatiles

Lot-Sample #...: A8J290302-004 **Work Order #...:** K1V5H1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 10:28 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 5
% Moisture.....: 4.1 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	170	ug/kg
Aroclor 1221	ND	170	ug/kg
Aroclor 1232	ND	170	ug/kg
Aroclor 1242	ND	170	ug/kg
Aroclor 1248	ND	170	ug/kg
Aroclor 1254	**290**	**170**	**ug/kg**
Aroclor 1260	ND	170	ug/kg
Aroclor 1262	ND	170	ug/kg
Aroclor 1268	ND	170	ug/kg
Aroclors (Total)	**290**	**170**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	75 DIL	(30 - 150)
Decachlorobiphenyl	79 DIL	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-8 2-3'

General Chemistry

Lot-Sample #...: A8J290302-004 **Work Order #...:** K1V5H **Matrix.....:** SO
Date Sampled...: 10/27/08 10:28 **Date Received..:** 10/29/08
% Moisture.....: 4.1

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**95.9**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305436**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-9 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290302-005 **Work Order #...:** K1V5R1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 10:38 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 1000
% Moisture.....: 9.2 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	36000	ug/kg
Aroclor 1221	ND	36000	ug/kg
Aroclor 1232	ND	36000	ug/kg
Aroclor 1242	ND	36000	ug/kg
Aroclor 1248	ND	36000	ug/kg
Aroclor 1254	**190000**	**36000**	**ug/kg**
Aroclor 1260	ND	36000	ug/kg
Aroclor 1262	ND	36000	ug/kg
Aroclor 1268	ND	36000	ug/kg
Aroclors (Total)	**190000**	**36000**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	0.0 DIL,*	(30 - 150)
Decachlorobiphenyl	3880 DIL,*	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-9 0-3"

General Chemistry

Lot-Sample #...: A8J290302-005 **Work Order #...:** K1V5R **Matrix.....:** SO
Date Sampled...: 10/27/08 10:38 **Date Received..:** 10/29/08
% Moisture.....: 9.2

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**90.8**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305436**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-9 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290302-006 **Work Order #...:** K1V581AC **Matrix.....:** SO
Date Sampled...: 10/27/08 10:40 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 1
% Moisture.....: 13 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	38	ug/kg
Aroclor 1221	ND	38	ug/kg
Aroclor 1232	ND	38	ug/kg
Aroclor 1242	ND	38	ug/kg
Aroclor 1248	ND	38	ug/kg
Aroclor 1254	**180**	**38**	**ug/kg**
Aroclor 1260	ND	38	ug/kg
Aroclor 1262	ND	38	ug/kg
Aroclor 1268	ND	38	ug/kg
Aroclors (Total)	**180**	**38**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	91	(30 - 150)
Decachlorobiphenyl	96	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-9 1-2'

General Chemistry

Lot-Sample #...: A8J290302-006 **Work Order #...:** K1V58 **Matrix.....:** SO
Date Sampled...: 10/27/08 10:40 **Date Received..:** 10/29/08
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**87.0**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305436**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-9 2-3'

GC Semivolatiles

Lot-Sample #...: A8J290302-007 **Work Order #...:** K1V6F1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 10:44 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39	ug/kg
Aroclor 1221	ND	39	ug/kg
Aroclor 1232	ND	39	ug/kg
Aroclor 1242	ND	39	ug/kg
Aroclor 1248	ND	39	ug/kg
Aroclor 1254	ND	39	ug/kg
Aroclor 1260	ND	39	ug/kg
Aroclor 1262	ND	39	ug/kg
Aroclor 1268	ND	39	ug/kg
Aroclors (Total)	ND	39	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(30 - 150)
Decachlorobiphenyl	72	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-9 2-3'

General Chemistry

Lot-Sample #...: A8J290302-007 **Work Order #...:** K1V6F **Matrix.....:** SO
Date Sampled...: 10/27/08 10:44 **Date Received..:** 10/29/08
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**85.7**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305436**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-10 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290302-008 **Work Order #...:** K1V6J1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 10:49 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 1000
% Moisture.....: 14 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39000	ug/kg
Aroclor 1221	ND	39000	ug/kg
Aroclor 1232	ND	39000	ug/kg
Aroclor 1242	ND	39000	ug/kg
Aroclor 1248	ND	39000	ug/kg
Aroclor 1254	**160000**	**39000**	**ug/kg**
Aroclor 1260	ND	39000	ug/kg
Aroclor 1262	ND	39000	ug/kg
Aroclor 1268	ND	39000	ug/kg
Aroclors (Total)	**160000**	**39000**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	130 DIL	(30 - 150)
Decachlorobiphenyl	5280 DIL,*	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-10 0-3"

General Chemistry

Lot-Sample #...: A8J290302-008 **Work Order #...:** K1V6J **Matrix.....:** SO
Date Sampled...: 10/27/08 10:49 **Date Received..:** 10/29/08
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**85.7**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305436**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-10 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290302-009 **Work Order #...:** K1V6N1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 10:51 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 1
% Moisture.....: 22 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	42	ug/kg
Aroclor 1221	ND	42	ug/kg
Aroclor 1232	ND	42	ug/kg
Aroclor 1242	ND	42	ug/kg
Aroclor 1248	ND	42	ug/kg
Aroclor 1254	**230**	**42**	**ug/kg**
Aroclor 1260	ND	42	ug/kg
Aroclor 1262	ND	42	ug/kg
Aroclor 1268	ND	42	ug/kg
Aroclors (Total)	**230**	**42**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	84	(30 - 150)
Decachlorobiphenyl	80	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-10 1-2'

General Chemistry

Lot-Sample #...: A8J290302-009 **Work Order #...:** K1V6N **Matrix.....:** SO
Date Sampled...: 10/27/08 10:51 **Date Received..:** 10/29/08
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**78.2**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305436**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-10 2-4'

GC Semivolatiles

Lot-Sample #...: A8J290302-010 **Work Order #...:** K1V6P1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 10:55 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg
Aroclor 1262	ND	40	ug/kg
Aroclor 1268	ND	40	ug/kg
Aroclors (Total)	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	70	(30 - 150)
Decachlorobiphenyl	78	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-10 2-4'

General Chemistry

Lot-Sample #...: A8J290302-010 **Work Order #...:** K1V6P **Matrix.....:** SO
Date Sampled...: 10/27/08 10:55 **Date Received..:** 10/29/08
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**83.4**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305436**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: DUP 1

GC Semivolatiles

Lot-Sample #...: A8J290302-011 **Work Order #...:** K1V6Q1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 10:51 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 5
% Moisture.....: 16 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	200	ug/kg
Aroclor 1221	ND	200	ug/kg
Aroclor 1232	ND	200	ug/kg
Aroclor 1242	ND	200	ug/kg
Aroclor 1248	ND	200	ug/kg
Aroclor 1254	**800**	**200**	**ug/kg**
Aroclor 1260	ND	200	ug/kg
Aroclor 1262	ND	200	ug/kg
Aroclor 1268	ND	200	ug/kg
Aroclors (Total)	**800**	**200**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	69 DIL	(30 - 150)
Decachlorobiphenyl	72 DIL	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: DUP 1

General Chemistry

Lot-Sample #...: A8J290302-011 **Work Order #...:** K1V6Q **Matrix.....:** SO
Date Sampled...: 10/27/08 10:51 **Date Received..:** 10/29/08
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**83.8**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305436**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-11 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290302-012 **Work Order #...:** K1V6W1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 11:15 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 5000
% Moisture.....: 15 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	190000	ug/kg
Aroclor 1221	ND	190000	ug/kg
Aroclor 1232	ND	190000	ug/kg
Aroclor 1242	ND	190000	ug/kg
Aroclor 1248	ND	190000	ug/kg
Aroclor 1254	**1100000**	**190000**	**ug/kg**
Aroclor 1260	ND	190000	ug/kg
Aroclor 1262	ND	190000	ug/kg
Aroclor 1268	ND	190000	ug/kg
Aroclors (Total)	**1100000**	**190000**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	0.0 DIL,*	(30 - 150)
Decachlorobiphenyl	3130 DIL,*	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-11 0-3"

General Chemistry

Lot-Sample #...: A8J290302-012 **Work Order #...:** K1V6W **Matrix.....:** SO
Date Sampled...: 10/27/08 11:15 **Date Received..:** 10/29/08
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**85.1**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305436**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-11 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290302-013 **Work Order #...:** K1V621AC **Matrix.....:** SO
Date Sampled...: 10/27/08 11:17 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 100
% Moisture.....: 16 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	3900	ug/kg
Aroclor 1221	ND	3900	ug/kg
Aroclor 1232	ND	3900	ug/kg
Aroclor 1242	ND	3900	ug/kg
Aroclor 1248	ND	3900	ug/kg
Aroclor 1254	**37000**	**3900**	**ug/kg**
Aroclor 1260	ND	3900	ug/kg
Aroclor 1262	ND	3900	ug/kg
Aroclor 1268	ND	3900	ug/kg
Aroclors (Total)	**37000**	**3900**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	144 DIL	(30 - 150)
Decachlorobiphenyl	314 DIL,*	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-11 1-2'

General Chemistry

Lot-Sample #...: A8J290302-013 **Work Order #...:** K1V62 **Matrix.....:** SO
Date Sampled...: 10/27/08 11:17 **Date Received..:** 10/29/08
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**84.1**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305438**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-11 2-4'

GC Semivolatiles

Lot-Sample #...: A8J290302-014 **Work Order #...:** K1V641AC **Matrix.....:** SO
Date Sampled...: 10/27/08 11:20 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/04/08
Prep Batch #...: 8304042
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	42	ug/kg
Aroclor 1221	ND	42	ug/kg
Aroclor 1232	ND	42	ug/kg
Aroclor 1242	ND	42	ug/kg
Aroclor 1248	ND	42	ug/kg
Aroclor 1254	**250**	**42**	**ug/kg**
Aroclor 1260	ND	42	ug/kg
Aroclor 1262	ND	42	ug/kg
Aroclor 1268	ND	42	ug/kg
Aroclors (Total)	**250**	**42**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	75	(30 - 150)
Decachlorobiphenyl	81	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-11 2-4'

General Chemistry

Lot-Sample #...: A8J290302-014 **Work Order #...:** K1V64 **Matrix.....:** SO
Date Sampled...: 10/27/08 11:20 **Date Received..:** 10/29/08
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**78.9**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305438**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-12 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290302-015 **Work Order #...:** K1V651AC **Matrix.....:** SO
Date Sampled...: 10/27/08 11:29 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 2000
% Moisture.....: 20 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	83000	ug/kg
Aroclor 1221	ND	83000	ug/kg
Aroclor 1232	ND	83000	ug/kg
Aroclor 1242	ND	83000	ug/kg
Aroclor 1248	ND	83000	ug/kg
Aroclor 1254	**610000**	**83000**	**ug/kg**
Aroclor 1260	ND	83000	ug/kg
Aroclor 1262	ND	83000	ug/kg
Aroclor 1268	ND	83000	ug/kg
Aroclors (Total)	**610000**	**83000**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	0.0 DIL,*	(30 - 150)
Decachlorobiphenyl	1760 DIL,*	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-12 0-3"

General Chemistry

Lot-Sample #...: A8J290302-015 **Work Order #...:** K1V65 **Matrix.....:** SO
Date Sampled...: 10/27/08 11:29 **Date Received..:** 10/29/08
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**79.9**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305438**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-12 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290302-016 **Work Order #...:** K1V671AC **Matrix.....:** SO
Date Sampled...: 10/27/08 11:30 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 10
% Moisture.....: 22 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	420	ug/kg
Aroclor 1221	ND	420	ug/kg
Aroclor 1232	ND	420	ug/kg
Aroclor 1242	ND	420	ug/kg
Aroclor 1248	ND	420	ug/kg
Aroclor 1254	**1100**	**420**	**ug/kg**
Aroclor 1260	ND	420	ug/kg
Aroclor 1262	ND	420	ug/kg
Aroclor 1268	ND	420	ug/kg
Aroclors (Total)	**1100**	**420**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88 DIL	(30 - 150)
Decachlorobiphenyl	102 DIL	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-12 1-2'

General Chemistry

Lot-Sample #...: A8J290302-016 **Work Order #...:** K1V67 **Matrix.....:** SO
Date Sampled...: 10/27/08 11:30 **Date Received..:** 10/29/08
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**78.2**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305438**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-12 4-6'

GC Semivolatiles

Lot-Sample #...: A8J290302-017 **Work Order #...:** K1V691AC **Matrix.....:** SO
Date Sampled...: 10/27/08 11:42 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/04/08
Prep Batch #...: 8304042
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39	ug/kg
Aroclor 1221	ND	39	ug/kg
Aroclor 1232	ND	39	ug/kg
Aroclor 1242	ND	39	ug/kg
Aroclor 1248	ND	39	ug/kg
Aroclor 1254	**100**	**39**	**ug/kg**
Aroclor 1260	ND	39	ug/kg
Aroclor 1262	ND	39	ug/kg
Aroclor 1268	ND	39	ug/kg
Aroclors (Total)	**100**	**39**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	75	(30 - 150)
Decachlorobiphenyl	80	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-12 4-6'

General Chemistry

Lot-Sample #...: A8J290302-017 **Work Order #...:** K1V69 **Matrix.....:** SO
Date Sampled...: 10/27/08 11:42 **Date Received..:** 10/29/08
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**83.6**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305438**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-12 2-4'

GC Semivolatiles

Lot-Sample #...: A8J290302-018 **Work Order #...:** K1V7D1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 11:40 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/04/08
Prep Batch #...: 8304042
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	38	ug/kg
Aroclor 1221	ND	38	ug/kg
Aroclor 1232	ND	38	ug/kg
Aroclor 1242	ND	38	ug/kg
Aroclor 1248	ND	38	ug/kg
Aroclor 1254	**160**	**38**	**ug/kg**
Aroclor 1260	ND	38	ug/kg
Aroclor 1262	ND	38	ug/kg
Aroclor 1268	ND	38	ug/kg
Aroclors (Total)	**160**	**38**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	70	(30 - 150)
Decachlorobiphenyl	74	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-12 2-4'

General Chemistry

Lot-Sample #...: A8J290302-018 **Work Order #...:** K1V7D **Matrix.....:** SO
Date Sampled...: 10/27/08 11:40 **Date Received..:** 10/29/08
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**85.9**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305438**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: DUP 2

GC Semivolatiles

Lot-Sample #...: A8J290302-019 **Work Order #...:** K1V7G1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 11:40 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/04/08
Prep Batch #...: 8304042
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	**77**	**40**	**ug/kg**
Aroclor 1260	ND	40	ug/kg
Aroclor 1262	ND	40	ug/kg
Aroclor 1268	ND	40	ug/kg
Aroclors (Total)	**77**	**40**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(30 - 150)
Decachlorobiphenyl	81	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: DUP 2

General Chemistry

Lot-Sample #...: A8J290302-019 **Work Order #...:** K1V7G **Matrix.....:** SO
Date Sampled...: 10/27/08 11:40 **Date Received..:** 10/29/08
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**83.2**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305438**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-13 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290302-020 **Work Order #...:** K1V741AC **Matrix.....:** SO
Date Sampled...: 10/27/08 12:38 **Date Received..:** 10/29/08
Prep Date.....: 10/31/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8305039
Dilution Factor: 50
% Moisture.....: 21 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	2100	ug/kg
Aroclor 1221	ND	2100	ug/kg
Aroclor 1232	ND	2100	ug/kg
Aroclor 1242	ND	2100	ug/kg
Aroclor 1248	ND	2100	ug/kg
Aroclor 1254	**9600**	**2100**	**ug/kg**
Aroclor 1260	ND	2100	ug/kg
Aroclor 1262	ND	2100	ug/kg
Aroclor 1268	ND	2100	ug/kg
Aroclors (Total)	**9600**	**2100**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	103 DIL	(30 - 150)
Decachlorobiphenyl	63 DIL	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-13 0-3"

General Chemistry

Lot-Sample #...: A8J290302-020 **Work Order #...:** K1V74 **Matrix.....:** SO
Date Sampled...: 10/27/08 12:38 **Date Received..:** 10/29/08
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**78.7**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305438**

Dilution Factor: 1

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A8J290302 **Work Order #...:** K1WRL1AA **Matrix.....:** SOLID
MB Lot-Sample #: A8J300000-042
Prep Date.....: 10/30/08
Analysis Date..: 11/03/08 **Prep Batch #...:** 8304042
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082
Aroclor 1262	ND	33	ug/kg	SW846 8082
Aroclor 1268	ND	33	ug/kg	SW846 8082
Aroclors (Total)	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	122	(30 - 150)
Decachlorobiphenyl	82	(30 - 150)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A8J290302 **Work Order #...:** K107W1AA **Matrix.....:** SOLID
MB Lot-Sample #: A8J310000-039

Prep Date.....: 10/31/08
Analysis Date..: 11/03/08 **Prep Batch #...:** 8305039
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082
Aroclor 1262	ND	33	ug/kg	SW846 8082
Aroclor 1268	ND	33	ug/kg	SW846 8082
Aroclors (Total)	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	112	(30 - 150)
Decachlorobiphenyl	73	(30 - 150)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A8J290302 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids		Work Order #: K12MX1AA		MB Lot-Sample #:	A8J310000-436	
	ND	10.0	%	MCAWW 160.3 MOD	10/31-11/03/08	8305436
		Dilution Factor: 1				
Percent Solids		Work Order #: K12M21AA		MB Lot-Sample #:	A8J310000-438	
	ND	10.0	%	MCAWW 160.3 MOD	10/31-11/03/08	8305438
		Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A8J290302 **Work Order #...:** K1WRL1AC **Matrix.....:** SOLID
LCS Lot-Sample#: A8J300000-042
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**91**	**(40 - 140)**	**SW846 8082**
Aroclor 1260	**92**	**(40 - 140)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	118	(30 - 150)
Decachlorobiphenyl	90	(30 - 150)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A8J290302 **Work Order #...:** K107W1AC **Matrix.....:** SOLID
LCS Lot-Sample#: A8J310000-039
Prep Date.....: 10/31/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8305039
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**86**	**(40 - 140)**	**SW846 8082**
Aroclor 1260	**88**	**(40 - 140)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	103	(10 - 196)
Decachlorobiphenyl	79	(10 - 199)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A8J290302 **Work Order #...:** K1V4N1AD-MS **Matrix.....:** SO
MS Lot-Sample #: A8J290302-001 K1V4N1AE-MSD
Date Sampled...: 10/27/08 10:20 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304042
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**85**	**(40 - 140)**			**SW846 8082**
	82	**(40 - 140)**	**3.8**	**(0-50)**	**SW846 8082**
Aroclor 1260	**94**	**(40 - 140)**			**SW846 8082**
	95	**(40 - 140)**	**0.76**	**(0-50)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	84	(30 - 150)
	81	(30 - 150)
Decachlorobiphenyl	85	(30 - 150)
	75	(30 - 150)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A8J290302 **Work Order #...:** K1X4W1AR-MS **Matrix.....:** SOLID
MS Lot-Sample #: A8J300233-001 K1X4W1AT-MSD
Date Sampled...: 10/29/08 09:00 **Date Received..:** 10/30/08
Prep Date.....: 10/31/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8305039
Dilution Factor: 1 **% Moisture.....:** 100

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**57**	**(40 - 140)**			**SW846 8082**
	69	**(40 - 140)**	**18**	**(0-50)**	**SW846 8082**
Aroclor 1260	**44**	**(40 - 140)**			**SW846 8082**
	51	**(40 - 140)**	**14**	**(0-50)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	59	(10 - 196)
	64	(10 - 196)
Decachlorobiphenyl	42	(10 - 199)
	44	(10 - 199)

NOTE(S):

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

Bold print denotes control parameters

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A8J290302 **Work Order #...:** K1CDM-SMP K1CDM-DUP **Matrix.....:** SOLID
Date Sampled...: 10/21/08 10:00 **Date Received..:** 10/22/08
% Moisture.....: 19

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #:	A8J220148-004	
	80.9	81.5	%	0.68	(0-20)	MCAWW 160.3 MOD	10/31-11/03/08	8305436

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A8J290302 **Work Order #...:** K1V6Q-SMP **Matrix.....:** SO
K1V6Q-DUP
Date Sampled...: 10/27/08 10:51 **Date Received..:** 10/29/08
% Moisture.....: 16

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: A8J290302-011		
	83.8	81.6	%	2.6	(0-20)	MCAWW 160.3 MOD	10/31-11/03/08	8305436

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A8J290302 **Work Order #...:** K1T0E-SMP **Matrix.....:** SOLID
K1T0E-DUP
Date Sampled...: 10/27/08 12:10 **Date Received..:** 10/29/08
% Moisture.....: 34

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: C8J290157-008		
	65.5	73.3	%	11	(0-20)	MCAWW 160.3 MOD	10/31-11/03/08	8305438

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A8J290302 **Work Order #...:** K1V62-SMP **Matrix.....:** SO
K1V62-DUP
Date Sampled...: 10/27/08 11:17 **Date Received..:** 10/29/08
% Moisture.....: 16

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #:	A8J290302-013	
	84.1	83.2	%	1.0	(0-20)	MCAWW 160.3 MOD	10/31-11/03/08	8305438

Dilution Factor: 1

TestAmerica
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Chain of Custody Form

005648

•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: TIEME + BIND
Address:
Phone: Fax:
Client Project #: 12-613622
Site ID & State: E. HAMPTON, CT
Reports Sent To:
Email: Email Rpt: ☐

Job# | Quote# | PO#

Shaded areas for office use
Invoice same as Report to? ☐
If invoice contact or address different, note in *Comments*

Comments (*Special Instructions*)

Requested Turnaround Time (PLEASE SPECIFY)
STANDARD _____ 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 ☐

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.

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, S-Solids, "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 / 4º C	524 / 624 / 8260	525 / 625 / 8270	RCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity
PCB-7 2-4'	S	KRW	10/27/08 10:20	X		1	G							X			X							
PCB-8 0-3'	S	KRW	10/27/08 10:24	X		1	G							X			X							
PCB-8 1-2'	S	KRW	10/27/08 10:25	X		1	G							X			X							
PCB-8 2-3	S	KRW	10/27/08 10:24	X		1	G							X			X							
PCB-9 0-3"	S	KRW	10/27/08 10:38	X		1	G							X			X							
PCB-9 1-2'	S	KRW	10/27/08 10:40	X		1	G							X			X							
PCB-9 2-3'	S	KRW	10/27/08 10:44	X		1	G							X			X							
PCB-10 0-3"	S	KRW	10/27/08 10:49	X		1	G							X			X							
PCB-10 1-2'	S	KRW	10/27/08 10:51	X		1	G							X			X							
PCB-10 2-4'	S	KRW	10/27/08 10:55	X		1	G							X			X							

Comments:
* RCP CT
All analysis w/ soxhlet extract.

Sampled by (print): KARL R. WIKSTROM
Signature:

Cooler ? Y / N
MADEP Requirement Samples Iced? Y / N

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	10/28/08	FEDEX		10/29/08	10:10
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Temp @ receipt: _____ ºC
Preservation / pH checked? Y / N
By: _____ Date: _____

WESTFIELD

White = Lab file Yellow = Report copy Pink = Customer copy

WI-QA-010-REV 4A

TAL-8245-360 (0408)

TestAmerica
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Chain of Custody Form

005649

•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
Client Project #: 12-613622
Address:
Site ID & State: E. HAMPTON, CT
Reports Sent To:
Phone: Fax: Email: Email Rpt: ☐

Job# | Quote# | PO#

Shaded areas for office use
Invoice same as Report to? ☐
If Invoice contact or address different, note in *Comments*

Comments (*Special Instructions*)

Requested Turnaround Time (PLEASE SPECIFY)
STANDARD _____ 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 ☐

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.

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, S-Solids, "Z"- Other (please specify)

Sample I.D.	Sample Type	Sampler's Initials	Date / Time Collected	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 / 4º C	524 / 624 / 8260	525 / 625 / 8270	RCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity
DUP 1	S	KRW	10/27/08 09:51	X		1	G							X			X							
PCB-11 0-3"	S	KW	10/27/08 11:15	X		1	G							X			X							
PCB-11 1-2'	S	KW	10/27/08 11:17	X		1	G							X			X							
PCB-11 2-4'	S	KW	10/27/08 11:20	X		1	G							X			X							
PCB-12 0-3"	S	KW	10/27/08 11:29	X		1	G							X			X							
PCB-12 1-2'	S	KW	10/27/08 11:32	X		1	G							X			X							
PCB-12 4-6'	S	KW	10/27/08 11:42	X		1	G							X			X	KW						
PCB-12 2-4'	S	KW	10/27/08 11:40	X		1	G							X			X							
DUP 2	S	KW	10/27/08 11:40	X		1	G							X			X							
PCB-13 0-3"	S	KW	10/27/08 12:38	X		1	G							X			X							

Comments:
* RCP CT
All Analysis w/ soxhlet extract.

HOLD *

Sampled by (print): KARL R. WIKSTROM
Signature:

Cooler ? Y / N
MADEP Requirement Samples Iced? Y / N

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	10/28/08	FEDEX		10-29-08	1010
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Temp @ receipt: _____ ºC
Preservation / pH checked? Y / N
By: _____ Date: _____

WESTFIELD

White = Lab file Yellow = Report copy Pink = Customer copy

WI-QA-010-REV 4A

TAL-8245-360 (0408)

TestAmerica Cooler Receipt Form/Narrative **Lot Number:** A8J290302
North Canton Facility

Client Tighe + Bond Project _____ By: [signature] (Signature)
Cooler Received on 10-29-08 Opened on 10-29-08
FedEx ☐ UPS ☒ DHL ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____
TestAmerica Cooler # 680 Multiple Coolers ☐ Foam Box ☐ Client Cooler ☐ Other _____

1. Were custody seals on the outside of the cooler(s)? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒
   If YES, Quantity _____ Quantity Unsalvageable _____
   Were custody seals on the outside of cooler(s) signed and dated? Yes ☐ No ☐ NA ☒
   Were custody seals on the bottle(s)? Yes ☐ No ☒
   If YES, are there any exceptions? _____
2. Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☐
3. Did custody papers accompany the sample(s)? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Were the custody papers signed in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☐ Foam ☐ None ☒ Other _____
6. Cooler temperature upon receipt 0.8 °C See back of form for multiple coolers/temps ☐
   METHOD: IR ☒ Other ☐ _____
   COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels be reconciled with the COC? Yes ☒ No ☐
9. Were sample(s) at the correct pH upon receipt? Yes ☐ No ☐ NA ☒
10. Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a trip blank present in the cooler(s)? Yes ☒ No ☐ Were VOAs on the COC? Yes ☐ No ☒

Contacted PM _____ Date _____ by _____ via Verbal ☐ Voice Mail ☐ Other ☐
Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

_____

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). *Nitric Acid Lot# 031808-HNO_3; Sulfuric Acid Lot# 031808-H_2SO_4; Sodium Hydroxide Lot# 073007 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 050205-$(CH_3COO)_2ZN/NaOH$.* What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler #	Temp. °C	Method	Coolant

Discrepancies Cont'd:

END OF REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 12-613622

E. Hampton, CT

Lot #: A8J290315

Karl Wikstrom

Tighe & Bond
213 Court Street
Suite 900
Middletown, CT 06457

TESTAMERICA LABORATORIES, INC.

Kenneth J. Kuzior
Project Manager

November 11, 2008

CASE NARRATIVE

A8J290315

The following report contains the analytical results for twenty solid samples submitted to TestAmerica North Canton by Tighe & Bond, Inc. from the E. Hampton, CT Site, project number 12-613622. The samples were received October 29, 2008, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Karl Wikstrom on November 05, 2008. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

Any reference within this document to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.)

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters which are never reported on a dry weight basis is included on the Sample Summary.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Kenneth J. Kuzior, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is 65.

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 0.8°C.

POLYCHLORINATED BIPHENYLS-8082

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.

TestAmerica North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), OhioVAP (#CL0024), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit

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REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Test America - North Canton ***Client:*** Tighe & Bond

Project Location: E. Hampton, CT ***Project Number:*** 12-613622

Laboratory Sample ID(s): A8J290315-001 → 020 ***Sampling Date(s):*** 10/27/08

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8082

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 CTDEP 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 or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	☐Yes ☐ No ☒N/A
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 ☐ No ☐N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☒Yes ☐ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	☒Yes ☐ No ☒Yes ☐ No
6	For each analytical method referenced 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 an 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: [signature] **Position:** Project Manager

Printed Name: Frank J. Colavini **Date:** 11/13/08

Name of Laboratory Test America

This certification form is to be used for RCP methods only.

EXECUTIVE SUMMARY - Detection Highlights

A8J290315

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
PCB-13 1-2' 10/27/08 12:40 001				
Aroclor 1254	71	41	ug/kg	SW846 8082
Aroclors (Total)	71	41	ug/kg	SW846 8082
Percent Solids	80.6	10.0	%	MCAWW 160.3 MOD
PCB-13 4-6' 10/27/08 12:48 002				
Aroclor 1254	61	39	ug/kg	SW846 8082
Aroclors (Total)	61	39	ug/kg	SW846 8082
Percent Solids	84.4	10.0	%	MCAWW 160.3 MOD
PCB-14 0-3" 10/27/08 12:51 003				
Aroclor 1254	260	43	ug/kg	SW846 8082
Aroclors (Total)	260	43	ug/kg	SW846 8082
Percent Solids	75.9	10.0	%	MCAWW 160.3 MOD
PCB-14 1-2' 10/27/08 12:52 004				
Percent Solids	67.1	10.0	%	MCAWW 160.3 MOD
PCB-14 2-4' 10/27/08 12:55 005				
Percent Solids	77.2	10.0	%	MCAWW 160.3 MOD
PCB-15 0-3" 10/27/08 13:04 006				
Aroclor 1254	1300	400	ug/kg	SW846 8082
Aroclors (Total)	1300	400	ug/kg	SW846 8082
Percent Solids	81.6	10.0	%	MCAWW 160.3 MOD
PCB-15 1-2' 10/27/08 13:05 007				
Aroclor 1254	170	47	ug/kg	SW846 8082
Aroclors (Total)	170	47	ug/kg	SW846 8082
Percent Solids	70.1	10.0	%	MCAWW 160.3 MOD
PCB-15 2-4' 10/27/08 13:10 008				
Percent Solids	87.8	10.0	%	MCAWW 160.3 MOD

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A8J290315

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
PCB-16 0-3" 10/27/08 13:19 009				
Aroclor 1254	11000	2000	ug/kg	SW846 8082
Aroclors (Total)	11000	2000	ug/kg	SW846 8082
Percent Solids	82.0	10.0	%	MCAWW 160.3 MOD
PCB-16 1-2' 10/27/08 13:20 010				
Aroclor 1254	27 J	41	ug/kg	SW846 8082
Aroclors (Total)	27 J	41	ug/kg	SW846 8082
Percent Solids	80.6	10.0	%	MCAWW 160.3 MOD
PCB-16 2-4' 10/27/08 13:29 011				
Aroclor 1254	84	39	ug/kg	SW846 8082
Aroclors (Total)	84	39	ug/kg	SW846 8082
Percent Solids	83.7	10.0	%	MCAWW 160.3 MOD
PCB-17 0-3" 10/27/08 13:44 012				
Aroclor 1254	1500	500	ug/kg	SW846 8082
Aroclors (Total)	1500	500	ug/kg	SW846 8082
Percent Solids	66.0	10.0	%	MCAWW 160.3 MOD
PCB-17 1-2' 10/27/08 13:45 013				
Aroclor 1254	510	210	ug/kg	SW846 8082
Aroclors (Total)	510	210	ug/kg	SW846 8082
Percent Solids	77.0	10.0	%	MCAWW 160.3 MOD
PCB-17 2-4' 10/27/08 13:50 014				
Percent Solids	73.3	10.0	%	MCAWW 160.3 MOD
PCB-18 0-3" 10/27/08 13:55 015				
Aroclor 1254	1500	490	ug/kg	SW846 8082
Aroclors (Total)	1500	490	ug/kg	SW846 8082
Percent Solids	67.0	10.0	%	MCAWW 160.3 MOD
PCB-18 1-2' 10/27/08 13:50 016				
Percent Solids	73.9	10.0	%	MCAWW 160.3 MOD

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A8J290315

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
PCB-18 2-3' 10/27/08 13:59 017				
Percent Solids	80.9	10.0	%	MCAWW 160.3 MOD
PCB-19 0-3" 10/27/08 14:15 018				
Aroclor 1254	600	220	ug/kg	SW846 8082
Aroclors (Total)	600	220	ug/kg	SW846 8082
Percent Solids	75.3	10.0	%	MCAWW 160.3 MOD
PCB-19 1-2' 10/27/08 14:10 019				
Percent Solids	87.4	10.0	%	MCAWW 160.3 MOD
PCB-19 2-4' 10/27/08 14:20 020				
Percent Solids	77.2	10.0	%	MCAWW 160.3 MOD

ANALYTICAL METHODS SUMMARY

A8J290315

PARAMETER	ANALYTICAL METHOD
PCBs by SW-846 8082	SW846 8082
Total Residue as Percent Solids	MCAWW 160.3 MOD

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A8J290315

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K1V8V	001	PCB-13 1-2'	10/27/08	12:40
K1V9M	002	PCB-13 4-6'	10/27/08	12:48
K1V9W	003	PCB-14 0-3"	10/27/08	12:51
K1V91	004	PCB-14 1-2'	10/27/08	12:52
K1V94	005	PCB-14 2-4'	10/27/08	12:55
K1V97	006	PCB-15 0-3"	10/27/08	13:04
K1WAC	007	PCB-15 1-2'	10/27/08	13:05
K1WAF	008	PCB-15 2-4'	10/27/08	13:10
K1WAH	009	PCB-16 0-3"	10/27/08	13:19
K1WAL	010	PCB-16 1-2'	10/27/08	13:20
K1WAN	011	PCB-16 2-4'	10/27/08	13:29
K1WAQ	012	PCB-17 0-3"	10/27/08	13:44
K1WA8	013	PCB-17 1-2'	10/27/08	13:45
K1WA9	014	PCB-17 2-4'	10/27/08	13:50
K1WCD	015	PCB-18 0-3"	10/27/08	13:55
K1WCG	016	PCB-18 1-2'	10/27/08	13:50
K1WCL	017	PCB-18 2-3'	10/27/08	13:59
K1WCP	018	PCB-19 0-3"	10/27/08	14:15
K1WCQ	019	PCB-19 1-2'	10/27/08	14:10
K1WCR	020	PCB-19 2-4'	10/27/08	14:20

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Tighe & Bond

Client Sample ID: PCB-13 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290315-001 **Work Order #...:** K1V8V1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 12:40 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	41	ug/kg
Aroclor 1221	ND	41	ug/kg
Aroclor 1232	ND	41	ug/kg
Aroclor 1242	ND	41	ug/kg
Aroclor 1248	ND	41	ug/kg
Aroclor 1254	**71**	**41**	**ug/kg**
Aroclor 1260	ND	41	ug/kg
Aroclor 1262	ND	41	ug/kg
Aroclor 1268	ND	41	ug/kg
Aroclors (Total)	**71**	**41**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	64	(30 - 150)
Decachlorobiphenyl	70	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-13 1-2'

General Chemistry

Lot-Sample #...: A8J290315-001 **Work Order #...:** K1V8V **Matrix.....:** SO
Date Sampled...: 10/27/08 12:40 **Date Received..:** 10/29/08
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**80.6**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305459**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-13 4-6'

GC Semivolatiles

Lot-Sample #...: A8J290315-002 **Work Order #...:** K1V9M1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 12:48 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39	ug/kg
Aroclor 1221	ND	39	ug/kg
Aroclor 1232	ND	39	ug/kg
Aroclor 1242	ND	39	ug/kg
Aroclor 1248	ND	39	ug/kg
Aroclor 1254	**61**	**39**	**ug/kg**
Aroclor 1260	ND	39	ug/kg
Aroclor 1262	ND	39	ug/kg
Aroclor 1268	ND	39	ug/kg
Aroclors (Total)	**61**	**39**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(30 - 150)
Decachlorobiphenyl	83	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-13 4-6'

General Chemistry

Lot-Sample #...: A8J290315-002 **Work Order #...:** K1V9M **Matrix.....:** SO
Date Sampled...: 10/27/08 12:48 **Date Received..:** 10/29/08
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**84.4**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305459**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-14 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290315-003 **Work Order #...:** K1V9W1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 12:51 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 1
% Moisture.....: 24 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	43	ug/kg
Aroclor 1221	ND	43	ug/kg
Aroclor 1232	ND	43	ug/kg
Aroclor 1242	ND	43	ug/kg
Aroclor 1248	ND	43	ug/kg
Aroclor 1254	**260**	**43**	**ug/kg**
Aroclor 1260	ND	43	ug/kg
Aroclor 1262	ND	43	ug/kg
Aroclor 1268	ND	43	ug/kg
Aroclors (Total)	**260**	**43**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(30 - 150)
Decachlorobiphenyl	61	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-14 0-3"

General Chemistry

Lot-Sample #...: A8J290315-003 **Work Order #...:** K1V9W **Matrix.....:** SO
Date Sampled...: 10/27/08 12:51 **Date Received..:** 10/29/08
% Moisture.....: 24

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**75.9**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305459**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-14 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290315-004 **Work Order #...:** K1V911AC **Matrix.....:** SO
Date Sampled...: 10/27/08 12:52 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 1
% Moisture.....: 33 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	49	ug/kg
Aroclor 1221	ND	49	ug/kg
Aroclor 1232	ND	49	ug/kg
Aroclor 1242	ND	49	ug/kg
Aroclor 1248	ND	49	ug/kg
Aroclor 1254	ND	49	ug/kg
Aroclor 1260	ND	49	ug/kg
Aroclor 1262	ND	49	ug/kg
Aroclor 1268	ND	49	ug/kg
Aroclors (Total)	ND	49	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	71	(30 - 150)
Decachlorobiphenyl	70	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-14 1-2'

General Chemistry

Lot-Sample #...: A8J290315-004 **Work Order #...:** K1V91 **Matrix.....:** SO
Date Sampled...: 10/27/08 12:52 **Date Received..:** 10/29/08
% Moisture.....: 33

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**67.1**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305459**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-14 2-4'

GC Semivolatiles

Lot-Sample #...: A8J290315-005 **Work Order #...:** K1V941AC **Matrix.....:** SO
Date Sampled...: 10/27/08 12:55 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 1
% Moisture.....: 23 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	43	ug/kg
Aroclor 1221	ND	43	ug/kg
Aroclor 1232	ND	43	ug/kg
Aroclor 1242	ND	43	ug/kg
Aroclor 1248	ND	43	ug/kg
Aroclor 1254	ND	43	ug/kg
Aroclor 1260	ND	43	ug/kg
Aroclor 1262	ND	43	ug/kg
Aroclor 1268	ND	43	ug/kg
Aroclors (Total)	ND	43	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(30 - 150)
Decachlorobiphenyl	66	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-14 2-4'

General Chemistry

Lot-Sample #...: A8J290315-005 **Work Order #...:** K1V94 **Matrix.....:** SO
Date Sampled...: 10/27/08 12:55 **Date Received..:** 10/29/08
% Moisture.....: 23

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**77.2**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305459**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-15 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290315-006 **Work Order #...:** K1V971AC **Matrix.....:** SO
Date Sampled...: 10/27/08 13:04 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 10
% Moisture.....: 18 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	400	ug/kg
Aroclor 1221	ND	400	ug/kg
Aroclor 1232	ND	400	ug/kg
Aroclor 1242	ND	400	ug/kg
Aroclor 1248	ND	400	ug/kg
Aroclor 1254	**1300**	**400**	**ug/kg**
Aroclor 1260	ND	400	ug/kg
Aroclor 1262	ND	400	ug/kg
Aroclor 1268	ND	400	ug/kg
Aroclors (Total)	**1300**	**400**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	93 DIL	(30 - 150)
Decachlorobiphenyl	102 DIL	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-15 0-3"

General Chemistry

Lot-Sample #...: A8J290315-006 **Work Order #...:** K1V97 **Matrix.....:** SO
Date Sampled...: 10/27/08 13:04 **Date Received..:** 10/29/08
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**81.6**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305459**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-15 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290315-007 **Work Order #...:** K1WAC1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 13:05 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 1
% Moisture.....: 30 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	47	ug/kg
Aroclor 1221	ND	47	ug/kg
Aroclor 1232	ND	47	ug/kg
Aroclor 1242	ND	47	ug/kg
Aroclor 1248	ND	47	ug/kg
Aroclor 1254	**170**	**47**	**ug/kg**
Aroclor 1260	ND	47	ug/kg
Aroclor 1262	ND	47	ug/kg
Aroclor 1268	ND	47	ug/kg
Aroclors (Total)	**170**	**47**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	61	(30 - 150)
Decachlorobiphenyl	56	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-15 1-2'

General Chemistry

Lot-Sample #...: A8J290315-007 **Work Order #...:** K1WAC **Matrix.....:** SO
Date Sampled...: 10/27/08 13:05 **Date Received..:** 10/29/08
% Moisture.....: 30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**70.1**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305460**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-15 2-4'

GC Semivolatiles

Lot-Sample #...: A8J290315-008 **Work Order #...:** K1WAF1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 13:10 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 1
% Moisture.....: 12 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	38	ug/kg
Aroclor 1221	ND	38	ug/kg
Aroclor 1232	ND	38	ug/kg
Aroclor 1242	ND	38	ug/kg
Aroclor 1248	ND	38	ug/kg
Aroclor 1254	ND	38	ug/kg
Aroclor 1260	ND	38	ug/kg
Aroclor 1262	ND	38	ug/kg
Aroclor 1268	ND	38	ug/kg
Aroclors (Total)	ND	38	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	64	(30 - 150)
Decachlorobiphenyl	63	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-15 2-4'

General Chemistry

Lot-Sample #...: A8J290315-008 **Work Order #...:** K1WAF **Matrix.....:** SO
Date Sampled...: 10/27/08 13:10 **Date Received..:** 10/29/08
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**87.8**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305460**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-16 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290315-009 **Work Order #...:** K1WAH1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 13:19 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 50
% Moisture.....: 18 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	2000	ug/kg
Aroclor 1221	ND	2000	ug/kg
Aroclor 1232	ND	2000	ug/kg
Aroclor 1242	ND	2000	ug/kg
Aroclor 1248	ND	2000	ug/kg
Aroclor 1254	**11000**	**2000**	**ug/kg**
Aroclor 1260	ND	2000	ug/kg
Aroclor 1262	ND	2000	ug/kg
Aroclor 1268	ND	2000	ug/kg
Aroclors (Total)	**11000**	**2000**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	99 DIL	(30 - 150)
Decachlorobiphenyl	110 DIL	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-16 0-3"

General Chemistry

Lot-Sample #...: A8J290315-009 **Work Order #...:** K1WAH **Matrix.....:** SO
Date Sampled...: 10/27/08 13:19 **Date Received..:** 10/29/08
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**82.0**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305460**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-16 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290315-010 **Work Order #...:** K1WAL1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 13:20 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	41	ug/kg
Aroclor 1221	ND	41	ug/kg
Aroclor 1232	ND	41	ug/kg
Aroclor 1242	ND	41	ug/kg
Aroclor 1248	ND	41	ug/kg
Aroclor 1254	**27 J**	**41**	**ug/kg**
Aroclor 1260	ND	41	ug/kg
Aroclor 1262	ND	41	ug/kg
Aroclor 1268	ND	41	ug/kg
Aroclors (Total)	**27 J**	**41**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	71	(30 - 150)
Decachlorobiphenyl	72	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Tighe & Bond

Client Sample ID: PCB-16 1-2'

General Chemistry

Lot-Sample #...: A8J290315-010 **Work Order #...:** K1WAL **Matrix.....:** SO
Date Sampled...: 10/27/08 13:20 **Date Received..:** 10/29/08
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**80.6**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305460**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-16 2-4'

GC Semivolatiles

Lot-Sample #...: A8J290315-011 **Work Order #...:** K1WAN1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 13:29 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 1
% Moisture.....: 16 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	39	ug/kg
Aroclor 1221	ND	39	ug/kg
Aroclor 1232	ND	39	ug/kg
Aroclor 1242	ND	39	ug/kg
Aroclor 1248	ND	39	ug/kg
Aroclor 1254	**84**	**39**	**ug/kg**
Aroclor 1260	ND	39	ug/kg
Aroclor 1262	ND	39	ug/kg
Aroclor 1268	ND	39	ug/kg
Aroclors (Total)	**84**	**39**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	72	(30 - 150)
Decachlorobiphenyl	74	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-16 2-4'

General Chemistry

Lot-Sample #...: A8J290315-011 **Work Order #...:** K1WAN **Matrix.....:** SO
Date Sampled...: 10/27/08 13:29 **Date Received..:** 10/29/08
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**83.7**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305460**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-17 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290315-012 **Work Order #...:** K1WAQ1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 13:44 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 10
% Moisture.....: 34 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	500	ug/kg
Aroclor 1221	ND	500	ug/kg
Aroclor 1232	ND	500	ug/kg
Aroclor 1242	ND	500	ug/kg
Aroclor 1248	ND	500	ug/kg
Aroclor 1254	**1500**	**500**	**ug/kg**
Aroclor 1260	ND	500	ug/kg
Aroclor 1262	ND	500	ug/kg
Aroclor 1268	ND	500	ug/kg
Aroclors (Total)	**1500**	**500**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	91 DIL	(30 - 150)
Decachlorobiphenyl	98 DIL	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-17 0-3"

General Chemistry

Lot-Sample #...: A8J290315-012 **Work Order #...:** K1WAQ **Matrix.....:** SO
Date Sampled...: 10/27/08 13:44 **Date Received..:** 10/29/08
% Moisture.....: 34

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**66.0**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305460**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-17 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290315-013 **Work Order #...:** K1WA81AC **Matrix.....:** SO
Date Sampled...: 10/27/08 13:45 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 5
% Moisture.....: 23 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	210	ug/kg
Aroclor 1221	ND	210	ug/kg
Aroclor 1232	ND	210	ug/kg
Aroclor 1242	ND	210	ug/kg
Aroclor 1248	ND	210	ug/kg
Aroclor 1254	**510**	**210**	**ug/kg**
Aroclor 1260	ND	210	ug/kg
Aroclor 1262	ND	210	ug/kg
Aroclor 1268	ND	210	ug/kg
Aroclors (Total)	**510**	**210**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	91 DIL	(30 - 150)
Decachlorobiphenyl	99 DIL	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-17 1-2'

General Chemistry

Lot-Sample #...: A8J290315-013 **Work Order #...:** K1WA8 **Matrix.....:** SO
Date Sampled...: 10/27/08 13:45 **Date Received..:** 10/29/08
% Moisture.....: 23

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**77.0**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305460**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-17 2-4'

GC Semivolatiles

Lot-Sample #...: A8J290315-014 **Work Order #...:** K1WA91AC **Matrix.....:** SO
Date Sampled...: 10/27/08 13:50 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 1
% Moisture.....: 27 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	45	ug/kg
Aroclor 1221	ND	45	ug/kg
Aroclor 1232	ND	45	ug/kg
Aroclor 1242	ND	45	ug/kg
Aroclor 1248	ND	45	ug/kg
Aroclor 1254	ND	45	ug/kg
Aroclor 1260	ND	45	ug/kg
Aroclor 1262	ND	45	ug/kg
Aroclor 1268	ND	45	ug/kg
Aroclors (Total)	ND	45	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	67	(30 - 150)
Decachlorobiphenyl	69	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-17 2-4'

General Chemistry

Lot-Sample #...: A8J290315-014 **Work Order #...:** K1WA9 **Matrix.....:** SO
Date Sampled...: 10/27/08 13:50 **Date Received..:** 10/29/08
% Moisture.....: 27

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**73.3**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305460**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-18 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290315-015 **Work Order #...:** K1WCD1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 13:55 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 10
% Moisture.....: 33 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	490	ug/kg
Aroclor 1221	ND	490	ug/kg
Aroclor 1232	ND	490	ug/kg
Aroclor 1242	ND	490	ug/kg
Aroclor 1248	ND	490	ug/kg
Aroclor 1254	**1500**	**490**	**ug/kg**
Aroclor 1260	ND	490	ug/kg
Aroclor 1262	ND	490	ug/kg
Aroclor 1268	ND	490	ug/kg
Aroclors (Total)	**1500**	**490**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	99 DIL	(30 - 150)
Decachlorobiphenyl	119 DIL	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-18 0-3"

General Chemistry

Lot-Sample #...: A8J290315-015 **Work Order #...:** K1WCD **Matrix.....:** SO
Date Sampled...: 10/27/08 13:55 **Date Received..:** 10/29/08
% Moisture.....: 33

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**67.0**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305460**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-18 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290315-016 **Work Order #...:** K1WCG1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 13:50 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 1
% Moisture.....: 26 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	45	ug/kg
Aroclor 1221	ND	45	ug/kg
Aroclor 1232	ND	45	ug/kg
Aroclor 1242	ND	45	ug/kg
Aroclor 1248	ND	45	ug/kg
Aroclor 1254	ND	45	ug/kg
Aroclor 1260	ND	45	ug/kg
Aroclor 1262	ND	45	ug/kg
Aroclor 1268	ND	45	ug/kg
Aroclors (Total)	ND	45	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	65	(30 - 150)
Decachlorobiphenyl	67	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-18 1-2'

General Chemistry

Lot-Sample #...: A8J290315-016 **Work Order #...:** K1WCG **Matrix.....:** SO
Date Sampled...: 10/27/08 13:50 **Date Received..:** 10/29/08
% Moisture.....: 26

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**73.9**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305460**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-18 2-3'

GC Semivolatiles

Lot-Sample #...: A8J290315-017 **Work Order #...:** K1WCL1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 13:59 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	41	ug/kg
Aroclor 1221	ND	41	ug/kg
Aroclor 1232	ND	41	ug/kg
Aroclor 1242	ND	41	ug/kg
Aroclor 1248	ND	41	ug/kg
Aroclor 1254	ND	41	ug/kg
Aroclor 1260	ND	41	ug/kg
Aroclor 1262	ND	41	ug/kg
Aroclor 1268	ND	41	ug/kg
Aroclors (Total)	ND	41	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	69	(30 - 150)
Decachlorobiphenyl	72	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-18 2-3'

General Chemistry

Lot-Sample #...: A8J290315-017 **Work Order #...:** K1WCL **Matrix.....:** SO
Date Sampled...: 10/27/08 13:59 **Date Received..:** 10/29/08
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**80.9**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305460**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-19 0-3"

GC Semivolatiles

Lot-Sample #...: A8J290315-018 **Work Order #...:** K1WCP1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 14:15 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 5
% Moisture.....: 25 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	220	ug/kg
Aroclor 1221	ND	220	ug/kg
Aroclor 1232	ND	220	ug/kg
Aroclor 1242	ND	220	ug/kg
Aroclor 1248	ND	220	ug/kg
Aroclor 1254	**600**	**220**	**ug/kg**
Aroclor 1260	ND	220	ug/kg
Aroclor 1262	ND	220	ug/kg
Aroclor 1268	ND	220	ug/kg
Aroclors (Total)	**600**	**220**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	85 DIL	(30 - 150)
Decachlorobiphenyl	97 DIL	(30 - 150)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-19 0-3"

General Chemistry

Lot-Sample #...: A8J290315-018 **Work Order #...:** K1WCP **Matrix.....:** SO
Date Sampled...: 10/27/08 14:15 **Date Received..:** 10/29/08
% Moisture.....: 25

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**75.3**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305460**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-19 1-2'

GC Semivolatiles

Lot-Sample #...: A8J290315-019 **Work Order #...:** K1WCQ1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 14:10 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 1
% Moisture.....: 13 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	38	ug/kg
Aroclor 1221	ND	38	ug/kg
Aroclor 1232	ND	38	ug/kg
Aroclor 1242	ND	38	ug/kg
Aroclor 1248	ND	38	ug/kg
Aroclor 1254	ND	38	ug/kg
Aroclor 1260	ND	38	ug/kg
Aroclor 1262	ND	38	ug/kg
Aroclor 1268	ND	38	ug/kg
Aroclors (Total)	ND	38	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	62	(30 - 150)
Decachlorobiphenyl	63	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-19 1-2'

General Chemistry

Lot-Sample #...: A8J290315-019 **Work Order #...:** K1WCQ **Matrix.....:** SO
Date Sampled...: 10/27/08 14:10 **Date Received..:** 10/29/08
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**87.4**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305460**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-19 2-4'

GC Semivolatiles

Lot-Sample #...: A8J290315-020 **Work Order #...:** K1WCR1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 14:20 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 1
% Moisture.....: 23 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	43	ug/kg
Aroclor 1221	ND	43	ug/kg
Aroclor 1232	ND	43	ug/kg
Aroclor 1242	ND	43	ug/kg
Aroclor 1248	ND	43	ug/kg
Aroclor 1254	ND	43	ug/kg
Aroclor 1260	ND	43	ug/kg
Aroclor 1262	ND	43	ug/kg
Aroclor 1268	ND	43	ug/kg
Aroclors (Total)	ND	43	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	68	(30 - 150)
Decachlorobiphenyl	74	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-19 2-4'

General Chemistry

Lot-Sample #...: A8J290315-020 **Work Order #...:** K1WCR **Matrix.....:** SO
Date Sampled...: 10/27/08 14:20 **Date Received..:** 10/29/08
% Moisture.....: 23

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**77.2**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305460**

Dilution Factor: 1

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A8J290315 **Work Order #...:** K1WRM1AA **Matrix.....:** SOLID
MB Lot-Sample #: A8J300000-043
Prep Date.....: 10/30/08
Analysis Date..: 11/03/08 **Prep Batch #...:** 8304043
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082
Aroclor 1262	ND	33	ug/kg	SW846 8082
Aroclor 1268	ND	33	ug/kg	SW846 8082
Aroclors (Total)	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	66	(30 - 150)
Decachlorobiphenyl	66	(30 - 150)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A8J290315 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids		Work Order #: K12R01AA		MB Lot-Sample #:	A8J310000-459	
	ND	10.0	%	MCAWW 160.3 MOD	10/31-11/03/08	8305459
		Dilution Factor: 1				
Percent Solids		Work Order #: K12R21AA		MB Lot-Sample #:	A8J310000-460	
	ND	10.0	%	MCAWW 160.3 MOD	10/31-11/03/08	8305460
		Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A8J290315 **Work Order #...:** K1WRM1AC **Matrix.....:** SOLID
LCS Lot-Sample#: A8J300000-043
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**72**	**(40 - 140)**	**SW846 8082**
Aroclor 1260	**78**	**(40 - 140)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(30 - 150)
Decachlorobiphenyl	81	(30 - 150)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A8J290315 **Work Order #...:** K1V8V1AD-MS **Matrix.....:** SO
MS Lot-Sample #: A8J290315-001 K1V8V1AE-MSD
Date Sampled...: 10/27/08 12:40 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304043
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**75**	**(40 - 140)**			**SW846 8082**
	70	**(40 - 140)**	**5.7**	**(0-50)**	**SW846 8082**
Aroclor 1260	**96**	**(40 - 140)**			**SW846 8082**
	105	**(40 - 140)**	**9.1**	**(0-50)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(30 - 150)
	70	(30 - 150)
Decachlorobiphenyl	81	(30 - 150)
	85	(30 - 150)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A8J290315 **Work Order #...:** K1T0L-SMP **Matrix.....:** SOLID
K1T0L-DUP
Date Sampled...: 10/27/08 12:50 **Date Received..:** 10/29/08
% Moisture.....: 14

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: C8J290157-011		
	85.9	88.4	%	2.9	(0-20)	MCAWW 160.3 MOD	10/31-11/03/08	8305459

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A8J290315 **Work Order #...:** K1V94-SMP **Matrix.....:** SO
K1V94-DUP
Date Sampled...: 10/27/08 12:55 **Date Received..:** 10/29/08
% Moisture.....: 23

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #:	A8J290315-005	
	77.2	77.3	%	0.19	(0-20)	MCAWW 160.3 MOD	10/31-11/03/08	8305459

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A8J290315 **Work Order #...:** K1WAC-SMP **Matrix.....:** SO
K1WAC-DUP
Date Sampled...: 10/27/08 13:05 **Date Received..:** 10/29/08
% Moisture.....: 30

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #:	A8J290315-007	
	70.1	74.6	%	6.1	(0-20)	MCAWW 160.3 MOD	10/31-11/03/08	8305460

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A8J290315 **Work Order #...:** K1WCQ-SMP **Matrix.....:** SO
K1WCQ-DUP
Date Sampled...: 10/27/08 14:10 **Date Received..:** 10/29/08
% Moisture.....: 13

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #:	A8J290315-019	
	87.4	87.3	%	0.17	(0-20)	MCAWW 160.3 MOD	10/31-11/03/08	8305460

Dilution Factor: 1

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Chain of Custody Form

005650

•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
Client Project #: 12-0136 22
Address:
Site ID & State: E. HAMPTON, CT
Reports Sent To:
Phone: Fax: Email: Email Rpt: ☐

Job# | 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 _____ 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 ☐

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, S-Solids, "Z"- Other (please specify)

Sample I.D.	Sample Type	Sampler's Initials	Date / Time Collected	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 / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity
PCB-13 1-2'	S	JW	10/27/08 12:40	X		1	G							X			X							
PCB-13 4-6	S	JW	10/27/08 12:48	X		1	G							X			X							
PCB-14 0-3"	S	JW	10/27/08 12:51	X		1	G							X			X							
PCB-14 1-2'	S	JW	10/27/08 12:52	X		1	G							X			X							
PCB-14 2-4'	S	JW	10/27/08 12:55	X		1	G							X			X							
PCB-15 0-3"	S	JW	10/27/08 13:04	X		1	G							X			X							
PCB-15 1-2'	S	JW	10/27/08 13:05	X		1	G							X			X							
PCB-15 2-4	S	JW	10/27/08 13:40	X		1	G							X			X							
PCB-16 0-3"	S	JW	10/27/08 13:19	X		1	G							X			X							
PCB-16 1-2'	S	JW	10/27/08 13:20	X		1	G							X			X							

Comments:
* RCP - CT
All analysis w/ soxhlet extract.

Sampled by (print): KARL R. WESTRIN
Signature:

Relinquished by: Date: 10/28/08 Time: FEDEX
Received by: Date: 10-29-08 Time: 10:10
Relinquished by: Date: Time:
Received by: Date: Time:
Relinquished by: Date: Time:
Received by: Date: Time:

Cooler ? Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: _____ °C
Preservation / pH checked? Y / N
By: _____ Date: _____

WESTFIELD

White = Lab file Yellow = Report copy Pink = Customer copy

WI-QA-010-REV 4A

TAL-8245-360 (0408)

TestAmerica
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Chain of Custody Form

005651

•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
Client Project #: 12-613622
Site ID & State: E. HAMPTON, CT
Reports Sent To:
Address:
Phone: Fax: Email: Email Rpt: ☐

Job# | Quote# | PO#

Shaded areas for office use
Invoice same as Report to? ☐
If Invoice contact or address different, note in *Comments*

Comments (*Special Instructions*)

Requested Turnaround Time (PLEASE SPECIFY)
STANDARD _____ 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 ☐

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.

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, S-Solids, "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 / 4° C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity
PCB-16 2-4	S	KW	10/27/08 13:29	X		1	G							X			X							
PCB-17 0-3"	S	KW	10/27/08 13:44	X		1	G							X			X							
PCB-17 1-2'	S	KW	10/27/08 13:45	X		1	G							X			X							
PCB-17 2-4'	S	KW	10/27/08 13:50	X		1	G							X			X							
PCB-18 0-3"	S	KW	10/27/08 13:55	X		1	G							X			X							
PCB-18 1-2'	S	KW	~~13:50~~ 10/27/08 13:50	X		1	G							X			X							
PCB-18 2-3'	S	KW	10/27/08 13:59	X		1	G							X			X							
PCB-19 0-3"	S	KW	10/27/08 14:15	X		1	G							X			X							
PCB-19 1-2'	S	KW	10/27/08 14:10	X		1	G							X			X							
PCB-19 2-4'	S	KW	10/27/08 14:20	X		1	G							X			X							

Comments:
* RCP - CT

Sampled by (print): KARL R. WIKSTROM
Signature:

Cooler ? Y / N
MADEP Requirement Samples Iced? Y / N

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	10/28/08	FedEx		10-28-08	10:10
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Temp @ receipt: _____ °C
Preservation / pH checked? Y / N
By: _____ Date: _____

WESTFIELD

White = Lab file Yellow = Report copy Pink = Customer copy

WI-QA-010-REV 4A

TAL-8245-360 (0408)

TestAmerica Cooler Receipt Form/Narrative **Lot Number:** A8J290315

North Canton Facility

Client Tighe + Bond Project _____ By: [signature]

Cooler Received on 10-29-08 Opened on 10-29-08 (Signature)

FedEx ☐ UPS ☒ DHL ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____

TestAmerica Cooler # 680 Multiple Coolers ☐ Foam Box ☐ Client Cooler ☐ Other _____

1. Were custody seals on the outside of the cooler(s)? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒
   If YES, Quantity _____ Quantity Unsalvageable _____
   Were custody seals on the outside of cooler(s) signed and dated? Yes ☐ No ☐ NA ☒
   Were custody seals on the bottle(s)? Yes ☐ No ☒
   If YES, are there any exceptions? _____
2. Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☐
3. Did custody papers accompany the sample(s)? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Were the custody papers signed in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☐ Foam ☐ None ☒ Other _____
6. Cooler temperature upon receipt 0.8 °C See back of form for multiple coolers/temps ☐
   METHOD: IR ☒ Other ☐ _____
   COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels be reconciled with the COC? Yes ☒ No ☐
9. Were sample(s) at the correct pH upon receipt? Yes ☐ No ☐ NA ☒
10. Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a trip blank present in the cooler(s)? Yes ☒ No ☐ Were VOAs on the COC? Yes ☐ No ☒

Contacted PM _____ Date _____ by _____ via Verbal ☐ Voice Mail ☐ Other ☐

Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

_____

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). *Nitric Acid Lot# 031808-HNO_3; Sulfuric Acid Lot# 031808-H_2SO_4; Sodium Hydroxide Lot# 073007 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 050205-$(CH_3COO)_2ZN/NaOH$.* What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler #	Temp. °C	Method	Coolant

Discrepancies Cont'd:

END OF REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 12-613622

E. HAMPTON, CT

Lot #: A8J290319

Karl Wikstrom

Tighe & Bond
213 Court Street
Suite 900
Middletown, CT 06457

TESTAMERICA LABORATORIES, INC.

Kenneth J. Kuzior
Project Manager

November 11, 2008

CASE NARRATIVE

A8J290319

The following report contains the analytical results for four solid samples, one water sample and one quality control sample submitted to TestAmerica North Canton by Tighe & Bond, Inc. from the E. Hampton, CT Site, project number 12-613622. The samples were received October 29, 2008, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

Any reference within this document to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.)

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters which are never reported on a dry weight basis is included on the Sample Summary.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Kenneth J. Kuzior, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is 33.

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 0.8°C.

POLYCHLORINATED BIPHENYLS-8082

The matrix spike/matrix spike duplicate data for batch(es) 8305032 are not included in this report. The batch QC samples, which document the effect of a specific sample matrix on method performance, were not associated with a sample reported in this lot. The data, therefore, has no bearing on the samples reported herein. In order to document compliance with the QC requirement for an MS/MSD per 20 environmental samples, a summary of sample/QC associations has been provided following this case narrative.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.

TestAmerica North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), OhioVAP (#CL0024), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit

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TESTAMERICA LABORATORIES, INC.

MS RUN NUMBER REVIEW

Lot ID	Smp#	Work Order	Batch	MS Run#	SDG	Prep Date	Method
I8J290162	002	K1TXN1AJ	8305031	8305022		10/31/08	SW846 8082
I8J290162	003	K1TXW1AJ	8305031	8305022		10/31/08	SW846 8082
I8J290162	004	K1TX31AJ	8305031	8305022		10/31/08	SW846 8082
I8J290162	007	K1TX91AJ	8305031	8305022		10/31/08	SW846 8082
I8J290162	008	K1T0C1AJ	8305031	8305022		10/31/08	SW846 8082
I8J290162	009	K1T0G1AJ	8305031	8305022		10/31/08	SW846 8082
I8J290162	009	K1T0G1A3 D	8305031	8305022		10/31/08	SW846 8082
I8J290162	009	K1T0G1A2 S	8305031	8305022		10/31/08	SW846 8082
I8J290162	010	K1T0T1AJ	8305031	8305022		10/31/08	SW846 8082
I8J290162	011	K1T0X1AJ	8305031	8305022		10/31/08	SW846 8082
I8J290162	012	K1T041AJ	8305031	8305022		10/31/08	SW846 8082
A8J290319	004	K1WC61AA	8305032	8305022		10/31/08	SW846 8082
A8J290319	005	K1WDD1AA	8305032	8305022		10/31/08	SW846 8082

REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Test America - North Canton ***Client:*** Tighe & Bond

Project Location: E. Hampton, CT ***Project Number:*** 12-613622

Laboratory Sample ID(s): A8J290319-001 → 006 ***Sampling Date(s):*** 10/27/08

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8082

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 CTDEP 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 or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	□Yes □ No ☒N/A
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 □ No □N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☒Yes □ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	☒Yes □ No ☒Yes □ No
6	For each analytical method referenced 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 an 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: [signature] **Position:** Project Manager

Printed Name: Frank J. Calovini **Date:** 11/13/08

Name of Laboratory Test America

This certification form is to be used for RCP methods only.

EXECUTIVE SUMMARY - Detection Highlights

A8J290319

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
PCB-20-0-3" 10/27/08 14:45 001				
Aroclor 1254	370	85	ug/kg	SW846 8082
Aroclors (Total)	370	85	ug/kg	SW846 8082
Percent Solids	77.6	10.0	%	MCAWW 160.3 MOD
PCB-20-1-2" 10/27/08 14:40 002				
Percent Solids	83.4	10.0	%	MCAWW 160.3 MOD
PCB-20-2-4" 10/27/08 14:50 003				
Percent Solids	88.5	10.0	%	MCAWW 160.3 MOD
DUP-3 10/27/08 13:29 006				
Aroclor 1254	250	78	ug/kg	SW846 8082
Aroclors (Total)	250	78	ug/kg	SW846 8082
Percent Solids	84.3	10.0	%	MCAWW 160.3 MOD

ANALYTICAL METHODS SUMMARY

A8J290319

PARAMETER	ANALYTICAL METHOD
PCBs by SW-846 8082	SW846 8082
Total Residue as Percent Solids	MCAWW 160.3 MOD

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A8J290319

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K1WCW	001	PCB-20-0-3"	10/27/08	14:45
K1WC2	002	PCB-20-1-2"	10/27/08	14:40
K1WC4	003	PCB-20-2-4"	10/27/08	14:50
K1WC6	004	EB-1	10/27/08	15:00
K1WDD	005	TB-1	10/27/08	15:05
K1WDE	006	DUP-3	10/27/08	13:29

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Tighe & Bond

Client Sample ID: PCB-20-0-3"

GC Semivolatiles

Lot-Sample #...: A8J290319-001 **Work Order #...:** K1WCW1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 14:45 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304044
Dilution Factor: 2
% Moisture.....: 22 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	85	ug/kg
Aroclor 1221	ND	85	ug/kg
Aroclor 1232	ND	85	ug/kg
Aroclor 1242	ND	85	ug/kg
Aroclor 1248	ND	85	ug/kg
Aroclor 1254	**370**	**85**	**ug/kg**
Aroclor 1260	ND	85	ug/kg
Aroclor 1262	ND	85	ug/kg
Aroclor 1268	ND	85	ug/kg
Aroclors (Total)	**370**	**85**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(30 - 150)
Decachlorobiphenyl	119	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-20-0-3"

General Chemistry

Lot-Sample #...: A8J290319-001 **Work Order #...:** K1WCW **Matrix.....:** SO
Date Sampled...: 10/27/08 14:45 **Date Received..:** 10/29/08
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**77.6**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305438**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-20-1-2"

GC Semivolatiles

Lot-Sample #...: A8J290319-002 **Work Order #...:** K1WC21AC **Matrix.....:** SO
Date Sampled...: 10/27/08 14:40 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304044
Dilution Factor: 1
% Moisture.....: 17 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	40	ug/kg
Aroclor 1221	ND	40	ug/kg
Aroclor 1232	ND	40	ug/kg
Aroclor 1242	ND	40	ug/kg
Aroclor 1248	ND	40	ug/kg
Aroclor 1254	ND	40	ug/kg
Aroclor 1260	ND	40	ug/kg
Aroclor 1262	ND	40	ug/kg
Aroclor 1268	ND	40	ug/kg
Aroclors (Total)	ND	40	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	68	(30 - 150)
Decachlorobiphenyl	70	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-20-1-2"

General Chemistry

Lot-Sample #...: A8J290319-002 **Work Order #...:** K1WC2 **Matrix.....:** SO
Date Sampled...: 10/27/08 14:40 **Date Received..:** 10/29/08
% Moisture.....: 17

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**83.4**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305438**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: PCB-20-2-4"

GC Semivolatiles

Lot-Sample #...: A8J290319-003 **Work Order #...:** K1WC41AC **Matrix.....:** SO
Date Sampled...: 10/27/08 14:50 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304044
Dilution Factor: 1
% Moisture.....: 12 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	37	ug/kg
Aroclor 1221	ND	37	ug/kg
Aroclor 1232	ND	37	ug/kg
Aroclor 1242	ND	37	ug/kg
Aroclor 1248	ND	37	ug/kg
Aroclor 1254	ND	37	ug/kg
Aroclor 1260	ND	37	ug/kg
Aroclor 1262	ND	37	ug/kg
Aroclor 1268	ND	37	ug/kg
Aroclors (Total)	ND	37	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	106	(30 - 150)
Decachlorobiphenyl	90	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: PCB-20-2-4"

General Chemistry

Lot-Sample #...: A8J290319-003 **Work Order #...:** K1WC4 **Matrix.....:** SO
Date Sampled...: 10/27/08 14:50 **Date Received..:** 10/29/08
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**88.5**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305438**

Dilution Factor: 1

Tighe & Bond

Client Sample ID: EB-1

GC Semivolatiles

Lot-Sample #...: A8J290319-004 **Work Order #...:** K1WC61AA **Matrix.....:** WQ
Date Sampled...: 10/27/08 15:00 **Date Received..:** 10/29/08
Prep Date.....: 10/31/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8305032
Dilution Factor: 1 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.20	ug/L
Aroclor 1221	ND	0.20	ug/L
Aroclor 1232	ND	0.20	ug/L
Aroclor 1242	ND	0.20	ug/L
Aroclor 1248	ND	0.20	ug/L
Aroclor 1254	ND	0.20	ug/L
Aroclor 1260	ND	0.20	ug/L
Aroclor 1262	ND	0.20	ug/L
Aroclor 1268	ND	0.20	ug/L
Aroclors (Total)	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	67	(30 - 150)
Decachlorobiphenyl	46	(30 - 150)

Tighe & Bond

Client Sample ID: TB-1

GC Semivolatiles

Lot-Sample #...: A8J290319-005 **Work Order #...:** K1WDD1AA **Matrix.....:** WQ
Date Sampled...: 10/27/08 15:05 **Date Received..:** 10/29/08
Prep Date.....: 10/31/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8305032
Dilution Factor: 1 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.20	ug/L
Aroclor 1221	ND	0.20	ug/L
Aroclor 1232	ND	0.20	ug/L
Aroclor 1242	ND	0.20	ug/L
Aroclor 1248	ND	0.20	ug/L
Aroclor 1254	ND	0.20	ug/L
Aroclor 1260	ND	0.20	ug/L
Aroclor 1262	ND	0.20	ug/L
Aroclor 1268	ND	0.20	ug/L
Aroclors (Total)	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	71	(30 - 150)
Decachlorobiphenyl	44	(30 - 150)

Tighe & Bond

Client Sample ID: DUP-3

GC Semivolatiles

Lot-Sample #...: A8J290319-006 **Work Order #...:** K1WDE1AC **Matrix.....:** SO
Date Sampled...: 10/27/08 13:29 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304044
Dilution Factor: 2
% Moisture.....: 16 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	78	ug/kg
Aroclor 1221	ND	78	ug/kg
Aroclor 1232	ND	78	ug/kg
Aroclor 1242	ND	78	ug/kg
Aroclor 1248	ND	78	ug/kg
Aroclor 1254	**250**	**78**	**ug/kg**
Aroclor 1260	ND	78	ug/kg
Aroclor 1262	ND	78	ug/kg
Aroclor 1268	ND	78	ug/kg
Aroclors (Total)	**250**	**78**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	76	(30 - 150)
Decachlorobiphenyl	76	(30 - 150)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Tighe & Bond

Client Sample ID: DUP-3

General Chemistry

Lot-Sample #...: A8J290319-006 **Work Order #...:** K1WDE **Matrix.....:** SO
Date Sampled...: 10/27/08 13:29 **Date Received..:** 10/29/08
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**84.3**	**10.0**	**%**	**MCAWW 160.3 MOD**	**10/31-11/03/08**	**8305438**

Dilution Factor: 1

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A8J290319 **Work Order #...:** K1WRN1AA **Matrix.....:** SOLID
MB Lot-Sample #: A8J300000-044
Prep Date.....: 10/30/08
Analysis Date..: 11/03/08 **Prep Batch #...:** 8304044
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082
Aroclor 1262	ND	33	ug/kg	SW846 8082
Aroclor 1268	ND	33	ug/kg	SW846 8082
Aroclors (Total)	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	89	(30 - 150)
Decachlorobiphenyl	75	(30 - 150)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A8J290319 **Work Order #...:** K107M1AA **Matrix.....:** WATER
MB Lot-Sample #: A8J310000-032
Prep Date.....: 10/31/08
Analysis Date..: 11/03/08 **Prep Batch #...:** 8305032
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	0.20	ug/L	SW846 8082
Aroclor 1221	ND	0.20	ug/L	SW846 8082
Aroclor 1232	ND	0.20	ug/L	SW846 8082
Aroclor 1242	ND	0.20	ug/L	SW846 8082
Aroclor 1248	ND	0.20	ug/L	SW846 8082
Aroclor 1254	ND	0.20	ug/L	SW846 8082
Aroclor 1260	ND	0.20	ug/L	SW846 8082
Aroclor 1262	ND	0.20	ug/L	SW846 8082
Aroclor 1268	ND	0.20	ug/L	SW846 8082
Aroclors (Total)	ND	0.20	ug/L	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	75	(30 - 150)
Decachlorobiphenyl	51	(30 - 150)

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A8J290319 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids		Work Order #: K12M21AA		MB Lot-Sample #:	A8J310000-438	
	ND	10.0	%	MCAWW 160.3 MOD	10/31-11/03/08	8305438
		Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A8J290319 **Work Order #...:** K1WRN1AC **Matrix.....:** SOLID
LCS Lot-Sample#: A8J300000-044
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304044
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**73**	**(40 - 140)**	**SW846 8082**
Aroclor 1260	**76**	**(40 - 140)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	67	(30 - 150)
Decachlorobiphenyl	77	(30 - 150)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A8J290319 **Work Order #...:** K107M1AC **Matrix.....:** WATER
LCS Lot-Sample#: A8J310000-032
Prep Date.....: 10/31/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8305032
Dilution Factor: 2

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**75**	**(40 - 140)**	**SW846 8082**
Aroclor 1260	**75**	**(40 - 140)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	60	(30 - 150)
Decachlorobiphenyl	33	(30 - 150)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A8J290319 **Work Order #...:** K1VXJ1DE-MS **Matrix.....:** SOLID
MS Lot-Sample #: A8J290284-001 K1VXJ1DF-MSD
Date Sampled...: 10/23/08 11:30 **Date Received..:** 10/29/08
Prep Date.....: 10/30/08 **Analysis Date..:** 11/03/08
Prep Batch #...: 8304044
Dilution Factor: 1 **% Moisture.....:** 100

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**74**	**(40 - 140)**			**SW846 8082**
	77	**(40 - 140)**	**4.2**	**(0-50)**	**SW846 8082**
Aroclor 1260	**72**	**(40 - 140)**			**SW846 8082**
	74	**(40 - 140)**	**2.5**	**(0-50)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	75	(30 - 150)
	76	(30 - 150)
Decachlorobiphenyl	100	(30 - 150)
	86	(30 - 150)

NOTE(S):

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

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A8J290319 **Work Order #...:** K1T0E-SMP **Matrix.....:** SOLID
K1T0E-DUP
Date Sampled...: 10/27/08 12:10 **Date Received..:** 10/29/08
% Moisture.....: 34

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: C8J290157-008		
	65.5	73.3	%	11	(0-20)	MCAWW 160.3 MOD	10/31-11/03/08	8305438

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A8J290319 **Work Order #...:** K1V62-SMP **Matrix.....:** SOLID
K1V62-DUP
Date Sampled...: 10/27/08 11:17 **Date Received..:** 10/29/08
% Moisture.....: 16

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #:	A8J290302-013	
	84.1	83.2	%	1.0	(0-20)	MCAWW 160.3 MOD	10/31-11/03/08	8305438

Dilution Factor: 1

TestAmerica
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Chain of Custody Form

005652

•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

Job# | Quote# | PO#

Client: TIGHE + BOND
Address:
Phone: Fax:

Client Project #: 12-613622
Site ID & State: E. HAMPTON, CT
Reports Sent To:
Email: RRWikstrom@tighbond 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 _____ 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 ☐

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.

Sample Type Codes: WW-Wastewater, DW-Drinking Water, SW-Surface Water, GW-Groundwater, LW Lab Water, A-Air, S-Solids, "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 / 4º C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity
~~PCB~~ PCB-20-0-3"	S	RW	10/27/08 14:45	X		1	G							X			X							
PCB-20-1-2'	S	RW	10/27/08 14:40	X		1	G							X			X							
PCB-20-2-4'	S	RW	10/27/08 14:50	X		1	G							X			X							
EB-1	W	RW	10/27/08 15:00	X		3	G							X			X							
TB-1	W	RW	~~15~~ 10/27/08 15:05	X		3	G							X			X							
DUP-3	S	RW	10/27/08 13:29	X		1	G							X			X							

Comments:
* RCP - CT
All Analysis w/ soxhlet ext.

Sampled by (print): KARL R. WIKSTROM
Signature: [signature]

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	10/28/08	FEDEX	[signature]	10-29-08	10:10

Cooler ? Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: _____ ºC
Preservation / pH checked? Y / N
By: _____ Date: _____

WESTFIELD

Page 7 of 7

White = Lab file Yellow = Report copy Pink = Customer copy

TAL-8245-360 (0408)

WI-QA-010-REV 4A

TestAmerica Cooler Receipt Form/Narrative **Lot Number:** A85290 319

North Canton Facility

Client Tighe + Bond Project _____ By: [signature] (Signature)

Cooler Received on 10-29-08 Opened on 10-29-08

FedEx ☐ UPS ☒ DHL ☐ FAS ☐ Stetson ☐ Client Drop Off ☐ TestAmerica Courier ☐ Other _____

TestAmerica Cooler # 680 Multiple Coolers ☐ Foam Box ☐ Client Cooler ☐ Other _____

1. Were custody seals on the outside of the cooler(s)? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒
   If YES, Quantity _____ Quantity Unsalvageable _____
   Were custody seals on the outside of cooler(s) signed and dated? Yes ☐ No ☐ NA ☒
   Were custody seals on the bottle(s)? Yes ☐ No ☒
   If YES, are there any exceptions? _____
2. Shippers' packing slip attached to the cooler(s)? Yes ☒ No ☐
3. Did custody papers accompany the sample(s)? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Were the custody papers signed in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☐ Foam ☐ None ☒ Other _____
6. Cooler temperature upon receipt 0.8 °C See back of form for multiple coolers/temps ☐
   METHOD: IR ☒ Other ☐ _____
   COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels be reconciled with the COC? Yes ☒ No ☐
9. Were sample(s) at the correct pH upon receipt? Yes ☐ No ☐ NA ☒
10. Were correct bottle(s) used for the test(s) indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a trip blank present in the cooler(s)? Yes ☒ No ☐ Were VOAs on the COC? Yes ☐ No ☒

Contacted PM _____ Date _____ by _____ via Verbal ☐ Voice Mail ☐ Other ☐

Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

_____

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). *Nitric Acid Lot# 031808-HNO_3; Sulfuric Acid Lot# 031808-H_2SO_4; Sodium Hydroxide Lot# 073007 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 050205-$(CH_3COO)_2ZN/NaOH$.* What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler #	Temp. °C	Method	Coolant

Discrepancies Cont'd:

END OF REPORT

ANALYTICAL REPORT

Job Number: 360-18464-1

Job Description: 12-613620

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

Attention: Mr. Karl Wikstrom

Approved for release.
Chris F Reynolds
QA Manager
1/20/2009 1:43 PM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
01/20/2009
Revision: 2

The test results in this report meet all NELAP requirements for accredited parameters. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, 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 DOH 10843.

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

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond, Inc**
Project Location:	**East Hampton, CT**	***Project Number:***	**360-18464-1**
Laboratory Sample ID (s):	**360-18464-1 (7-11,13-14,16-17,23-24,26-27)**	***Sampling Date (s):***	**8/28/08**
Method:			

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: 1/20/09 12:17

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, Inc**
Project Location:	**East Hampton, CT**	***Project Number:***	**360-18464-1**
Laboratory Sample ID (s):	**360-18464-1 (20-21,27)**	***Sampling Date (s):***	**8/28/08**
Method:	**SW846 8082**		

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.

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Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 1/20/09 12:17

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, Inc**
Project Location:	**East Hampton, CT**	***Project Number:***	**360-18464-1**
Laboratory Sample ID (s):	**360-18464-1 (20,21)**	***Sampling Date (s):***	**8/28/08**
Method:	**CTETPH**		

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: 1/20/09 12:17

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
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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, Inc**
Project Location:	**East Hampton, CT**	***Project Number:***	**360-18464-1**
Laboratory Sample ID (s):	**360-18464-1 (1-6)**	***Sampling Date (s):***	**8/28/08**
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: 1/20/09 12:17

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: CT ***Project Number:*** 36000166

Laboratory Sample ID(s): 360-18464-10,11,13,14,16,23,26,27 ***Sampling Date(s):*** 08/28/08

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8260B-1312ZHE

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 CTDEP 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 or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	□Yes □ No ☒N/A
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 □ No □N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	□Yes ☑No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met? Please see laboratory case narrative for laboratory VOA GW exceedances	□Yes ☒ No □Yes ☒ No
6	For each analytical method referenced 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 an 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: JWidomski **Position:** Data Management

Printed Name: Joan Widomski **Date:** 9-17-08

Name of Laboratory TestAmerica Connecticut

This certification form is to be used for RCP methods only.

CASE NARRATIVE

Client: Tighe & Bond, Inc.

Project: 12-613620

Report Number: 360-18464-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues as stipulated in the RCP reporting requirements.

In order to facilitate report review, a separate RCP Analytical Method Report Certification Form is included for each method requested.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy “RCP program” reporting limits in some cases if the “adjusted” RL is greater than the applicable RCP standards or criterion to which the concentration is being compared. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes which exceed the calibration range.

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.

The samples were received on 08/29/2008; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.2, 2.4ºC.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C 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.

VOLATILE ORGANICS

Samples 360-18464-7 through 360-18464-11, 360-18464-13, 360-18464-14, 360-18464-16, 360-18464-17, 360-18464-23, 360-18464-24, 360-18464-26 and 360-18464-27 were analyzed for volatile organics in accordance with EPA SW846 Method 8260B. The samples were prepared on 08/29/2008 and 09/04/2008 and analyzed on 09/04/2008 and 09/05/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved with the exception of:

2-Hexanone and 4-Methyl-2-pentanone (MIBK) were detected in the method blanks for batches

35872 and 35932 at levels exceeding the reporting limit. If the associated sample reported a result above the RL, the result has been “B” flagged. Refer to the QC report for details.

2-Butanone (MEK), 2-Hexanone and Acetone failed the LCS recovery criteria high batch 35932. Refer to the QC report for details.

For batch B35923 the CCV recovered high for the following compounds; Acetone, 2-Butanone and 2-Hexanone recovered high.

For batch 35924 the CCV recovered high for the following compounds; Acetone and 2-Butanone.

General comments:
Sample 360-18464-10(5X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

For sample 360-18464-10 a Low Level analysis could not be run because of insufficient sample provided. Two EnCore samplers returned to lab labeled #8, but only one contained a soil sample. The other one was completely unopened.

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.

POLYCHLORINATED BIPHENYLS

Samples 360-18464-20, 360-18464-21 and 360-18464-27 were analyzed for polychlorinated biphenyls in accordance with EPA SW846 Method 8082. The samples were prepared on 09/05/2008 and analyzed on 09/08/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

General comments:
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.

EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS

Samples 360-18464-20 and 360-18464-21 were analyzed for extractable total petroleum hydrocarbons in accordance with CT ETPH. The samples were prepared and analyzed on 09/03/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved with the exception of:

o-Terphenyl failed the surrogate recovery criteria low for 360-18464-21. the sample ws re-extracted with similar results. Refer to the QC report for details.

General comments:
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.

TOTAL METALS

Samples 360-18464-1 through 360-18464-6 were analyzed for total metals in accordance with EPA SW846 Method 6010B. The samples were prepared on 09/02/2008 and analyzed on 09/02/2008 and 09/04/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

General comments:
At the request of the client an abbreviated RCP analyt list was reported for this job.

Samples 360-18464-1(2X), 360-18464-2(2X), 360-18464-2(5X), 360-18464-3(2X), 360-18464-3(5X) and 360-18464-4 through 360-18464-6(2X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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.

SPLP VOLATILE ORGANICS

Samples 360-18464-10, 360-18464-11, 360-18464-13, 360-18464-14, 360-18464-16, 360-18464-23, 360-18464-26 and 360-18464-27 were analyzed for SPLP Volatile Organics in accordance with EPA SW846 Method 1312/8260B. The samples were leached on 09/05/2008 and analyzed on 09/07/2008 and 09/08/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved with the following exceptions:

The laboratory control standard (LCS) for the following batches was outside CTRCP control limits for the following analytes; batch 19746, acetone, batch 19766, vinyl chloride, Bromomethane, tetrachloroethene, styrene, dichlorodifluoromethane.

Dichlorodifluoromethane, Styrene and Tetrachloroethene failed the LCS recovery criteria low for LCS 220-19766/2. 1,2-Dichloroethane failed the LCS recovery criteria high. Refer to the QC report for details.

The initial calibration curve analyzed on instrument MSW on 8/25/08 was outside CTRCP acceptance criteria for the following compounds at the associated %RPD: bromomethane-21.2%, chloroethane-19.4%, trans-1,3-dichloropropene-16.3%, naphthalene-22.2%.

Method(s) 8260B: The continuing calibration verification (CCV) analyzed on instrument MSW on 9/8/08 recovered above the CTRCP upper control limit for trichlorofluoromethane at 45.0%D.

2-Hexanone and 4-Methyl-2-pentanone (MIBK) were detected in method blank MB 360-35923/3 at levels exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

The following reported method is not listed by Connecticut Department of Environmental Protection (DEP) as a published method which has Reasonable Confidence Protocols (RCPs) QA/QC guidance. Instead, laboratory derived or non-RCP QA/QC guidelines were applied.

PERCENT SOLIDS

Samples 360-18464-1 through 360-18464-11, 360-18464-13, 360-18464-14, 360-18464-16, 360-18464-17, 360-18464-20, 360-18464-21, 360-18464-23, 360-18464-24, 360-18464-26 and 360-18464-27 were analyzed for percent solids in accordance with EPA Method 160.3 Modified. The samples were analyzed on 09/03/2008.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

Due to limited sample volume the following percent solids were substituted for dry weight correction:

360-18464-8 - % solids derived from sample #7
360-18464-11 - % solids derived from sample #10
360-18464-14 - % solids derived from sample #13
360-18464-17 - % solids derived from sample #16
360-18464-24 - % solids derived from sample #23
360-18464-26 - % solids derived from sample #23

This case narrative is available in Word format upon request.

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 360-18464-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
SPLP Extraction	TAL CT		SW846 1312
Purge and Trap	TAL CT		SW846 5030B
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Closed System Purge and Trap	TAL WFD		SW846 5035
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL WFD	SW846 8082	
Microwave Extraction	TAL WFD		SW846 3546
Connecticut - Extractable Total petroleum Hydrocarbons (GC)	TAL WFD	STATE CT ETPH	
Microwave Extraction	TAL WFD		SW846 3546
Metals (ICP)	TAL WFD	SW846 6010B	
Preparation, Metals	TAL WFD		SW846 3050B

Lab References:

TAL CT = TestAmerica Connecticut

TAL WFD = TestAmerica Westfield

Method References:

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: 360-18464-1

Method	Analyst	Analyst ID
SW846 8260B	Kemp, Rowena	RK
SW846 8260B	Kostrzewska, Barbara	BK
SW846 8260B	Tester, Carla	CT
SW846 8082	Zuccala, Marissa	MZ
STATE CT ETPH	Rachtan, Karolina	KR
SW846 6010B	Nasiatka, Ellen M	EMN
SW846 6010B	Smith, Tim J	TJS
EPA PercentMoisture	Burton, Teresa F	TFB

SAMPLE SUMMARY

Client: Tighe & Bond

Job Number: 360-18464-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-18464-1	R1-1 0-2'	Solid	08/28/2008 0945	08/29/2008 1130
360-18464-2	R1-1 2-4'	Solid	08/28/2008 0953	08/29/2008 1130
360-18464-3	R1-2- 0-2'	Solid	08/28/2008 0951	08/29/2008 1130
360-18464-4	R1-2- 2-4'	Solid	08/28/2008 0955	08/29/2008 1130
360-18464-5	R1-3 0-2'	Solid	08/28/2008 1000	08/29/2008 1130
360-18464-6	R1-4 0-2'	Solid	08/28/2008 1015	08/29/2008 1130
360-18464-7	R1-11 0-2'	Solid	08/28/2008 1040	08/29/2008 1130
360-18464-8	R1-11 2-4'	Solid	08/28/2008 1045	08/29/2008 1130
360-18464-9	DUP-1	Solid	08/28/2008 1045	08/29/2008 1130
360-18464-10	R1-12 0-2'	Solid	08/28/2008 1053	08/29/2008 1130
360-18464-11	R1-12 2-4'	Solid	08/28/2008 1105	08/29/2008 1130
360-18464-13	R1-13 0-2'	Solid	08/28/2008 1110	08/29/2008 1130
360-18464-14	R1-13 2-4'	Solid	08/28/2008 1115	08/29/2008 1130
360-18464-16	R1-14 0-2'	Solid	08/28/2008 1122	08/29/2008 1130
360-18464-17	R1-14 2-4'	Solid	08/28/2008 1126	08/29/2008 1130
360-18464-20	R1-15 0-2'	Solid	08/28/2008 1146	08/29/2008 1130
360-18464-21	R1-15 2-4'	Solid	08/28/2008 1148	08/29/2008 1130
360-18464-23	R1-16 0-2'	Solid	08/28/2008 1242	08/29/2008 1130
360-18464-24	R1-16 2-4'	Solid	08/28/2008 1245	08/29/2008 1130
360-18464-26	DUP 2	Solid	08/28/2008 1242	08/29/2008 1130
360-18464-27	R1-17 0-2'	Solid	08/28/2008 1254	08/29/2008 1130

SAMPLE RESULTS

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-11 0-2'

Lab Sample ID: 360-18464-7
Client Matrix: Solid
% Moisture: 8.4
Date Sampled: 08/28/2008 1040
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/05/2008 1524
Date Prepared: 09/04/2008 1131

Analysis Batch: 360-35923
Prep Batch: 360-35929

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40007.D
Initial Weight/Volume: 4.68 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		290
Acrylonitrile		ND		2.9
Benzene		ND		2.9
Bromobenzene		ND		2.9
n-Butylbenzene		ND		2.9
sec-Butylbenzene		ND		2.9
tert-Butylbenzene		ND		2.9
Dichlorobromomethane		ND		2.9
Bromoform		ND		2.9
Bromomethane		ND		5.8
2-Butanone (MEK)		ND		29
Carbon disulfide		ND		2.9
Carbon tetrachloride		ND		2.9
Chlorobenzene		ND		2.9
Chloroethane		ND		5.8
Chloroform		ND		2.9
Chloromethane		ND		5.8
2-Chlorotoluene		ND		2.9
4-Chlorotoluene		ND		2.9
Chlorodibromomethane		ND		2.9
1,2-Dibromo-3-Chloropropane		ND		5.8
Dibromomethane		ND		2.9
1,2-Dichlorobenzene		ND		2.9
1,3-Dichlorobenzene		ND		2.9
1,4-Dichlorobenzene		ND		2.9
Dichlorodifluoromethane		ND		5.8
1,1-Dichloroethene		ND		2.9
1,1-Dichloroethane		ND		2.9
1,2-Dichloroethane		ND		2.9
cis-1,2-Dichloroethene		ND		2.9
1,2-Dichloropropane		ND		2.9
1,3-Dichloropropane		ND		2.9
2,2-Dichloropropane		ND		2.9
1,1-Dichloropropene		ND		2.9
cis-1,3-Dichloropropene		ND		2.9
trans-1,3-Dichloropropene		ND		2.9
Ethylbenzene		ND		2.9
Hexachlorobutadiene		ND		2.9
2-Hexanone		ND		29
Isopropylbenzene		ND		2.9
4-Isopropyltoluene		ND		2.9
Methylene Chloride		ND		12
4-Methyl-2-pentanone (MIBK)		ND		29
Methyl tert-butyl ether		ND		2.9

Analytical Data

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-11 0-2'

Lab Sample ID:	360-18464-7			Date Sampled:	08/28/2008 1040
Client Matrix:	Solid	% Moisture:	8.4	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40007.D
Dilution:	1.0			Initial Weight/Volume:	4.68 g
Date Analyzed:	09/05/2008 1524			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		29
N-Propylbenzene		ND		2.9
Styrene		ND		2.9
1,1,1,2-Tetrachloroethane		ND		2.9
1,1,2,2-Tetrachloroethane		ND		2.9
Tetrachloroethene		ND		2.9
Tetrahydrofuran		ND		29
Toluene		ND		2.9
1,2,3-Trichlorobenzene		ND		2.9
1,2,4-Trichlorobenzene		ND		2.9
1,1,1-Trichloroethane		ND		2.9
1,1,2-Trichloroethane		ND		2.9
Trichloroethene		4.4		2.9
Trichlorofluoromethane		ND		5.8
1,2,3-Trichloropropane		ND		2.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		15
1,2,4-Trimethylbenzene		ND		2.9
1,3,5-Trimethylbenzene		ND		2.9
Vinyl chloride		ND		2.9
Ethylene Dibromide		ND		2.9
trans-1,4-Dichloro-2-butene		ND		5.8
trans-1,2-Dichloroethene		ND		2.9
m-Xylene & p-Xylene		ND		5.8
o-Xylene		ND		2.9

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	110	70 - 130
Dibromofluoromethane	92	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-11 2-4'

Lab Sample ID:	360-18464-8			Date Sampled:	08/28/2008 1045
Client Matrix:	Solid	% Moisture:	8.3	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35869		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35872		Lab File ID:	V39975.D
Dilution:	1.0			Initial Weight/Volume:	3.82 g
Date Analyzed:	09/04/2008 1621			Final Weight/Volume:	5 g
Date Prepared:	08/29/2008 1152				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		18000
Acrylonitrile		ND		180
Benzene		ND		180
Bromobenzene		ND		180
n-Butylbenzene		ND		180
sec-Butylbenzene		ND		180
tert-Butylbenzene		ND		180
Dichlorobromomethane		ND		180
Bromoform		ND		180
Bromomethane		ND		360
2-Butanone (MEK)		ND		1800
Carbon disulfide		ND		180
Carbon tetrachloride		ND		180
Chlorobenzene		ND		180
Chloroethane		ND		360
Chloroform		ND		180
Chloromethane		ND		360
2-Chlorotoluene		ND		180
4-Chlorotoluene		ND		180
Chlorodibromomethane		ND		180
1,2-Dibromo-3-Chloropropane		ND		360
Dibromomethane		ND		180
1,2-Dichlorobenzene		ND		180
1,3-Dichlorobenzene		ND		180
1,4-Dichlorobenzene		ND		180
Dichlorodifluoromethane		ND		360
1,1-Dichloroethene		ND		180
1,1-Dichloroethane		ND		180
1,2-Dichloroethane		ND		180
cis-1,2-Dichloroethene		ND		180
1,2-Dichloropropane		ND		180
1,3-Dichloropropane		ND		180
2,2-Dichloropropane		ND		180
1,1-Dichloropropene		ND		180
cis-1,3-Dichloropropene		ND		180
trans-1,3-Dichloropropene		ND		180
Ethylbenzene		ND		180
Hexachlorobutadiene		ND		180
2-Hexanone		ND		1800
Isopropylbenzene		ND		180
4-Isopropyltoluene		ND		180
Methylene Chloride		ND		710
4-Methyl-2-pentanone (MIBK)		ND		1800
Methyl tert-butyl ether		ND		180

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-11 2-4'

Lab Sample ID:	360-18464-8			Date Sampled:	08/28/2008 1045
Client Matrix:	Solid	% Moisture:	8.3	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35869		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35872		Lab File ID:	V39975.D
Dilution:	1.0			Initial Weight/Volume:	3.82 g
Date Analyzed:	09/04/2008 1621			Final Weight/Volume:	5 g
Date Prepared:	08/29/2008 1152				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		1800
N-Propylbenzene		ND		180
Styrene		ND		180
1,1,1,2-Tetrachloroethane		ND		180
1,1,2,2-Tetrachloroethane		ND		180
Tetrachloroethene		ND		180
Tetrahydrofuran		ND		1800
Toluene		ND		180
1,2,3-Trichlorobenzene		ND		180
1,2,4-Trichlorobenzene		ND		180
1,1,1-Trichloroethane		ND		180
1,1,2-Trichloroethane		ND		180
Trichloroethene		220		180
Trichlorofluoromethane		ND		360
1,2,3-Trichloropropane		ND		180
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		890
1,2,4-Trimethylbenzene		ND		180
1,3,5-Trimethylbenzene		ND		180
Vinyl chloride		ND		180
Ethylene Dibromide		ND		180
trans-1,4-Dichloro-2-butene		ND		360
trans-1,2-Dichloroethene		ND		180
m-Xylene & p-Xylene		ND		360
o-Xylene		ND		180

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	107	70 - 130
Dibromofluoromethane	94	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **DUP-1**

Lab Sample ID: 360-18464-9
Client Matrix: Solid
% Moisture: 13.4
Date Sampled: 08/28/2008 1045
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/04/2008 1646
Date Prepared: 09/04/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39976.D
Initial Weight/Volume: 2.70 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		27000
Acrylonitrile		ND		270
Benzene		ND		270
Bromobenzene		ND		270
n-Butylbenzene		ND		270
sec-Butylbenzene		ND		270
tert-Butylbenzene		ND		270
Dichlorobromomethane		ND		270
Bromoform		ND		270
Bromomethane		ND		530
2-Butanone (MEK)		ND		2700
Carbon disulfide		ND		270
Carbon tetrachloride		ND		270
Chlorobenzene		ND		270
Chloroethane		ND		530
Chloroform		ND		270
Chloromethane		ND		530
2-Chlorotoluene		ND		270
4-Chlorotoluene		ND		270
Chlorodibromomethane		ND		270
1,2-Dibromo-3-Chloropropane		ND		530
Dibromomethane		ND		270
1,2-Dichlorobenzene		ND		270
1,3-Dichlorobenzene		ND		270
1,4-Dichlorobenzene		ND		270
Dichlorodifluoromethane		ND		530
1,1-Dichloroethene		ND		270
1,1-Dichloroethane		ND		270
1,2-Dichloroethane		ND		270
cis-1,2-Dichloroethene		ND		270
1,2-Dichloropropane		ND		270
1,3-Dichloropropane		ND		270
2,2-Dichloropropane		ND		270
1,1-Dichloropropene		ND		270
cis-1,3-Dichloropropene		ND		270
trans-1,3-Dichloropropene		ND		270
Ethylbenzene		ND		270
Hexachlorobutadiene		ND		270
2-Hexanone		ND		2700
Isopropylbenzene		ND		270
4-Isopropyltoluene		ND		270
Methylene Chloride		ND		1100
4-Methyl-2-pentanone (MIBK)		ND		2700
Methyl tert-butyl ether		ND		270

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **DUP-1**

Lab Sample ID:	360-18464-9			Date Sampled:	08/28/2008 1045
Client Matrix:	Solid	% Moisture:	13.4	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35869		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35872		Lab File ID:	V39976.D
Dilution:	1.0			Initial Weight/Volume:	2.70 g
Date Analyzed:	09/04/2008 1646			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1152				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		2700
N-Propylbenzene		ND		270
Styrene		ND		270
1,1,1,2-Tetrachloroethane		ND		270
1,1,2,2-Tetrachloroethane		ND		270
Tetrachloroethene		ND		270
Tetrahydrofuran		ND		2700
Toluene		ND		270
1,2,3-Trichlorobenzene		ND		270
1,2,4-Trichlorobenzene		ND		270
1,1,1-Trichloroethane		ND		270
1,1,2-Trichloroethane		ND		270
Trichloroethene		2800		270
Trichlorofluoromethane		ND		530
1,2,3-Trichloropropane		ND		270
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1300
1,2,4-Trimethylbenzene		ND		270
1,3,5-Trimethylbenzene		ND		270
Vinyl chloride		ND		270
Ethylene Dibromide		ND		270
trans-1,4-Dichloro-2-butene		ND		530
trans-1,2-Dichloroethene		ND		270
m-Xylene & p-Xylene		ND		530
o-Xylene		ND		270

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	105	70 - 130
Dibromofluoromethane	91	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **R1-12 0-2'**

Lab Sample ID:	360-18464-10			Date Sampled:	08/28/2008 1053
Client Matrix:	Solid	% Moisture:	10.0	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35869		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35872		Lab File ID:	V39977.D
Dilution:	1.0			Initial Weight/Volume:	3.79 g
Date Analyzed:	09/04/2008 1710			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1152				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		18000
Acrylonitrile		ND		180
Benzene		ND		180
Bromobenzene		ND		180
n-Butylbenzene		ND		180
sec-Butylbenzene		ND		180
tert-Butylbenzene		ND		180
Dichlorobromomethane		ND		180
Bromoform		ND		180
Bromomethane		ND		370
2-Butanone (MEK)		ND		1800
Carbon disulfide		ND		180
Carbon tetrachloride		ND		180
Chlorobenzene		ND		180
Chloroethane		ND		370
Chloroform		ND		180
Chloromethane		ND		370
2-Chlorotoluene		ND		180
4-Chlorotoluene		ND		180
Chlorodibromomethane		ND		180
1,2-Dibromo-3-Chloropropane		ND		370
Dibromomethane		ND		180
1,2-Dichlorobenzene		ND		180
1,3-Dichlorobenzene		ND		180
1,4-Dichlorobenzene		ND		180
Dichlorodifluoromethane		ND		370
1,1-Dichloroethene		ND		180
1,1-Dichloroethane		ND		180
1,2-Dichloroethane		ND		180
cis-1,2-Dichloroethene		ND		180
1,2-Dichloropropane		ND		180
1,3-Dichloropropane		ND		180
2,2-Dichloropropane		ND		180
1,1-Dichloropropene		ND		180
cis-1,3-Dichloropropene		ND		180
trans-1,3-Dichloropropene		ND		180
Ethylbenzene		ND		180
Hexachlorobutadiene		ND		180
2-Hexanone		ND		1800
Isopropylbenzene		ND		180
4-Isopropyltoluene		ND		180
Methylene Chloride		ND		730
4-Methyl-2-pentanone (MIBK)		ND		1800
Methyl tert-butyl ether		ND		180

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-12 0-2'

Lab Sample ID:	360-18464-10			Date Sampled:	08/28/2008 1053
Client Matrix:	Solid	% Moisture:	10.0	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35869		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35872		Lab File ID:	V39977.D
Dilution:	1.0			Initial Weight/Volume:	3.79 g
Date Analyzed:	09/04/2008 1710			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1152				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		1800
N-Propylbenzene		ND		180
Styrene		ND		180
1,1,1,2-Tetrachloroethane		ND		180
1,1,2,2-Tetrachloroethane		ND		180
Tetrachloroethene		ND		180
Tetrahydrofuran		ND		1800
Toluene		ND		180
1,2,3-Trichlorobenzene		ND		180
1,2,4-Trichlorobenzene		ND		180
1,1,1-Trichloroethane		ND		180
1,1,2-Trichloroethane		ND		180
Trichlorofluoromethane		ND		370
1,2,3-Trichloropropane		ND		180
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		920
1,2,4-Trimethylbenzene		ND		180
1,3,5-Trimethylbenzene		ND		180
Vinyl chloride		ND		180
Ethylene Dibromide		ND		180
trans-1,4-Dichloro-2-butene		ND		370
trans-1,2-Dichloroethene		ND		180
m-Xylene & p-Xylene		ND		370
o-Xylene		ND		180

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	105	70 - 130
Dibromofluoromethane	92	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-12 0-2'

Lab Sample ID:	360-18464-10			Date Sampled:	08/28/2008 1053
Client Matrix:	Solid	% Moisture:	10.0	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35924		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35932		Lab File ID:	V40024.D
Dilution:	5.0			Initial Weight/Volume:	3.79 g
Date Analyzed:	09/05/2008 2215			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1155				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Trichloroethene		2400		18

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	113	70 - 130
Dibromofluoromethane	87	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **R1-12 0-2'**

Lab Sample ID: 360-18464-10
Client Matrix: Solid

Date Sampled: 08/28/2008 1053
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1943
Date Prepared: 09/07/2008 1943
Date Leached: 09/05/2008 2125

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8585.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		6.5		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		170	E	5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **R1-12 0-2'**

Lab Sample ID: 360-18464-10
Client Matrix: Solid

Date Sampled: 08/28/2008 1053
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1943
Date Prepared: 09/07/2008 1943
Date Leached: 09/05/2008 2125

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8585.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
Hexachlorobutadiene		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	53 - 125
4-Bromofluorobenzene	114	73 - 127
Dibromofluoromethane	96	54 - 137
Toluene-d8 (Surr)	93	63 - 121

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **R1-12 0-2'**

Lab Sample ID: 360-18464-10
Client Matrix: Solid

Date Sampled: 08/28/2008 1053
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 2.0
Date Analyzed: 09/08/2008 2215
Date Prepared: 09/08/2008 2215
Date Leached: 09/05/2008 2125

Analysis Batch: 220-19766
Leachate Batch: 220-19702
Run Type: DL

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8635.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		10
Vinyl chloride		ND		10
Bromomethane		ND		10
1,1-Dichloroethene		ND		10
Carbon disulfide		ND		10
Acetone		ND		20
Methylene Chloride		ND		10
1,1-Dichloroethane		ND		10
Methyl Ethyl Ketone		ND		20
Chloroform		ND		10
1,1,1-Trichloroethane		ND		10
Carbon tetrachloride		ND		10
Benzene		ND		10
1,2-Dichloroethane		ND	*	10
Trichloroethene		140		10
1,2-Dichloropropane		ND		10
Bromodichloromethane		ND		10
methyl isobutyl ketone		ND		20
Toluene		ND		10
1,1,2-Trichloroethane		ND		10
Tetrachloroethene		ND	*	10
Dibromochloromethane		ND		10
Chlorobenzene		ND		10
Ethylbenzene		ND		10
Styrene		ND	*	10
Bromoform		ND		10
1,1,2,2-Tetrachloroethane		ND		10
cis-1,2-Dichloroethene		ND		10
trans-1,2-Dichloroethene		ND		10
Acrylonitrile		ND		20
n-Butylbenzene		ND	*	10
sec-Butylbenzene		ND	*	10
tert-Butylbenzene		ND	*	10
1,2-Dibromo-3-Chloropropane		ND		10
1,2-Dibromoethane		ND		10
1,2-Dichlorobenzene		ND		10
1,3-Dichlorobenzene		ND		10
1,4-Dichlorobenzene		ND		10
4-Isopropyltoluene		ND	*	10
Methyl tert-butyl ether		ND		10
Isopropylbenzene		ND	*	10
N-Propylbenzene		ND		10
1,2,4-Trichlorobenzene		ND		10
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	*	10

Analytical Data

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-12 0-2'

Lab Sample ID: 360-18464-10
Client Matrix: Solid

Date Sampled: 08/28/2008 1053
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 2.0
Date Analyzed: 09/08/2008 2215
Date Prepared: 09/08/2008 2215
Date Leached: 09/05/2008 2125

Analysis Batch: 220-19766
Leachate Batch: 220-19702
Run Type: DL

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8635.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND	*	10
1,1,1,2-Tetrachloroethane		ND		10
1,2,4-Trimethylbenzene		ND		10
1,3,5-Trimethylbenzene		ND		10
trans-1,4-Dichloro-2-butene		ND		20
Acrolein		ND		50
Acetonitrile		ND		100
1,3-Dichloropropane		ND		10
Xylenes, Total		ND		10
2-Chlorotoluene		ND		10
4-Chlorotoluene		ND		10
1,2-Dichloroethene, Total		ND		10
m&p-Xylene		ND		10
o-Xylene		ND		10
cis-1,3-Dichloropropene		ND		10
trans-1,3-Dichloropropene		ND		10
Tetrahydrofuran		ND		20
Dichlorodifluoromethane		ND	*	10
Chloroethane		ND		10
Dibromomethane		ND		10
1,1-Dichloropropene		ND		10
Naphthalene		ND		10
Bromobenzene		ND		10
1,2,3-Trichlorobenzene		ND		10
2-Hexanone		ND		20
2,2-Dichloropropane		ND		10
1,2,3-Trichloropropane		ND		10
Hexachlorobutadiene		ND		10

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	122	53 - 125
4-Bromofluorobenzene	118	73 - 127
Dibromofluoromethane	100	54 - 137
Toluene-d8 (Surr)	92	63 - 121

Analytical Data

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-12 2-4'

Lab Sample ID:	360-18464-11			Date Sampled:	08/28/2008 1105
Client Matrix:	Solid	% Moisture:	10.6	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40008.D
Dilution:	1.0			Initial Weight/Volume:	5.69 g
Date Analyzed:	09/05/2008 1549			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		250
Acrylonitrile		ND		2.5
Benzene		ND		2.5
Bromobenzene		ND		2.5
n-Butylbenzene		ND		2.5
sec-Butylbenzene		ND		2.5
tert-Butylbenzene		ND		2.5
Dichlorobromomethane		ND		2.5
Bromoform		ND		2.5
Bromomethane		ND		4.9
2-Butanone (MEK)		ND		25
Carbon disulfide		ND		2.5
Carbon tetrachloride		ND		2.5
Chlorobenzene		ND		2.5
Chloroethane		ND		4.9
Chloroform		ND		2.5
Chloromethane		ND		4.9
2-Chlorotoluene		ND		2.5
4-Chlorotoluene		ND		2.5
Chlorodibromomethane		ND		2.5
1,2-Dibromo-3-Chloropropane		ND		4.9
Dibromomethane		ND		2.5
1,2-Dichlorobenzene		ND		2.5
1,3-Dichlorobenzene		ND		2.5
1,4-Dichlorobenzene		ND		2.5
Dichlorodifluoromethane		ND		4.9
1,1-Dichloroethene		ND		2.5
1,1-Dichloroethane		ND		2.5
1,2-Dichloroethane		ND		2.5
cis-1,2-Dichloroethene		ND		2.5
1,2-Dichloropropane		ND		2.5
1,3-Dichloropropane		ND		2.5
2,2-Dichloropropane		ND		2.5
1,1-Dichloropropene		ND		2.5
cis-1,3-Dichloropropene		ND		2.5
trans-1,3-Dichloropropene		ND		2.5
Ethylbenzene		ND		2.5
Hexachlorobutadiene		ND		2.5
2-Hexanone		ND		25
Isopropylbenzene		ND		2.5
4-Isopropyltoluene		ND		2.5
Methylene Chloride		ND		9.8
4-Methyl-2-pentanone (MIBK)		ND		25
Methyl tert-butyl ether		ND		2.5

Analytical Data

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-12 2-4'

Lab Sample ID:	360-18464-11			Date Sampled:	08/28/2008 1105
Client Matrix:	Solid	% Moisture:	10.6	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40008.D
Dilution:	1.0			Initial Weight/Volume:	5.69 g
Date Analyzed:	09/05/2008 1549			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		25
N-Propylbenzene		ND		2.5
Styrene		ND		2.5
1,1,1,2-Tetrachloroethane		ND		2.5
1,1,2,2-Tetrachloroethane		ND		2.5
Tetrachloroethene		ND		2.5
Tetrahydrofuran		ND		25
Toluene		ND		2.5
1,2,3-Trichlorobenzene		ND		2.5
1,2,4-Trichlorobenzene		ND		2.5
1,1,1-Trichloroethane		ND		2.5
1,1,2-Trichloroethane		ND		2.5
Trichloroethene		9.2		2.5
Trichlorofluoromethane		ND		4.9
1,2,3-Trichloropropane		ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		12
1,2,4-Trimethylbenzene		ND		2.5
1,3,5-Trimethylbenzene		ND		2.5
Vinyl chloride		ND		2.5
Ethylene Dibromide		ND		2.5
trans-1,4-Dichloro-2-butene		ND		4.9
trans-1,2-Dichloroethene		ND		2.5
m-Xylene & p-Xylene		ND		4.9
o-Xylene		ND		2.5

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	70 - 130
Dibromofluoromethane	93	70 - 130
Toluene-d8 (Surr)	100	70 - 130

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **R1-12 2-4'**

Lab Sample ID: 360-18464-11
Client Matrix: Solid

Date Sampled: 08/28/2008 1105
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1823
Date Prepared: 09/07/2008 1823
Date Leached: 09/05/2008 2127

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8582.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		11		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-12 2-4'

Lab Sample ID: 360-18464-11
Client Matrix: Solid

Date Sampled: 08/28/2008 1105
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1823
Date Prepared: 09/07/2008 1823
Date Leached: 09/05/2008 2127

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8582.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
Hexachlorobutadiene		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	123	53 - 125
4-Bromofluorobenzene	120	73 - 127
Dibromofluoromethane	106	54 - 137
Toluene-d8 (Surr)	100	63 - 121

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **R1-13 0-2'**

Lab Sample ID:	360-18464-13			Date Sampled:	08/28/2008 1110
Client Matrix:	Solid	% Moisture:	8.8	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35869		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35872		Lab File ID:	V39979.D
Dilution:	1.0			Initial Weight/Volume:	4.63 g
Date Analyzed:	09/04/2008 1758			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1152				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		15000
Acrylonitrile		ND		150
Benzene		ND		150
Bromobenzene		ND		150
n-Butylbenzene		ND		150
sec-Butylbenzene		ND		150
tert-Butylbenzene		ND		150
Dichlorobromomethane		ND		150
Bromoform		ND		150
Bromomethane		ND		300
2-Butanone (MEK)		ND		1500
Carbon disulfide		ND		150
Carbon tetrachloride		ND		150
Chlorobenzene		ND		150
Chloroethane		ND		300
Chloroform		ND		150
Chloromethane		ND		300
2-Chlorotoluene		ND		150
4-Chlorotoluene		ND		150
Chlorodibromomethane		ND		150
1,2-Dibromo-3-Chloropropane		ND		300
Dibromomethane		ND		150
1,2-Dichlorobenzene		ND		150
1,3-Dichlorobenzene		ND		150
1,4-Dichlorobenzene		ND		150
Dichlorodifluoromethane		ND		300
1,1-Dichloroethene		ND		150
1,1-Dichloroethane		ND		150
1,2-Dichloroethane		ND		150
cis-1,2-Dichloroethene		210		150
1,2-Dichloropropane		ND		150
1,3-Dichloropropane		ND		150
2,2-Dichloropropane		ND		150
1,1-Dichloropropene		ND		150
cis-1,3-Dichloropropene		ND		150
trans-1,3-Dichloropropene		ND		150
Ethylbenzene		ND		150
Hexachlorobutadiene		ND		150
2-Hexanone		ND		1500
Isopropylbenzene		ND		150
4-Isopropyltoluene		ND		150
Methylene Chloride		ND		590
4-Methyl-2-pentanone (MIBK)		ND		1500
Methyl tert-butyl ether		ND		150

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-13 0-2'

Lab Sample ID:	360-18464-13			Date Sampled:	08/28/2008 1110
Client Matrix:	Solid	% Moisture:	8.8	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35869		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35872		Lab File ID:	V39979.D
Dilution:	1.0			Initial Weight/Volume:	4.63 g
Date Analyzed:	09/04/2008 1758			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1152				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		1500
N-Propylbenzene		ND		150
Styrene		ND		150
1,1,1,2-Tetrachloroethane		ND		150
1,1,2,2-Tetrachloroethane		ND		150
Tetrachloroethene		ND		150
Tetrahydrofuran		ND		1500
Toluene		ND		150
1,2,3-Trichlorobenzene		ND		150
1,2,4-Trichlorobenzene		ND		150
1,1,1-Trichloroethane		ND		150
1,1,2-Trichloroethane		ND		150
Trichloroethene		2300		150
Trichlorofluoromethane		ND		300
1,2,3-Trichloropropane		ND		150
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		740
1,2,4-Trimethylbenzene		ND		150
1,3,5-Trimethylbenzene		ND		150
Vinyl chloride		ND		150
Ethylene Dibromide		ND		150
trans-1,4-Dichloro-2-butene		ND		300
trans-1,2-Dichloroethene		ND		150
m-Xylene & p-Xylene		ND		300
o-Xylene		ND		150

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	70 - 130
Dibromofluoromethane	92	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **R1-13 0-2'**

Lab Sample ID: 360-18464-13
Client Matrix: Solid

Date Sampled: 08/28/2008 1110
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1756
Date Prepared: 09/07/2008 1756
Date Leached: 09/05/2008 2127

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8581.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		8.8		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		8.3		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **R1-13 0-2'**

Lab Sample ID: 360-18464-13
Client Matrix: Solid

Date Sampled: 08/28/2008 1110
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1756
Date Prepared: 09/07/2008 1756
Date Leached: 09/05/2008 2127

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8581.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
Hexachlorobutadiene		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	53 - 125
4-Bromofluorobenzene	111	73 - 127
Dibromofluoromethane	95	54 - 137
Toluene-d8 (Surr)	92	63 - 121

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **R1-13 2-4'**

Lab Sample ID: 360-18464-14
Client Matrix: Solid
% Moisture: 7.1
Date Sampled: 08/28/2008 1115
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/05/2008 1613
Date Prepared: 09/04/2008 1131

Analysis Batch: 360-35923
Prep Batch: 360-35929

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40009.D
Initial Weight/Volume: 5.08 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		260
Acrylonitrile		ND		2.6
Benzene		ND		2.6
Bromobenzene		ND		2.6
n-Butylbenzene		ND		2.6
sec-Butylbenzene		ND		2.6
tert-Butylbenzene		ND		2.6
Dichlorobromomethane		ND		2.6
Bromoform		ND		2.6
Bromomethane		ND		5.3
2-Butanone (MEK)		ND		26
Carbon disulfide		ND		2.6
Carbon tetrachloride		ND		2.6
Chlorobenzene		ND		2.6
Chloroethane		ND		5.3
Chloroform		ND		2.6
Chloromethane		ND		5.3
2-Chlorotoluene		ND		2.6
4-Chlorotoluene		ND		2.6
Chlorodibromomethane		ND		2.6
1,2-Dibromo-3-Chloropropane		ND		5.3
Dibromomethane		ND		2.6
1,2-Dichlorobenzene		ND		2.6
1,3-Dichlorobenzene		ND		2.6
1,4-Dichlorobenzene		ND		2.6
Dichlorodifluoromethane		ND		5.3
1,1-Dichloroethene		ND		2.6
1,1-Dichloroethane		ND		2.6
1,2-Dichloroethane		ND		2.6
cis-1,2-Dichloroethene		ND		2.6
1,2-Dichloropropane		ND		2.6
1,3-Dichloropropane		ND		2.6
2,2-Dichloropropane		ND		2.6
1,1-Dichloropropene		ND		2.6
cis-1,3-Dichloropropene		ND		2.6
trans-1,3-Dichloropropene		ND		2.6
Ethylbenzene		ND		2.6
Hexachlorobutadiene		ND		2.6
2-Hexanone		ND		26
Isopropylbenzene		ND		2.6
4-Isopropyltoluene		ND		2.6
Methylene Chloride		ND		11
4-Methyl-2-pentanone (MIBK)		ND		26
Methyl tert-butyl ether		ND		2.6

Analytical Data

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-13 2-4'

Lab Sample ID:	360-18464-14			Date Sampled:	08/28/2008 1115
Client Matrix:	Solid	% Moisture:	7.1	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40009.D
Dilution:	1.0			Initial Weight/Volume:	5.08 g
Date Analyzed:	09/05/2008 1613			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		26
N-Propylbenzene		ND		2.6
Styrene		ND		2.6
1,1,1,2-Tetrachloroethane		ND		2.6
1,1,2,2-Tetrachloroethane		ND		2.6
Tetrachloroethene		ND		2.6
Tetrahydrofuran		ND		26
Toluene		ND		2.6
1,2,3-Trichlorobenzene		ND		2.6
1,2,4-Trichlorobenzene		ND		2.6
1,1,1-Trichloroethane		ND		2.6
1,1,2-Trichloroethane		ND		2.6
Trichloroethene		ND		2.6
Trichlorofluoromethane		ND		5.3
1,2,3-Trichloropropane		ND		2.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		13
1,2,4-Trimethylbenzene		ND		2.6
1,3,5-Trimethylbenzene		ND		2.6
Vinyl chloride		ND		2.6
Ethylene Dibromide		ND		2.6
trans-1,4-Dichloro-2-butene		ND		5.3
trans-1,2-Dichloroethene		ND		2.6
m-Xylene & p-Xylene		ND		5.3
o-Xylene		ND		2.6

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	70 - 130
Dibromofluoromethane	92	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **R1-13 2-4'**

Lab Sample ID: 360-18464-14
Client Matrix: Solid

Date Sampled: 08/28/2008 1115
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1729
Date Prepared: 09/07/2008 1729
Date Leached: 09/05/2008 2128

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8580.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		18		10
Methylene Chloride		10		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-13 2-4'

Lab Sample ID: 360-18464-14
Client Matrix: Solid

Date Sampled: 08/28/2008 1115
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1729
Date Prepared: 09/07/2008 1729
Date Leached: 09/05/2008 2128

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8580.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
Hexachlorobutadiene		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118	53 - 125
4-Bromofluorobenzene	116	73 - 127
Dibromofluoromethane	102	54 - 137
Toluene-d8 (Surr)	95	63 - 121

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **R1-14 0-2'**

Lab Sample ID: 360-18464-16
Client Matrix: Solid

Date Sampled: 08/28/2008 1122
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1702
Date Prepared: 09/07/2008 1702
Date Leached: 09/05/2008 2128

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8579.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		7.7		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-14 0-2'

Lab Sample ID: 360-18464-16
Client Matrix: Solid

Date Sampled: 08/28/2008 1122
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1702
Date Prepared: 09/07/2008 1702
Date Leached: 09/05/2008 2128

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8579.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
Hexachlorobutadiene		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	53 - 125
4-Bromofluorobenzene	109	73 - 127
Dibromofluoromethane	91	54 - 137
Toluene-d8 (Surr)	89	63 - 121

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-14 0-2'

Lab Sample ID: 360-18464-16
Client Matrix: Solid
% Moisture: 8.6
Date Sampled: 08/28/2008 1122
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/05/2008 1638
Date Prepared: 09/04/2008 1131

Analysis Batch: 360-35923
Prep Batch: 360-35929

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40010.D
Initial Weight/Volume: 2.57 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		530
Acrylonitrile		ND		5.3
Benzene		ND		5.3
Bromobenzene		ND		5.3
n-Butylbenzene		ND		5.3
sec-Butylbenzene		ND		5.3
tert-Butylbenzene		ND		5.3
Dichlorobromomethane		ND		5.3
Bromoform		ND		5.3
Bromomethane		ND		11
2-Butanone (MEK)		ND		53
Carbon disulfide		ND		5.3
Carbon tetrachloride		ND		5.3
Chlorobenzene		ND		5.3
Chloroethane		ND		11
Chloroform		ND		5.3
Chloromethane		ND		11
2-Chlorotoluene		ND		5.3
4-Chlorotoluene		ND		5.3
Chlorodibromomethane		ND		5.3
1,2-Dibromo-3-Chloropropane		ND		11
Dibromomethane		ND		5.3
1,2-Dichlorobenzene		ND		5.3
1,3-Dichlorobenzene		ND		5.3
1,4-Dichlorobenzene		ND		5.3
Dichlorodifluoromethane		ND		11
1,1-Dichloroethene		ND		5.3
1,1-Dichloroethane		ND		5.3
1,2-Dichloroethane		ND		5.3
cis-1,2-Dichloroethene		ND		5.3
1,2-Dichloropropane		ND		5.3
1,3-Dichloropropane		ND		5.3
2,2-Dichloropropane		ND		5.3
1,1-Dichloropropene		ND		5.3
cis-1,3-Dichloropropene		ND		5.3
trans-1,3-Dichloropropene		ND		5.3
Ethylbenzene		ND		5.3
Hexachlorobutadiene		ND		5.3
2-Hexanone		ND		53
Isopropylbenzene		ND		5.3
4-Isopropyltoluene		ND		5.3
Methylene Chloride		ND		21
4-Methyl-2-pentanone (MIBK)		ND		53
Methyl tert-butyl ether		ND		5.3

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-14 0-2'

Lab Sample ID:	360-18464-16			Date Sampled:	08/28/2008 1122
Client Matrix:	Solid	% Moisture:	8.6	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40010.D
Dilution:	1.0			Initial Weight/Volume:	2.57 g
Date Analyzed:	09/05/2008 1638			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		53
N-Propylbenzene		ND		5.3
Styrene		ND		5.3
1,1,1,2-Tetrachloroethane		ND		5.3
1,1,2,2-Tetrachloroethane		ND		5.3
Tetrachloroethene		ND		5.3
Tetrahydrofuran		ND		53
Toluene		ND		5.3
1,2,3-Trichlorobenzene		ND		5.3
1,2,4-Trichlorobenzene		ND		5.3
1,1,1-Trichloroethane		ND		5.3
1,1,2-Trichloroethane		ND		5.3
Trichloroethene		7.1		5.3
Trichlorofluoromethane		ND		11
1,2,3-Trichloropropane		ND		5.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		27
1,2,4-Trimethylbenzene		ND		5.3
1,3,5-Trimethylbenzene		ND		5.3
Vinyl chloride		ND		5.3
Ethylene Dibromide		ND		5.3
trans-1,4-Dichloro-2-butene		ND		11
trans-1,2-Dichloroethene		ND		5.3
m-Xylene & p-Xylene		ND		11
o-Xylene		ND		5.3

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	108	70 - 130
Dibromofluoromethane	90	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Analytical Data

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-14 2-4'

Lab Sample ID:	360-18464-17			Date Sampled:	08/28/2008 1126
Client Matrix:	Solid	% Moisture:	8.8	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40011.D
Dilution:	1.0			Initial Weight/Volume:	5.64 g
Date Analyzed:	09/05/2008 1703			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		240
Acrylonitrile		ND		2.4
Benzene		ND		2.4
Bromobenzene		ND		2.4
n-Butylbenzene		ND		2.4
sec-Butylbenzene		ND		2.4
tert-Butylbenzene		ND		2.4
Dichlorobromomethane		ND		2.4
Bromoform		ND		2.4
Bromomethane		ND		4.9
2-Butanone (MEK)		ND		24
Carbon disulfide		ND		2.4
Carbon tetrachloride		ND		2.4
Chlorobenzene		ND		2.4
Chloroethane		ND		4.9
Chloroform		ND		2.4
Chloromethane		ND		4.9
2-Chlorotoluene		ND		2.4
4-Chlorotoluene		ND		2.4
Chlorodibromomethane		ND		2.4
1,2-Dibromo-3-Chloropropane		ND		4.9
Dibromomethane		ND		2.4
1,2-Dichlorobenzene		ND		2.4
1,3-Dichlorobenzene		ND		2.4
1,4-Dichlorobenzene		ND		2.4
Dichlorodifluoromethane		ND		4.9
1,1-Dichloroethene		ND		2.4
1,1-Dichloroethane		ND		2.4
1,2-Dichloroethane		ND		2.4
cis-1,2-Dichloroethene		ND		2.4
1,2-Dichloropropane		ND		2.4
1,3-Dichloropropane		ND		2.4
2,2-Dichloropropane		ND		2.4
1,1-Dichloropropene		ND		2.4
cis-1,3-Dichloropropene		ND		2.4
trans-1,3-Dichloropropene		ND		2.4
Ethylbenzene		ND		2.4
Hexachlorobutadiene		ND		2.4
2-Hexanone		ND		24
Isopropylbenzene		ND		2.4
4-Isopropyltoluene		ND		2.4
Methylene Chloride		ND		9.7
4-Methyl-2-pentanone (MIBK)		ND		24
Methyl tert-butyl ether		ND		2.4

Analytical Data

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-14 2-4'

Lab Sample ID:	360-18464-17			Date Sampled:	08/28/2008 1126
Client Matrix:	Solid	% Moisture:	8.8	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40011.D
Dilution:	1.0			Initial Weight/Volume:	5.64 g
Date Analyzed:	09/05/2008 1703			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		24
N-Propylbenzene		ND		2.4
Styrene		ND		2.4
1,1,1,2-Tetrachloroethane		ND		2.4
1,1,2,2-Tetrachloroethane		ND		2.4
Tetrachloroethene		ND		2.4
Tetrahydrofuran		ND		24
Toluene		ND		2.4
1,2,3-Trichlorobenzene		ND		2.4
1,2,4-Trichlorobenzene		ND		2.4
1,1,1-Trichloroethane		ND		2.4
1,1,2-Trichloroethane		ND		2.4
Trichloroethene		ND		2.4
Trichlorofluoromethane		ND		4.9
1,2,3-Trichloropropane		ND		2.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		12
1,2,4-Trimethylbenzene		ND		2.4
1,3,5-Trimethylbenzene		ND		2.4
Vinyl chloride		ND		2.4
Ethylene Dibromide		ND		2.4
trans-1,4-Dichloro-2-butene		ND		4.9
trans-1,2-Dichloroethene		ND		2.4
m-Xylene & p-Xylene		ND		4.9
o-Xylene		ND		2.4

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	70 - 130
Dibromofluoromethane	91	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond | Job Number: 360-18464-1

Client Sample ID: **R1-16 0-2'**

Lab Sample ID:	360-18464-23			Date Sampled:	08/28/2008 1242
Client Matrix:	Solid	% Moisture:	17.2	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35924		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35932		Lab File ID:	V40025.D
Dilution:	1.0			Initial Weight/Volume:	1.63 g
Date Analyzed:	09/05/2008 2239			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1155				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND	*	930
Acrylonitrile		ND		9.3
Benzene		ND		9.3
Bromobenzene		ND		9.3
n-Butylbenzene		ND		9.3
sec-Butylbenzene		ND		9.3
tert-Butylbenzene		ND		9.3
Dichlorobromomethane		ND		9.3
Bromoform		ND		9.3
Bromomethane		ND		19
2-Butanone (MEK)		ND	*	93
Carbon disulfide		ND		9.3
Carbon tetrachloride		ND		9.3
Chlorobenzene		ND		9.3
Chloroethane		ND		19
Chloroform		ND		9.3
Chloromethane		ND		19
2-Chlorotoluene		ND		9.3
4-Chlorotoluene		ND		9.3
Chlorodibromomethane		ND		9.3
1,2-Dibromo-3-Chloropropane		ND		19
Dibromomethane		ND		9.3
1,2-Dichlorobenzene		ND		9.3
1,3-Dichlorobenzene		ND		9.3
1,4-Dichlorobenzene		ND		9.3
Dichlorodifluoromethane		ND		19
1,1-Dichloroethene		ND		9.3
1,1-Dichloroethane		ND		9.3
1,2-Dichloroethane		ND		9.3
cis-1,2-Dichloroethene		ND		9.3
1,2-Dichloropropane		ND		9.3
1,3-Dichloropropane		ND		9.3
2,2-Dichloropropane		ND		9.3
1,1-Dichloropropene		ND		9.3
cis-1,3-Dichloropropene		ND		9.3
trans-1,3-Dichloropropene		ND		9.3
Ethylbenzene		ND		9.3
Hexachlorobutadiene		ND		9.3
2-Hexanone		ND	*	93
Isopropylbenzene		ND		9.3
4-Isopropyltoluene		ND		9.3
Methylene Chloride		ND		37
4-Methyl-2-pentanone (MIBK)		ND		93
Methyl tert-butyl ether		ND		9.3

Analytical Data

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-16 0-2'

Lab Sample ID:	360-18464-23			Date Sampled:	08/28/2008 1242
Client Matrix:	Solid	% Moisture:	17.2	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35924		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35932		Lab File ID:	V40025.D
Dilution:	1.0			Initial Weight/Volume:	1.63 g
Date Analyzed:	09/05/2008 2239			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1155				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		93
N-Propylbenzene		ND		9.3
Styrene		ND		9.3
1,1,1,2-Tetrachloroethane		ND		9.3
1,1,2,2-Tetrachloroethane		ND		9.3
Tetrachloroethene		ND		9.3
Tetrahydrofuran		ND		93
Toluene		ND		9.3
1,2,3-Trichlorobenzene		ND		9.3
1,2,4-Trichlorobenzene		ND		9.3
1,1,1-Trichloroethane		ND		9.3
1,1,2-Trichloroethane		ND		9.3
Trichloroethene		300		9.3
Trichlorofluoromethane		ND		19
1,2,3-Trichloropropane		ND		9.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		46
1,2,4-Trimethylbenzene		ND		9.3
1,3,5-Trimethylbenzene		ND		9.3
Vinyl chloride		ND		9.3
Ethylene Dibromide		ND		9.3
trans-1,4-Dichloro-2-butene		ND		19
trans-1,2-Dichloroethene		ND		9.3
m-Xylene & p-Xylene		ND		19
o-Xylene		ND		9.3

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	115	70 - 130
Dibromofluoromethane	91	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **R1-16 0-2'**

Lab Sample ID: 360-18464-23
Client Matrix: Solid

Date Sampled: 08/28/2008 1242
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1608
Date Prepared: 09/07/2008 1608
Date Leached: 09/05/2008 2129

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8577.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		ND		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Analytical Data

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **R1-16 0-2'**

Lab Sample ID: 360-18464-23
Client Matrix: Solid

Date Sampled: 08/28/2008 1242
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1608
Date Prepared: 09/07/2008 1608
Date Leached: 09/05/2008 2129

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8577.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
Hexachlorobutadiene		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	53 - 125
4-Bromofluorobenzene	112	73 - 127
Dibromofluoromethane	95	54 - 137
Toluene-d8 (Surr)	90	63 - 121

Client: Tighe & Bond | Job Number: 360-18464-1

Client Sample ID: **R1-16 2-4'**

Lab Sample ID:	360-18464-24			Date Sampled:	08/28/2008 1245
Client Matrix:	Solid	% Moisture:	16.3	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40012.D
Dilution:	1.0			Initial Weight/Volume:	5.28 g
Date Analyzed:	09/05/2008 1727			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		280
Acrylonitrile		ND		2.8
Benzene		ND		2.8
Bromobenzene		ND		2.8
n-Butylbenzene		ND		2.8
sec-Butylbenzene		ND		2.8
tert-Butylbenzene		ND		2.8
Dichlorobromomethane		ND		2.8
Bromoform		ND		2.8
Bromomethane		ND		5.7
2-Butanone (MEK)		ND		28
Carbon disulfide		ND		2.8
Carbon tetrachloride		ND		2.8
Chlorobenzene		ND		2.8
Chloroethane		ND		5.7
Chloroform		ND		2.8
Chloromethane		ND		5.7
2-Chlorotoluene		ND		2.8
4-Chlorotoluene		ND		2.8
Chlorodibromomethane		ND		2.8
1,2-Dibromo-3-Chloropropane		ND		5.7
Dibromomethane		ND		2.8
1,2-Dichlorobenzene		ND		2.8
1,3-Dichlorobenzene		ND		2.8
1,4-Dichlorobenzene		ND		2.8
Dichlorodifluoromethane		ND		5.7
1,1-Dichloroethene		ND		2.8
1,1-Dichloroethane		ND		2.8
1,2-Dichloroethane		ND		2.8
cis-1,2-Dichloroethene		ND		2.8
1,2-Dichloropropane		ND		2.8
1,3-Dichloropropane		ND		2.8
2,2-Dichloropropane		ND		2.8
1,1-Dichloropropene		ND		2.8
cis-1,3-Dichloropropene		ND		2.8
trans-1,3-Dichloropropene		ND		2.8
Ethylbenzene		ND		2.8
Hexachlorobutadiene		ND		2.8
2-Hexanone		ND		28
Isopropylbenzene		ND		2.8
4-Isopropyltoluene		ND		2.8
Methylene Chloride		ND		11
4-Methyl-2-pentanone (MIBK)		ND		28
Methyl tert-butyl ether		ND		2.8

Analytical Data

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-16 2-4'

Lab Sample ID:	360-18464-24			Date Sampled:	08/28/2008 1245
Client Matrix:	Solid	% Moisture:	16.3	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40012.D
Dilution:	1.0			Initial Weight/Volume:	5.28 g
Date Analyzed:	09/05/2008 1727			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		28
N-Propylbenzene		ND		2.8
Styrene		ND		2.8
1,1,1,2-Tetrachloroethane		ND		2.8
1,1,2,2-Tetrachloroethane		ND		2.8
Tetrachloroethene		ND		2.8
Tetrahydrofuran		ND		28
Toluene		ND		2.8
1,2,3-Trichlorobenzene		ND		2.8
1,2,4-Trichlorobenzene		ND		2.8
1,1,1-Trichloroethane		ND		2.8
1,1,2-Trichloroethane		ND		2.8
Trichloroethene		ND		2.8
Trichlorofluoromethane		ND		5.7
1,2,3-Trichloropropane		ND		2.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		14
1,2,4-Trimethylbenzene		ND		2.8
1,3,5-Trimethylbenzene		ND		2.8
Vinyl chloride		ND		2.8
Ethylene Dibromide		ND		2.8
trans-1,4-Dichloro-2-butene		ND		5.7
trans-1,2-Dichloroethene		ND		2.8
m-Xylene & p-Xylene		ND		5.7
o-Xylene		ND		2.8

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	116	70 - 130
Dibromofluoromethane	91	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **DUP 2**

Lab Sample ID: 360-18464-26
Client Matrix: Solid
% Moisture: 16.6
Date Sampled: 08/28/2008 1242
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/05/2008 1926
Date Prepared: 09/04/2008 1131

Analysis Batch: 360-35923
Prep Batch: 360-35929

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40017.D
Initial Weight/Volume: 3.15 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		ND		34	480
Acrylonitrile		ND		3.1	4.8
Benzene		ND		1.9	4.8
Bromobenzene		ND		1.9	4.8
n-Butylbenzene		ND		1.9	4.8
sec-Butylbenzene		ND		1.9	4.8
tert-Butylbenzene		ND		1.9	4.8
Dichlorobromomethane		ND		1.9	4.8
Bromoform		ND		1.9	4.8
Bromomethane		ND		1.9	9.5
2-Butanone (MEK)		ND		13	48
Carbon disulfide		ND		1.9	4.8
Carbon tetrachloride		ND		1.9	4.8
Chlorobenzene		ND		1.9	4.8
Chloroethane		ND		1.9	9.5
Chloroform		ND		1.9	4.8
Chloromethane		ND		1.9	9.5
2-Chlorotoluene		ND		1.9	4.8
4-Chlorotoluene		ND		1.9	4.8
Chlorodibromomethane		ND		1.9	4.8
1,2-Dibromo-3-Chloropropane		ND		3.4	9.5
Dibromomethane		ND		1.9	4.8
1,2-Dichlorobenzene		ND		1.9	4.8
1,3-Dichlorobenzene		ND		1.9	4.8
1,4-Dichlorobenzene		ND		1.9	4.8
Dichlorodifluoromethane		ND		1.9	9.5
1,1-Dichloroethene		ND		1.9	4.8
1,1-Dichloroethane		ND		1.9	4.8
1,2-Dichloroethane		ND		1.9	4.8
cis-1,2-Dichloroethene		ND		1.9	4.8
1,2-Dichloropropane		ND		1.9	4.8
1,3-Dichloropropane		ND		1.9	4.8
2,2-Dichloropropane		ND		1.9	4.8
1,1-Dichloropropene		ND		1.9	4.8
cis-1,3-Dichloropropene		ND		1.9	4.8
trans-1,3-Dichloropropene		ND		1.9	4.8
Ethylbenzene		ND		1.9	4.8
Hexachlorobutadiene		ND		1.9	4.8
2-Hexanone		ND		9.8	48
Isopropylbenzene		ND		1.9	4.8
4-Isopropyltoluene		ND		1.9	4.8
Methylene Chloride		ND		9.2	9.5
4-Methyl-2-pentanone (MIBK)		ND		9.8	48
Methyl tert-butyl ether		ND		1.9	4.8

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **DUP 2**

Lab Sample ID:	360-18464-26			Date Sampled:	08/28/2008 1242
Client Matrix:	Solid	% Moisture:	16.6	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40017.D
Dilution:	1.0			Initial Weight/Volume:	3.15 g
Date Analyzed:	09/05/2008 1926			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		ND		1.9	48
N-Propylbenzene		ND		1.9	4.8
Styrene		ND		1.9	4.8
1,1,1,2-Tetrachloroethane		ND		1.9	4.8
1,1,2,2-Tetrachloroethane		ND		1.9	4.8
Tetrachloroethene		ND		1.9	4.8
Tetrahydrofuran		ND		10	48
Toluene		ND		1.9	4.8
1,2,3-Trichlorobenzene		ND		1.9	4.8
1,2,4-Trichlorobenzene		ND		1.9	4.8
1,1,1-Trichloroethane		ND		1.9	4.8
1,1,2-Trichloroethane		ND		1.9	4.8
Trichloroethene		5.7		1.9	4.8
Trichlorofluoromethane		ND		1.9	9.5
1,2,3-Trichloropropane		ND		2.8	4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.9	24
1,2,4-Trimethylbenzene		ND		1.9	4.8
1,3,5-Trimethylbenzene		ND		1.9	4.8
Vinyl chloride		ND		1.9	4.8
Ethylene Dibromide		ND		1.9	4.8
trans-1,4-Dichloro-2-butene		ND		1.9	9.5
trans-1,2-Dichloroethene		ND		1.9	4.8
m-Xylene & p-Xylene		ND		1.9	9.5
o-Xylene		ND		1.9	4.8

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	109	70 - 130
Dibromofluoromethane	87	70 - 130
Toluene-d8 (Surr)	96	70 - 130

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **DUP 2**

Lab Sample ID: 360-18464-26
Client Matrix: Solid

Date Sampled: 08/28/2008 1242
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1635
Date Prepared: 09/07/2008 1635
Date Leached: 09/05/2008 2134

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8578.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		8.7		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **DUP 2**

Lab Sample ID: 360-18464-26
Client Matrix: Solid

Date Sampled: 08/28/2008 1242
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1635
Date Prepared: 09/07/2008 1635
Date Leached: 09/05/2008 2134

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8578.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
Hexachlorobutadiene		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	53 - 125
4-Bromofluorobenzene	108	73 - 127
Dibromofluoromethane	96	54 - 137
Toluene-d8 (Surr)	88	63 - 121

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-17 0-2'

Lab Sample ID: 360-18464-27
Client Matrix: Solid
% Moisture: 3.9
Date Sampled: 08/28/2008 1254
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/05/2008 2304
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40026.D
Initial Weight/Volume: 4.33 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND	*	300
Acrylonitrile		ND		3.0
Benzene		ND		3.0
Bromobenzene		ND		3.0
n-Butylbenzene		ND		3.0
sec-Butylbenzene		ND		3.0
tert-Butylbenzene		ND		3.0
Dichlorobromomethane		ND		3.0
Bromoform		ND		3.0
Bromomethane		ND		6.0
2-Butanone (MEK)		ND	*	30
Carbon disulfide		ND		3.0
Carbon tetrachloride		ND		3.0
Chlorobenzene		ND		3.0
Chloroethane		ND		6.0
Chloroform		ND		3.0
Chloromethane		ND		6.0
2-Chlorotoluene		ND		3.0
4-Chlorotoluene		ND		3.0
Chlorodibromomethane		ND		3.0
1,2-Dibromo-3-Chloropropane		ND		6.0
Dibromomethane		ND		3.0
1,2-Dichlorobenzene		ND		3.0
1,3-Dichlorobenzene		ND		3.0
1,4-Dichlorobenzene		ND		3.0
Dichlorodifluoromethane		ND		6.0
1,1-Dichloroethene		ND		3.0
1,1-Dichloroethane		ND		3.0
1,2-Dichloroethane		ND		3.0
cis-1,2-Dichloroethene		ND		3.0
1,2-Dichloropropane		ND		3.0
1,3-Dichloropropane		ND		3.0
2,2-Dichloropropane		ND		3.0
1,1-Dichloropropene		ND		3.0
cis-1,3-Dichloropropene		ND		3.0
trans-1,3-Dichloropropene		ND		3.0
Ethylbenzene		ND		3.0
Hexachlorobutadiene		ND		3.0
2-Hexanone		ND	*	30
Isopropylbenzene		ND		3.0
4-Isopropyltoluene		ND		3.0
Methylene Chloride		ND		12
4-Methyl-2-pentanone (MIBK)		ND		30
Methyl tert-butyl ether		ND		3.0

Analytical Data

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-17 0-2'

Lab Sample ID:	360-18464-27			Date Sampled:	08/28/2008 1254
Client Matrix:	Solid	% Moisture:	3.9	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35924		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35932		Lab File ID:	V40026.D
Dilution:	1.0			Initial Weight/Volume:	4.33 g
Date Analyzed:	09/05/2008 2304			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1155				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		30
N-Propylbenzene		ND		3.0
Styrene		ND		3.0
1,1,1,2-Tetrachloroethane		ND		3.0
1,1,2,2-Tetrachloroethane		ND		3.0
Tetrachloroethene		ND		3.0
Tetrahydrofuran		ND		30
Toluene		ND		3.0
1,2,3-Trichlorobenzene		ND		3.0
1,2,4-Trichlorobenzene		ND		3.0
1,1,1-Trichloroethane		ND		3.0
1,1,2-Trichloroethane		ND		3.0
Trichloroethene		59		3.0
Trichlorofluoromethane		ND		6.0
1,2,3-Trichloropropane		ND		3.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		15
1,2,4-Trimethylbenzene		ND		3.0
1,3,5-Trimethylbenzene		ND		3.0
Vinyl chloride		ND		3.0
Ethylene Dibromide		ND		3.0
trans-1,4-Dichloro-2-butene		ND		6.0
trans-1,2-Dichloroethene		ND		3.0
m-Xylene & p-Xylene		ND		6.0
o-Xylene		ND		3.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	70 - 130
Dibromofluoromethane	88	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **R1-17 0-2'**

Lab Sample ID: 360-18464-27
Client Matrix: Solid

Date Sampled: 08/28/2008 1254
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1541
Date Prepared: 09/07/2008 1541
Date Leached: 09/05/2008 2135

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8576.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		10		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		8.6		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Analytical Data

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **R1-17 0-2'**

Lab Sample ID: 360-18464-27
Client Matrix: Solid

Date Sampled: 08/28/2008 1254
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1541
Date Prepared: 09/07/2008 1541
Date Leached: 09/05/2008 2135

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8576.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0
Hexachlorobutadiene		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118	53 - 125
4-Bromofluorobenzene	120	73 - 127
Dibromofluoromethane	105	54 - 137
Toluene-d8 (Surr)	99	63 - 121

Analytical Data

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-15 0-2'

Lab Sample ID:	360-18464-20			Date Sampled:	08/28/2008 1146
Client Matrix:	Solid	% Moisture:	8.9	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35969		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35898		Lab File ID:	H2871.D
Dilution:	1.0			Initial Weight/Volume:	10.30 g
Date Analyzed:	09/08/2008 1539			Final Weight/Volume:	10.00 mL
Date Prepared:	09/05/2008 1535			Injection Volume:	1.0 uL
				Column ID:	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	Acceptance Limits
DCB Decachlorobiphenyl	83	30 - 150
Tetrachloro-m-xylene	100	30 - 150

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: **R1-15 2-4'**

Lab Sample ID:	360-18464-21			Date Sampled:	08/28/2008 1148
Client Matrix:	Solid	% Moisture:	8.2	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35969		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35898		Lab File ID:	H2872.D
Dilution:	1.0			Initial Weight/Volume:	10.81 g
Date Analyzed:	09/08/2008 1600			Final Weight/Volume:	10.00 mL
Date Prepared:	09/05/2008 1535			Injection Volume:	1.0 uL
				Column ID:	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	Acceptance Limits
DCB Decachlorobiphenyl	89	30 - 150
Tetrachloro-m-xylene	106	30 - 150

Analytical Data

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-17 0-2'

Lab Sample ID:	360-18464-27			Date Sampled:	08/28/2008 1254
Client Matrix:	Solid	% Moisture:	3.9	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35969		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35898		Lab File ID:	H2873.D
Dilution:	1.0			Initial Weight/Volume:	10.21 g
Date Analyzed:	09/08/2008 1621			Final Weight/Volume:	10.00 mL
Date Prepared:	09/05/2008 1535			Injection Volume:	1.0 uL
				Column ID:	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	390		100
PCB-1260	ND		100
PCB-1262	ND		100
PCB-1268	ND		100

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	93	30 - 150
Tetrachloro-m-xylene	101	30 - 150

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-15 0-2'

Lab Sample ID:	360-18464-20			Date Sampled:	08/28/2008 1146
Client Matrix:	Solid	% Moisture:	8.9	Date Received:	08/29/2008 1130

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-35820		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-35785		Lab File ID:	F11566.D
Dilution:	1.0			Initial Weight/Volume:	30.61 g
Date Analyzed:	09/03/2008 2301			Final Weight/Volume:	1.0 mL
Date Prepared:	09/03/2008 1410			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (mg/Kg)	Qualifier	RL
C9-C36	66		3.5

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	52	50 - 150

Analytical Data

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-15 2-4'

Lab Sample ID:	360-18464-21			Date Sampled:	08/28/2008 1148
Client Matrix:	Solid	% Moisture:	8.2	Date Received:	08/29/2008 1130

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-35820		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-35785		Lab File ID:	F11567.D
Dilution:	1.0			Initial Weight/Volume:	30.38 g
Date Analyzed:	09/03/2008 2333			Final Weight/Volume:	1.0 mL
Date Prepared:	09/03/2008 1410			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (mg/Kg)	Qualifier	RL
C9-C36	330		3.5

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	47	X	50 - 150

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-1 0-2'

Lab Sample ID:	360-18464-1		Date Sampled:	08/28/2008 0945
Client Matrix:	Solid	% Moisture: 32.6	Date Received:	08/29/2008 1130

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-35753	Instrument ID:	Varian 720 ES ICP
Preparation:	3050B	Prep Batch: 360-35722	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.77 g
Date Analyzed:	09/02/2008 1538		Final Weight/Volume:	100 mL
Date Prepared:	09/02/2008 0724			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Copper		720		1.7
Lead		110		0.84
Zinc		610		4.2

Method:	6010B	Analysis Batch: 360-35842	Instrument ID:	Varian 720 ES ICP
Preparation:	3050B	Prep Batch: 360-35722	Lab File ID:	N/A
Dilution:	2.0		Initial Weight/Volume:	1.77 g
Date Analyzed:	09/04/2008 1328		Final Weight/Volume:	100 mL
Date Prepared:	09/02/2008 0724			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		1.8		1.7

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-1 2-4'

Lab Sample ID:	360-18464-2	Date Sampled:	08/28/2008 0953
Client Matrix:	Solid % Moisture: 5.9	Date Received:	08/29/2008 1130

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-35753	Instrument ID:	Varian 720 ES ICP
Preparation:	3050B	Prep Batch: 360-35722	Lab File ID:	N/A
Dilution:	2.0		Initial Weight/Volume:	1.84 g
Date Analyzed:	09/02/2008 1627		Final Weight/Volume:	100 mL
Date Prepared:	09/02/2008 0724			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Copper		54		2.3
Lead		22		1.2
Zinc		90		5.8

Method:	6010B	Analysis Batch: 360-35842	Instrument ID:	Varian 720 ES ICP
Preparation:	3050B	Prep Batch: 360-35722	Lab File ID:	N/A
Dilution:	5.0		Initial Weight/Volume:	1.84 g
Date Analyzed:	09/04/2008 1331		Final Weight/Volume:	100 mL
Date Prepared:	09/02/2008 0724			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		ND		2.9

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-2- 0-2'

Lab Sample ID:	360-18464-3	Date Sampled:	08/28/2008 0951
Client Matrix:	Solid	% Moisture: 4.2	Date Received: 08/29/2008 1130

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-35753	Instrument ID:	Varian 720 ES ICP
Preparation:	3050B	Prep Batch: 360-35722	Lab File ID:	N/A
Dilution:	2.0		Initial Weight/Volume:	1.93 g
Date Analyzed:	09/02/2008 1630		Final Weight/Volume:	100 mL
Date Prepared:	09/02/2008 0724			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Copper		31		2.2
Lead		1.8		1.1
Zinc		50		5.4

Method:	6010B	Analysis Batch: 360-35842	Instrument ID:	Varian 720 ES ICP
Preparation:	3050B	Prep Batch: 360-35722	Lab File ID:	N/A
Dilution:	5.0		Initial Weight/Volume:	1.93 g
Date Analyzed:	09/04/2008 1334		Final Weight/Volume:	100 mL
Date Prepared:	09/02/2008 0724			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		ND		2.7

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-2- 2-4'

Lab Sample ID:	360-18464-4	Date Sampled:	08/28/2008 0955
Client Matrix:	Solid	% Moisture: 4.2	Date Received: 08/29/2008 1130

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-35753	Instrument ID:	Varian 720 ES ICP
Preparation:	3050B	Prep Batch: 360-35722	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.69 g
Date Analyzed:	09/02/2008 1547		Final Weight/Volume:	100 mL
Date Prepared:	09/02/2008 0724			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Copper		22		1.2
Lead		1.6		0.62
Zinc		38		3.1

Method:	6010B	Analysis Batch: 360-35842	Instrument ID:	Varian 720 ES ICP
Preparation:	3050B	Prep Batch: 360-35722	Lab File ID:	N/A
Dilution:	2.0		Initial Weight/Volume:	1.69 g
Date Analyzed:	09/04/2008 1337		Final Weight/Volume:	100 mL
Date Prepared:	09/02/2008 0724			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		ND		1.2

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-3 0-2'

Lab Sample ID:	360-18464-5		Date Sampled:	08/28/2008 1000
Client Matrix:	Solid	% Moisture: 6.8	Date Received:	08/29/2008 1130

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-35753	Instrument ID:	Varian 720 ES ICP
Preparation:	3050B	Prep Batch: 360-35722	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.90 g
Date Analyzed:	09/02/2008 1550		Final Weight/Volume:	100 mL
Date Prepared:	09/02/2008 0724			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Copper		45		1.1
Lead		6.5		0.56
Zinc		55		2.8

Method:	6010B	Analysis Batch: 360-35842	Instrument ID:	Varian 720 ES ICP
Preparation:	3050B	Prep Batch: 360-35722	Lab File ID:	N/A
Dilution:	2.0		Initial Weight/Volume:	1.90 g
Date Analyzed:	09/04/2008 1345		Final Weight/Volume:	100 mL
Date Prepared:	09/02/2008 0724			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		ND		1.1

Client: Tighe & Bond

Job Number: 360-18464-1

Client Sample ID: R1-4 0-2'

Lab Sample ID:	360-18464-6		Date Sampled:	08/28/2008 1015
Client Matrix:	Solid	% Moisture: 8.8	Date Received:	08/29/2008 1130

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-35753	Instrument ID:	Varian 720 ES ICP
Preparation:	3050B	Prep Batch: 360-35722	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.59 g
Date Analyzed:	09/02/2008 1553		Final Weight/Volume:	100 mL
Date Prepared:	09/02/2008 0724			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Copper		47		1.4
Lead		8.4		0.69
Zinc		71		3.4

Method:	6010B	Analysis Batch: 360-35842	Instrument ID:	Varian 720 ES ICP
Preparation:	3050B	Prep Batch: 360-35722	Lab File ID:	N/A
Dilution:	2.0		Initial Weight/Volume:	1.59 g
Date Analyzed:	09/04/2008 1348		Final Weight/Volume:	100 mL
Date Prepared:	09/02/2008 0724			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		ND		1.4

General Chemistry

Client Sample ID: R1-1 0-2'

Lab Sample ID: 360-18464-1
Client Matrix: Solid

Date Sampled: 08/28/2008 0945
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	33		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758	Date Analyzed	09/03/2008 0902					
Percent Solids	67		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758	Date Analyzed	09/03/2008 0902					

Client Sample ID: R1-1 2-4'

Lab Sample ID: 360-18464-2
Client Matrix: Solid

Date Sampled: 08/28/2008 0953
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.9		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758	Date Analyzed	09/03/2008 0902					
Percent Solids	94		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758	Date Analyzed	09/03/2008 0902					

Client Sample ID: R1-2- 0-2'

Lab Sample ID: 360-18464-3
Client Matrix: Solid

Date Sampled: 08/28/2008 0951
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.2		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758	Date Analyzed	09/03/2008 0902					
Percent Solids	96		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758	Date Analyzed	09/03/2008 0902					

General Chemistry

Client Sample ID: R1-2- 2-4'

Lab Sample ID: 360-18464-4 Date Sampled: 08/28/2008 0955
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.2		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758	Date Analyzed	09/03/2008 0902					
Percent Solids	96		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758	Date Analyzed	09/03/2008 0902					

Client Sample ID: R1-3 0-2'

Lab Sample ID: 360-18464-5 Date Sampled: 08/28/2008 1000
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.8		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758	Date Analyzed	09/03/2008 0902					
Percent Solids	93		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758	Date Analyzed	09/03/2008 0902					

Client Sample ID: R1-4 0-2'

Lab Sample ID: 360-18464-6 Date Sampled: 08/28/2008 1015
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.8		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758	Date Analyzed	09/03/2008 0902					
Percent Solids	91		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758	Date Analyzed	09/03/2008 0902					

Client Sample ID: R1-11 0-2'

Lab Sample ID: 360-18464-7 Date Sampled: 08/28/2008 1040
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.4		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758	Date Analyzed	09/03/2008 0902					
Percent Solids	92		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758	Date Analyzed	09/03/2008 0902					

General Chemistry

Client Sample ID: R1-11 2-4'

Lab Sample ID: 360-18464-8 Date Sampled: 08/28/2008 1045
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.3		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	92		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: DUP-1

Lab Sample ID: 360-18464-9 Date Sampled: 08/28/2008 1045
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	87		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-12 0-2'

Lab Sample ID: 360-18464-10 Date Sampled: 08/28/2008 1053
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	90		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-12 2-4'

Lab Sample ID: 360-18464-11 Date Sampled: 08/28/2008 1105
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	89		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

General Chemistry

Client Sample ID: R1-13 0-2'

Lab Sample ID: 360-18464-13
Client Matrix: Solid

Date Sampled: 08/28/2008 1110
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.8		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	91		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-13 2-4'

Lab Sample ID: 360-18464-14
Client Matrix: Solid

Date Sampled: 08/28/2008 1115
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.1		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	93		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-14 0-2'

Lab Sample ID: 360-18464-16
Client Matrix: Solid

Date Sampled: 08/28/2008 1122
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.6		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	91		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-14 2-4'

Lab Sample ID: 360-18464-17
Client Matrix: Solid

Date Sampled: 08/28/2008 1126
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.8		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	91		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

General Chemistry

Client Sample ID: R1-15 0-2'

Lab Sample ID: 360-18464-20
Client Matrix: Solid

Date Sampled: 08/28/2008 1146
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.9		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	91		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-15 2-4'

Lab Sample ID: 360-18464-21
Client Matrix: Solid

Date Sampled: 08/28/2008 1148
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.2		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	92		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-16 0-2'

Lab Sample ID: 360-18464-23
Client Matrix: Solid

Date Sampled: 08/28/2008 1242
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	83		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-16 2-4'

Lab Sample ID: 360-18464-24
Client Matrix: Solid

Date Sampled: 08/28/2008 1245
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	84		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

General Chemistry

Client Sample ID: DUP 2

Lab Sample ID: 360-18464-26
Client Matrix: Solid

Date Sampled: 08/28/2008 1242
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	83		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-17 0-2'

Lab Sample ID: 360-18464-27
Client Matrix: Solid

Date Sampled: 08/28/2008 1254
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.9		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	96		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

DATA REPORTING QUALIFIERS

Client: Tighe & Bond

Job Number: 360-18464-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	E	Result exceeded calibration range, secondary dilution required.
GC Semi VOA		
	X	Surrogate exceeds the control limits

QUALITY CONTROL RESULTS

Client: Tighe & Bond

Job Number: 360-18464-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 220-19649					
LB 220-19649/10-A	TCLP SPLPE Leachate Blank	F	Solid	1312	
Prep Batch: 220-19702					
360-18464-10	R1-12 0-2'	F	Solid	1312	
360-18464-10DL	R1-12 0-2'	F	Solid	1312	
360-18464-11	R1-12 2-4'	F	Solid	1312	
360-18464-13	R1-13 0-2'	F	Solid	1312	
360-18464-14	R1-13 2-4'	F	Solid	1312	
360-18464-16	R1-14 0-2'	F	Solid	1312	
360-18464-23	R1-16 0-2'	F	Solid	1312	
360-18464-26	DUP 2	F	Solid	1312	
360-18464-27	R1-17 0-2'	F	Solid	1312	
Analysis Batch:220-19746					
LB 220-19649/10-A	TCLP SPLPE Leachate Blank	F	Solid	8260B	
LCS 220-19746/2	Lab Control Spike	T	Water	8260B	
MB 220-19746/3	Method Blank	T	Water	8260B	
360-18464-10	R1-12 0-2'	F	Solid	8260B	
360-18464-11	R1-12 2-4'	F	Solid	8260B	
360-18464-13	R1-13 0-2'	F	Solid	8260B	
360-18464-14	R1-13 2-4'	F	Solid	8260B	
360-18464-16	R1-14 0-2'	F	Solid	8260B	
360-18464-23	R1-16 0-2'	F	Solid	8260B	
360-18464-26	DUP 2	F	Solid	8260B	
360-18464-27	R1-17 0-2'	F	Solid	8260B	
Analysis Batch:220-19766					
LCS 220-19766/2	Lab Control Spike	T	Water	8260B	
MB 220-19766/3	Method Blank	T	Water	8260B	
360-18464-10DL	R1-12 0-2'	F	Solid	8260B	
Analysis Batch:360-35869					
LCS 360-35872/1-A	Lab Control Spike	T	Solid	8260B	360-35872
LCSD 360-35872/2-A	Lab Control Spike Duplicate	T	Solid	8260B	360-35872
MB 360-35872/3-A	Method Blank	T	Solid	8260B	360-35872
360-18464-8	R1-11 2-4'	T	Solid	8260B	360-35872
360-18464-9	DUP-1	T	Solid	8260B	360-35872
360-18464-10	R1-12 0-2'	T	Solid	8260B	360-35872
360-18464-13	R1-13 0-2'	T	Solid	8260B	360-35872

Client: Tighe & Bond

Job Number: 360-18464-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 360-35872					
LCS 360-35872/1-A	Lab Control Spike	T	Solid	5035	
LCSD 360-35872/2-A	Lab Control Spike Duplicate	T	Solid	5035	
MB 360-35872/3-A	Method Blank	T	Solid	5035	
360-18464-8	R1-11 2-4'	T	Solid	5035	
360-18464-9	DUP-1	T	Solid	5035	
360-18464-10	R1-12 0-2'	T	Solid	5035	
360-18464-13	R1-13 0-2'	T	Solid	5035	
Analysis Batch:360-35923					
LCS 360-35923/1	Lab Control Spike	T	Solid	8260B	
LCSD 360-35923/2	Lab Control Spike Duplicate	T	Solid	8260B	
MB 360-35923/3	Method Blank	T	Solid	8260B	
360-18464-7	R1-11 0-2'	T	Solid	8260B	360-35929
360-18464-11	R1-12 2-4'	T	Solid	8260B	360-35929
360-18464-14	R1-13 2-4'	T	Solid	8260B	360-35929
360-18464-16	R1-14 0-2'	T	Solid	8260B	360-35929
360-18464-17	R1-14 2-4'	T	Solid	8260B	360-35929
360-18464-24	R1-16 2-4'	T	Solid	8260B	360-35929
360-18464-26	DUP 2	T	Solid	8260B	360-35929
Analysis Batch:360-35924					
LCS 360-35932/1-A	Lab Control Spike	T	Solid	8260B	360-35932
LCSD 360-35932/2-A	Lab Control Spike Duplicate	T	Solid	8260B	360-35932
MB 360-35932/3-A	Method Blank	T	Solid	8260B	360-35932
360-18464-10	R1-12 0-2'	T	Solid	8260B	360-35932
360-18464-23	R1-16 0-2'	T	Solid	8260B	360-35932
360-18464-27	R1-17 0-2'	T	Solid	8260B	360-35932
Prep Batch: 360-35929					
360-18464-7	R1-11 0-2'	T	Solid	5035	
360-18464-11	R1-12 2-4'	T	Solid	5035	
360-18464-14	R1-13 2-4'	T	Solid	5035	
360-18464-16	R1-14 0-2'	T	Solid	5035	
360-18464-17	R1-14 2-4'	T	Solid	5035	
360-18464-24	R1-16 2-4'	T	Solid	5035	
360-18464-26	DUP 2	T	Solid	5035	
Prep Batch: 360-35932					
LCS 360-35932/1-A	Lab Control Spike	T	Solid	5035	
LCSD 360-35932/2-A	Lab Control Spike Duplicate	T	Solid	5035	
MB 360-35932/3-A	Method Blank	T	Solid	5035	
360-18464-10	R1-12 0-2'	T	Solid	5035	
360-18464-23	R1-16 0-2'	T	Solid	5035	
360-18464-27	R1-17 0-2'	T	Solid	5035	

Client: Tighe & Bond

Job Number: 360-18464-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
F = SPLP					
T = Total					
GC Semi VOA					
Prep Batch: 360-35785					
LCS 360-35785/2-A	Lab Control Spike	T	Solid	3546	
LCSD 360-35785/3-A	Lab Control Spike Duplicate	T	Solid	3546	
MB 360-35785/1-A	Method Blank	T	Solid	3546	
360-18464-20	R1-15 0-2'	T	Solid	3546	
360-18464-21	R1-15 2-4'	T	Solid	3546	
Analysis Batch:360-35820					
LCS 360-35785/2-A	Lab Control Spike	T	Solid	CT ETPH	360-35785
LCSD 360-35785/3-A	Lab Control Spike Duplicate	T	Solid	CT ETPH	360-35785
MB 360-35785/1-A	Method Blank	T	Solid	CT ETPH	360-35785
360-18464-20	R1-15 0-2'	T	Solid	CT ETPH	360-35785
360-18464-21	R1-15 2-4'	T	Solid	CT ETPH	360-35785
Prep Batch: 360-35898					
LCS 360-35898/2-A	Lab Control Spike	T	Solid	3546	
LCSD 360-35898/3-A	Lab Control Spike Duplicate	T	Solid	3546	
MB 360-35898/1-A	Method Blank	T	Solid	3546	
360-18464-20	R1-15 0-2'	T	Solid	3546	
360-18464-21	R1-15 2-4'	T	Solid	3546	
360-18464-27	R1-17 0-2'	T	Solid	3546	
Analysis Batch:360-35969					
LCS 360-35898/2-A	Lab Control Spike	T	Solid	8082	360-35898
LCSD 360-35898/3-A	Lab Control Spike Duplicate	T	Solid	8082	360-35898
MB 360-35898/1-A	Method Blank	T	Solid	8082	360-35898
360-18464-20	R1-15 0-2'	T	Solid	8082	360-35898
360-18464-21	R1-15 2-4'	T	Solid	8082	360-35898
360-18464-27	R1-17 0-2'	T	Solid	8082	360-35898

Report Basis
T = Total

Client: Tighe & Bond

Job Number: 360-18464-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-35722					
LCS 360-35722/2-A	Lab Control Spike	T	Solid	3050B	
LCSD 360-35722/3-A	Lab Control Spike Duplicate	T	Solid	3050B	
MB 360-35722/1-A	Method Blank	T	Solid	3050B	
360-18464-1	R1-1 0-2'	T	Solid	3050B	
360-18464-2	R1-1 2-4'	T	Solid	3050B	
360-18464-3	R1-2- 0-2'	T	Solid	3050B	
360-18464-4	R1-2- 2-4'	T	Solid	3050B	
360-18464-5	R1-3 0-2'	T	Solid	3050B	
360-18464-6	R1-4 0-2'	T	Solid	3050B	
Analysis Batch:360-35753					
LCS 360-35722/2-A	Lab Control Spike	T	Solid	6010B	360-35722
LCSD 360-35722/3-A	Lab Control Spike Duplicate	T	Solid	6010B	360-35722
MB 360-35722/1-A	Method Blank	T	Solid	6010B	360-35722
360-18464-1	R1-1 0-2'	T	Solid	6010B	360-35722
360-18464-2	R1-1 2-4'	T	Solid	6010B	360-35722
360-18464-3	R1-2- 0-2'	T	Solid	6010B	360-35722
360-18464-4	R1-2- 2-4'	T	Solid	6010B	360-35722
360-18464-5	R1-3 0-2'	T	Solid	6010B	360-35722
360-18464-6	R1-4 0-2'	T	Solid	6010B	360-35722
Analysis Batch:360-35842					
360-18464-1	R1-1 0-2'	T	Solid	6010B	360-35722
360-18464-2	R1-1 2-4'	T	Solid	6010B	360-35722
360-18464-3	R1-2- 0-2'	T	Solid	6010B	360-35722
360-18464-4	R1-2- 2-4'	T	Solid	6010B	360-35722
360-18464-5	R1-3 0-2'	T	Solid	6010B	360-35722
360-18464-6	R1-4 0-2'	T	Solid	6010B	360-35722

Report Basis
T = Total

Client: Tighe & Bond

Job Number: 360-18464-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-35758					
360-18464-1	R1-1 0-2'	T	Solid	PercentMoisture	
360-18464-2	R1-1 2-4'	T	Solid	PercentMoisture	
360-18464-3	R1-2- 0-2'	T	Solid	PercentMoisture	
360-18464-4	R1-2- 2-4'	T	Solid	PercentMoisture	
360-18464-5	R1-3 0-2'	T	Solid	PercentMoisture	
360-18464-6	R1-4 0-2'	T	Solid	PercentMoisture	
360-18464-7	R1-11 0-2'	T	Solid	PercentMoisture	
360-18464-8	R1-11 2-4'	T	Solid	PercentMoisture	
360-18464-9	DUP-1	T	Solid	PercentMoisture	
360-18464-10	R1-12 0-2'	T	Solid	PercentMoisture	
360-18464-11	R1-12 2-4'	T	Solid	PercentMoisture	
360-18464-11DU	Duplicate	T	Solid	PercentMoisture	
360-18464-13	R1-13 0-2'	T	Solid	PercentMoisture	
360-18464-14	R1-13 2-4'	T	Solid	PercentMoisture	
360-18464-16	R1-14 0-2'	T	Solid	PercentMoisture	
360-18464-17	R1-14 2-4'	T	Solid	PercentMoisture	
360-18464-20	R1-15 0-2'	T	Solid	PercentMoisture	
360-18464-21	R1-15 2-4'	T	Solid	PercentMoisture	
360-18464-23	R1-16 0-2'	T	Solid	PercentMoisture	
360-18464-24	R1-16 2-4'	T	Solid	PercentMoisture	
360-18464-26	DUP 2	T	Solid	PercentMoisture	
360-18464-27	R1-17 0-2'	T	Solid	PercentMoisture	

Report Basis
T = Total

Client: Tighe & Bond

Job Number: 360-18464-1

Method Blank - Batch: 220-19746

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-19746/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/07/2008 1354
Date Prepared: 09/07/2008 1354

Analysis Batch: 220-19746
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8572.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloromethane	ND		5.0
Vinyl chloride	ND		5.0
Bromomethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Carbon disulfide	ND		5.0
Acetone	ND		10
Methylene Chloride	ND		5.0
1,1-Dichloroethane	ND		5.0
Methyl Ethyl Ketone	ND		10
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Bromodichloromethane	ND		5.0
methyl isobutyl ketone	ND		10
Toluene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Dibromochloromethane	ND		5.0
Chlorobenzene	ND		5.0
Ethylbenzene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
Acrylonitrile	ND		10
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dibromoethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methyl tert-butyl ether	ND		5.0
Isopropylbenzene	ND		5.0

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

Client: Tighe & Bond

Job Number: 360-18464-1

Method Blank - Batch: 220-19746

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-19746/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/07/2008 1354
Date Prepared: 09/07/2008 1354

Analysis Batch: 220-19746
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8572.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
N-Propylbenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
trans-1,4-Dichloro-2-butene	ND		10
Acrolein	ND		25
Acetonitrile	ND		50
1,3-Dichloropropane	ND		5.0
Xylenes, Total	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,2-Dichloroethene, Total	ND		5.0
m&p-Xylene	ND		5.0
o-Xylene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Tetrahydrofuran	ND		10
Dichlorodifluoromethane	ND		5.0
Chloroethane	ND		5.0
Dibromomethane	ND		5.0
1,1-Dichloropropene	ND		5.0
Naphthalene	ND		5.0
Bromobenzene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
2-Hexanone	ND		10
2,2-Dichloropropane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
Hexachlorobutadiene	ND		5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	53 - 125
4-Bromofluorobenzene	114	73 - 127
Dibromofluoromethane	97	54 - 137
Toluene-d8 (Surr)	96	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18464-1

TCLP SPLPE Leachate Blank - Batch: 220-19746

Method: 8260B
Preparation: 5030B
SPLP

Lab Sample ID: LB 220-19649/10-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/07/2008 1421
Date Prepared: 09/07/2008 1421
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19746
Prep Batch: N/A
Units: ug/L

Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8573.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloromethane	ND		5.0
Vinyl chloride	ND		5.0
Bromomethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Carbon disulfide	ND		5.0
Acetone	ND		10
Methylene Chloride	ND		5.0
1,1-Dichloroethane	ND		5.0
Methyl Ethyl Ketone	ND		10
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Bromodichloromethane	ND		5.0
methyl isobutyl ketone	ND		10
Toluene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Dibromochloromethane	ND		5.0
Chlorobenzene	ND		5.0
Ethylbenzene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
Acrylonitrile	ND		10
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dibromoethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methyl tert-butyl ether	ND		5.0
Isopropylbenzene	ND		5.0

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

Client: Tighe & Bond

Job Number: 360-18464-1

TCLP SPLPE Leachate Blank - Batch: 220-19746

Method: 8260B
Preparation: 5030B
SPLP

Lab Sample ID: LB 220-19649/10-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/07/2008 1421
Date Prepared: 09/07/2008 1421
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19746
Prep Batch: N/A
Units: ug/L

Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8573.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
N-Propylbenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
trans-1,4-Dichloro-2-butene	ND		10
Acrolein	ND		25
Acetonitrile	ND		50
1,3-Dichloropropane	ND		5.0
Xylenes, Total	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,2-Dichloroethene, Total	ND		5.0
m&p-Xylene	ND		5.0
o-Xylene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Tetrahydrofuran	ND		10
Dichlorodifluoromethane	ND		5.0
Chloroethane	ND		5.0
Dibromomethane	ND		5.0
1,1-Dichloropropene	ND		5.0
Naphthalene	ND		5.0
Bromobenzene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
2-Hexanone	ND		10
2,2-Dichloropropane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
Hexachlorobutadiene	ND		5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112	53 - 125
4-Bromofluorobenzene	120	73 - 127
Dibromofluoromethane	103	54 - 137
Toluene-d8 (Surr)	100	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18464-1

Lab Control Spike - Batch: 220-19746

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-19746/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/07/2008 1301
Date Prepared: 09/07/2008 1301

Analysis Batch: 220-19746
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8570.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	10.0	7.70	77	43 - 134	
Vinyl chloride	10.0	8.69	87	51 - 139	
Bromomethane	10.0	7.75	77	27 - 171	
1,1-Dichloroethene	10.0	9.93	99	57 - 137	
Carbon disulfide	10.0	9.80	98	44 - 142	
Acetone	10.0	13.4	134	18 - 263	
Methylene Chloride	10.0	10.6	106	61 - 129	
1,1-Dichloroethane	10.0	11.3	113	67 - 121	
Methyl Ethyl Ketone	10.0	12.1	121	30 - 222	
Chloroform	10.0	11.5	115	70 - 124	
1,1,1-Trichloroethane	10.0	11.4	114	60 - 128	
Carbon tetrachloride	10.0	11.4	114	56 - 131	
Benzene	10.0	10.9	109	68 - 126	
1,2-Dichloroethane	10.0	11.8	118	68 - 124	
Trichloroethene	10.0	9.85	99	58 - 125	
1,2-Dichloropropane	10.0	11.4	114	69 - 122	
Bromodichloromethane	10.0	11.2	112	67 - 118	
methyl isobutyl ketone	10.0	10.4	104	61 - 140	
Toluene	10.0	10.3	103	70 - 116	
1,1,2-Trichloroethane	10.0	10.8	108	70 - 119	
Tetrachloroethene	10.0	9.08	91	62 - 118	
Dibromochloromethane	10.0	10.5	105	65 - 114	
Chlorobenzene	10.0	9.92	99	71 - 114	
Ethylbenzene	10.0	9.83	98	71 - 115	
Styrene	10.0	8.67	87	69 - 112	
Bromoform	10.0	9.53	95	63 - 115	
1,1,2,2-Tetrachloroethane	10.0	11.2	112	66 - 129	
cis-1,2-Dichloroethene	10.0	10.5	105	65 - 120	
trans-1,2-Dichloroethene	10.0	9.66	97	57 - 129	
Xylenes, Total	30.0	29.5	98	66 - 118	
cis-1,3-Dichloropropene	10.0	10.9	109	60 - 122	
trans-1,3-Dichloropropene	10.0	11.7	117	55 - 126	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	53 - 125
4-Bromofluorobenzene	108	73 - 127
Dibromofluoromethane	94	54 - 137
Toluene-d8 (Surr)	95	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18464-1

Method Blank - Batch: 220-19766

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-19766/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/08/2008 1412
Date Prepared: 09/08/2008 1412

Analysis Batch: 220-19766
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8617.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloromethane	ND		5.0
Vinyl chloride	ND		5.0
Bromomethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Carbon disulfide	ND		5.0
Acetone	ND		10
Methylene Chloride	ND		5.0
1,1-Dichloroethane	ND		5.0
Methyl Ethyl Ketone	ND		10
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Bromodichloromethane	ND		5.0
methyl isobutyl ketone	ND		10
Toluene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Dibromochloromethane	ND		5.0
Chlorobenzene	ND		5.0
Ethylbenzene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
Acrylonitrile	ND		10
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dibromoethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methyl tert-butyl ether	ND		5.0
Isopropylbenzene	ND		5.0

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

Client: Tighe & Bond

Job Number: 360-18464-1

Method Blank - Batch: 220-19766

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-19766/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/08/2008 1412
Date Prepared: 09/08/2008 1412

Analysis Batch: 220-19766
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8617.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
N-Propylbenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
trans-1,4-Dichloro-2-butene	ND		10
Acrolein	ND		25
Acetonitrile	ND		50
1,3-Dichloropropane	ND		5.0
Xylenes, Total	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,2-Dichloroethene, Total	ND		5.0
m&p-Xylene	ND		5.0
o-Xylene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Tetrahydrofuran	ND		10
Dichlorodifluoromethane	ND		5.0
Chloroethane	ND		5.0
Dibromomethane	ND		5.0
1,1-Dichloropropene	ND		5.0
Naphthalene	ND		5.0
Bromobenzene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
2-Hexanone	ND		10
2,2-Dichloropropane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
Hexachlorobutadiene	ND		5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	53 - 125
4-Bromofluorobenzene	113	73 - 127
Dibromofluoromethane	93	54 - 137
Toluene-d8 (Surr)	89	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18464-1

Lab Control Spike - Batch: 220-19766

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-19766/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/08/2008 1318
Date Prepared: 09/08/2008 1318

Analysis Batch: 220-19766
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8615.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	10.0	6.96	70	43 - 134	
Vinyl chloride	10.0	6.15	62	51 - 139	
Bromomethane	10.0	6.60	66	27 - 171	
1,1-Dichloroethene	10.0	7.05	70	57 - 137	
Carbon disulfide	10.0	7.26	73	44 - 142	
Acetone	10.0	12.3	123	18 - 263	
Methylene Chloride	10.0	9.93	99	61 - 129	
1,1-Dichloroethane	10.0	10.3	103	67 - 121	
Methyl Ethyl Ketone	10.0	11.3	113	30 - 222	
Chloroform	10.0	11.0	110	70 - 124	
1,1,1-Trichloroethane	10.0	9.25	93	60 - 128	
Carbon tetrachloride	10.0	7.54	75	56 - 131	
Benzene	10.0	9.07	91	68 - 126	
1,2-Dichloroethane	10.0	12.6	126	68 - 124	*
Trichloroethene	10.0	7.28	73	58 - 125	
1,2-Dichloropropane	10.0	10.1	101	69 - 122	
Bromodichloromethane	10.0	10.8	108	67 - 118	
methyl isobutyl ketone	10.0	10.4	104	61 - 140	
Toluene	10.0	8.29	83	70 - 116	
1,1,2-Trichloroethane	10.0	10.3	103	70 - 119	
Tetrachloroethene	10.0	5.79	58	62 - 118	*
Dibromochloromethane	10.0	9.67	97	65 - 114	
Chlorobenzene	10.0	8.12	81	71 - 114	
Ethylbenzene	10.0	7.40	74	71 - 115	
Styrene	10.0	6.79	68	69 - 112	*
Bromoform	10.0	8.78	88	63 - 115	
1,1,2,2-Tetrachloroethane	10.0	10.6	106	66 - 129	
cis-1,2-Dichloroethene	10.0	8.83	88	65 - 120	
trans-1,2-Dichloroethene	10.0	7.99	80	57 - 129	
Xylenes, Total	30.0	22.2	74	66 - 118	
cis-1,3-Dichloropropene	10.0	9.21	92	60 - 122	
trans-1,3-Dichloropropene	10.0	11.0	110	55 - 126	
Tetrahydrofuran	20.0	23.2	116	70 - 130	
Dichlorodifluoromethane	10.0	5.14	51	70 - 130	*
Chloroethane	10.0	8.52	85	53 - 167	
Dibromomethane	10.0	10.1	101	70 - 130	
1,1-Dichloropropene	10.0	7.31	73	70 - 130	
Naphthalene	10.0	8.54	85	70 - 130	
Bromobenzene	10.0	7.87	79	70 - 130	
1,2,3-Trichlorobenzene	10.0	7.78	78	70 - 130	
2-Hexanone	10.0	ND	75	54 - 179	

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

Client: Tighe & Bond

Job Number: 360-18464-1

Lab Control Spike - Batch: 220-19766

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-19766/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/08/2008 1318
Date Prepared: 09/08/2008 1318

Analysis Batch: 220-19766
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8615.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,2-Dichloropropane	10.0	9.75	97	70 - 130	
1,2,3-Trichloropropane	10.0	10.2	102	70 - 130	
Hexachlorobutadiene	10.0	7.22	72	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	53 - 125
4-Bromofluorobenzene	104	73 - 127
Dibromofluoromethane	93	54 - 137
Toluene-d8 (Surr)	90	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18464-1

Method Blank - Batch: 360-35872

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 360-35872/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2008 1508
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39972.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	RL
Acetone	ND		12000
Acrylonitrile	ND		120
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		250
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	2100		1200
Isopropylbenzene	ND		120
4-Isopropyltoluene	ND		120

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

Client: Tighe & Bond

Job Number: 360-18464-1

Method Blank - Batch: 360-35872

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 360-35872/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2008 1508
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39972.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	RL
Methylene Chloride	ND		500
4-Methyl-2-pentanone (MIBK)	1400		1200
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	107	70 - 130
Dibromofluoromethane	92	70 - 130
Toluene-d8 (Surr)	99	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18464-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35872

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-35872/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2008 1356
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39969.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-35872/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2008 1420
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39970.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	86	88	70 - 130	2	25		
Acrylonitrile	94	97	70 - 130	4	25		
Benzene	93	92	70 - 130	1	25		
Bromobenzene	87	87	70 - 130	0	25		
n-Butylbenzene	100	98	70 - 130	1	25		
sec-Butylbenzene	92	92	70 - 130	0	25		
tert-Butylbenzene	88	88	70 - 130	0	25		
Dichlorobromomethane	86	88	70 - 130	2	25		
Bromoform	84	85	70 - 130	1	25		
Bromomethane	111	108	70 - 130	3	25		
2-Butanone (MEK)	98	102	70 - 130	5	25		
Carbon disulfide	97	92	70 - 130	6	25		
Carbon tetrachloride	81	78	70 - 130	4	25		
Chlorobenzene	91	91	70 - 130	0	25		
Chloroethane	88	84	70 - 130	5	25		
Chloroform	86	85	70 - 130	1	25		
Chloromethane	104	107	70 - 130	2	25		
2-Chlorotoluene	92	93	70 - 130	1	25		
4-Chlorotoluene	92	93	70 - 130	1	25		
Chlorodibromomethane	77	77	70 - 130	1	25		
1,2-Dibromo-3-Chloropropane	81	85	70 - 130	5	25		
Dibromomethane	84	84	70 - 130	1	25		
1,2-Dichlorobenzene	86	87	70 - 130	0	25		
1,3-Dichlorobenzene	86	88	70 - 130	2	25		
1,4-Dichlorobenzene	90	89	70 - 130	1	25		
Dichlorodifluoromethane	101	99	70 - 130	2	25		
1,1-Dichloroethene	84	80	70 - 130	5	25		
1,1-Dichloroethane	93	93	70 - 130	1	25		
1,2-Dichloroethane	80	82	70 - 130	2	25		
cis-1,2-Dichloroethene	90	90	70 - 130	0	25		
1,2-Dichloropropane	98	99	70 - 130	1	25		
1,3-Dichloropropane	91	92	70 - 130	1	25		

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

Client: Tighe & Bond

Job Number: 360-18464-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35872

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-35872/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2008 1356
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39969.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-35872/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2008 1420
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39970.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,2-Dichloropropane	84	82	70 - 130	2	25		
1,1-Dichloropropene	93	91	70 - 130	2	25		
cis-1,3-Dichloropropene	92	92	70 - 130	0	25		
trans-1,3-Dichloropropene	89	90	70 - 130	1	25		
Ethylbenzene	95	94	70 - 130	1	25		
Hexachlorobutadiene	92	89	70 - 130	3	25		
2-Hexanone	108	110	70 - 130	2	25		
Isopropylbenzene	91	90	70 - 130	1	25		
4-Isopropyltoluene	91	91	70 - 130	0	25		
Methylene Chloride	93	92	70 - 130	1	25		
4-Methyl-2-pentanone (MIBK)	104	107	70 - 130	3	25		
Methyl tert-butyl ether	86	88	70 - 130	2	25		
Naphthalene	87	90	70 - 130	4	25		
N-Propylbenzene	98	97	70 - 130	0	25		
Styrene	90	90	70 - 130	0	25		
1,1,1,2-Tetrachloroethane	85	86	70 - 130	1	25		
1,1,2,2-Tetrachloroethane	90	94	70 - 130	4	25		
Tetrachloroethene	92	89	70 - 130	3	25		
Tetrahydrofuran	97	100	70 - 130	3	25		
Toluene	93	91	70 - 130	2	25		
1,2,3-Trichlorobenzene	92	92	70 - 130	0	25		
1,2,4-Trichlorobenzene	93	93	70 - 130	0	25		
1,1,1-Trichloroethane	85	83	70 - 130	1	25		
1,1,2-Trichloroethane	87	88	70 - 130	0	25		
Trichloroethene	85	85	70 - 130	1	25		
Trichlorofluoromethane	77	75	70 - 130	4	25		
1,2,3-Trichloropropane	91	92	70 - 130	1	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	93	89	70 - 130	5	25		
1,2,4-Trimethylbenzene	90	90	70 - 130	1	25		
1,3,5-Trimethylbenzene	91	91	70 - 130	0	25		
Vinyl chloride	122	119	70 - 130	3	25		
Ethylene Dibromide	87	88	70 - 130	1	25		

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

Client: Tighe & Bond

Job Number: 360-18464-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35872

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-35872/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2008 1356
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39969.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-35872/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2008 1420
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39970.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
trans-1,4-Dichloro-2-butene	81	87	70 - 130	7	25		
trans-1,2-Dichloroethene	92	91	70 - 130	1	25		
m-Xylene & p-Xylene	95	94	70 - 130	1	25		
o-Xylene	92	92	70 - 130	0	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	100	101	70 - 130
Dibromofluoromethane	91	92	70 - 130
Toluene-d8 (Surr)	102	100	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18464-1

Method Blank - Batch: 360-35923

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 360-35923/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1121
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39997.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Acetone	ND		250
Acrylonitrile	ND		2.5
Benzene	ND		2.5
Bromobenzene	ND		2.5
n-Butylbenzene	ND		2.5
sec-Butylbenzene	ND		2.5
tert-Butylbenzene	ND		2.5
Dichlorobromomethane	ND		2.5
Bromoform	ND		2.5
Bromomethane	ND		5.0
2-Butanone (MEK)	ND		25
Carbon disulfide	ND		2.5
Carbon tetrachloride	ND		2.5
Chlorobenzene	ND		2.5
Chloroethane	ND		5.0
Chloroform	ND		2.5
Chloromethane	ND		5.0
2-Chlorotoluene	ND		2.5
4-Chlorotoluene	ND		2.5
Chlorodibromomethane	ND		2.5
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		2.5
1,2-Dichlorobenzene	ND		2.5
1,3-Dichlorobenzene	ND		2.5
1,4-Dichlorobenzene	ND		2.5
Dichlorodifluoromethane	ND		5.0
1,1-Dichloroethene	ND		2.5
1,1-Dichloroethane	ND		2.5
1,2-Dichloroethane	ND		2.5
cis-1,2-Dichloroethene	ND		2.5
1,2-Dichloropropane	ND		2.5
1,3-Dichloropropane	ND		2.5
2,2-Dichloropropane	ND		2.5
1,1-Dichloropropene	ND		2.5
cis-1,3-Dichloropropene	ND		2.5
trans-1,3-Dichloropropene	ND		2.5
Ethylbenzene	ND		2.5
Hexachlorobutadiene	ND		2.5
2-Hexanone	52		25
Isopropylbenzene	ND		2.5
4-Isopropyltoluene	ND		2.5

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

Client: Tighe & Bond

Job Number: 360-18464-1

Method Blank - Batch: 360-35923

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 360-35923/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1121
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39997.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	35		25
Methyl tert-butyl ether	ND		2.5
Naphthalene	ND		25
N-Propylbenzene	ND		2.5
Styrene	ND		2.5
1,1,1,2-Tetrachloroethane	ND		2.5
1,1,2,2-Tetrachloroethane	ND		2.5
Tetrachloroethene	ND		2.5
Tetrahydrofuran	ND		25
Toluene	ND		2.5
1,2,3-Trichlorobenzene	ND		2.5
1,2,4-Trichlorobenzene	ND		2.5
1,1,1-Trichloroethane	ND		2.5
1,1,2-Trichloroethane	ND		2.5
Trichloroethene	ND		2.5
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12
1,2,4-Trimethylbenzene	ND		2.5
1,3,5-Trimethylbenzene	ND		2.5
Vinyl chloride	ND		2.5
Ethylene Dibromide	ND		2.5
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		2.5
m-Xylene & p-Xylene	ND		5.0
o-Xylene	ND		2.5

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	106	70 - 130
Dibromofluoromethane	90	70 - 130
Toluene-d8 (Surr)	99	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18464-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35923

Method: 8260B
Preparation: N/A

LCS Lab Sample ID: LCS 360-35923/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1009
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39994.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 360-35923/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1033
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39995.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	107	86	70 - 130	22	25		
Acrylonitrile	93	95	70 - 130	2	25		
Benzene	97	90	70 - 130	8	25		
Bromobenzene	91	81	70 - 130	12	25		
n-Butylbenzene	106	97	70 - 130	8	25		
sec-Butylbenzene	98	88	70 - 130	11	25		
tert-Butylbenzene	92	83	70 - 130	10	25		
Dichlorobromomethane	93	86	70 - 130	8	25		
Bromoform	91	83	70 - 130	9	25		
Bromomethane	126	122	70 - 130	4	25		
2-Butanone (MEK)	115	93	70 - 130	22	25		
Carbon disulfide	109	100	70 - 130	8	25		
Carbon tetrachloride	83	75	70 - 130	10	25		
Chlorobenzene	97	89	70 - 130	8	25		
Chloroethane	117	110	70 - 130	6	25		
Chloroform	91	84	70 - 130	7	25		
Chloromethane	110	106	70 - 130	4	25		
2-Chlorotoluene	100	90	70 - 130	10	25		
4-Chlorotoluene	101	89	70 - 130	12	25		
Chlorodibromomethane	79	74	70 - 130	7	25		
1,2-Dibromo-3-Chloropropane	88	81	70 - 130	8	25		
Dibromomethane	92	84	70 - 130	9	25		
1,2-Dichlorobenzene	90	82	70 - 130	9	25		
1,3-Dichlorobenzene	91	80	70 - 130	13	25		
1,4-Dichlorobenzene	92	84	70 - 130	9	25		
Dichlorodifluoromethane	107	101	70 - 130	5	25		
1,1-Dichloroethene	93	85	70 - 130	10	25		
1,1-Dichloroethane	99	91	70 - 130	8	25		
1,2-Dichloroethane	89	80	70 - 130	10	25		
cis-1,2-Dichloroethene	95	88	70 - 130	8	25		
1,2-Dichloropropane	105	97	70 - 130	8	25		
1,3-Dichloropropane	99	92	70 - 130	7	25		

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

Client: Tighe & Bond

Job Number: 360-18464-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35923

Method: 8260B
Preparation: N/A

LCS Lab Sample ID: LCS 360-35923/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1009
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39994.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 360-35923/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1033
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39995.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,2-Dichloropropane	90	81	70 - 130	11	25		
1,1-Dichloropropene	98	90	70 - 130	8	25		
cis-1,3-Dichloropropene	100	94	70 - 130	6	25		
trans-1,3-Dichloropropene	96	90	70 - 130	7	25		
Ethylbenzene	102	94	70 - 130	7	25		
Hexachlorobutadiene	95	86	70 - 130	10	25		
2-Hexanone	124	103	70 - 130	18	25		
Isopropylbenzene	96	87	70 - 130	10	25		
4-Isopropyltoluene	96	85	70 - 130	12	25		
Methylene Chloride	89	81	70 - 130	9	25		
4-Methyl-2-pentanone (MIBK)	118	99	70 - 130	17	25		
Methyl tert-butyl ether	96	85	70 - 130	12	25		
Naphthalene	89	79	70 - 130	13	25		
N-Propylbenzene	106	96	70 - 130	9	25		
Styrene	96	89	70 - 130	8	25		
1,1,1,2-Tetrachloroethane	90	81	70 - 130	11	25		
1,1,2,2-Tetrachloroethane	103	93	70 - 130	10	25		
Tetrachloroethene	93	87	70 - 130	6	25		
Tetrahydrofuran	106	95	70 - 130	12	25		
Toluene	97	90	70 - 130	7	25		
1,2,3-Trichlorobenzene	94	84	70 - 130	11	25		
1,2,4-Trichlorobenzene	95	85	70 - 130	11	25		
1,1,1-Trichloroethane	89	81	70 - 130	9	25		
1,1,2-Trichloroethane	92	85	70 - 130	8	25		
Trichloroethene	84	78	70 - 130	8	25		
Trichlorofluoromethane	81	78	70 - 130	3	25		
1,2,3-Trichloropropane	98	88	70 - 130	11	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	89	93	70 - 130	4	25		
1,2,4-Trimethylbenzene	95	85	70 - 130	12	25		
1,3,5-Trimethylbenzene	96	86	70 - 130	11	25		
Vinyl chloride	123	118	70 - 130	3	25		
Ethylene Dibromide	92	85	70 - 130	8	25		

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

Client: Tighe & Bond

Job Number: 360-18464-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35923

Method: 8260B
Preparation: N/A

LCS Lab Sample ID: LCS 360-35923/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1009
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39994.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 360-35923/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1033
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39995.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
trans-1,4-Dichloro-2-butene	85	82	70 - 130	3	25		
trans-1,2-Dichloroethene	97	91	70 - 130	7	25		
m-Xylene & p-Xylene	103	95	70 - 130	8	25		
o-Xylene	100	91	70 - 130	9	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	105	102	70 - 130
Dibromofluoromethane	90	90	70 - 130
Toluene-d8 (Surr)	101	101	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18464-1

Method Blank - Batch: 360-35932

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 360-35932/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 2151
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40023.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	RL
Acetone	ND		250
Acrylonitrile	ND		2.5
Benzene	ND		2.5
Bromobenzene	ND		2.5
n-Butylbenzene	ND		2.5
sec-Butylbenzene	ND		2.5
tert-Butylbenzene	ND		2.5
Dichlorobromomethane	ND		2.5
Bromoform	ND		2.5
Bromomethane	ND		5.0
2-Butanone (MEK)	ND		25
Carbon disulfide	ND		2.5
Carbon tetrachloride	ND		2.5
Chlorobenzene	ND		2.5
Chloroethane	ND		5.0
Chloroform	ND		2.5
Chloromethane	ND		5.0
2-Chlorotoluene	ND		2.5
4-Chlorotoluene	ND		2.5
Chlorodibromomethane	ND		2.5
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		2.5
1,2-Dichlorobenzene	ND		2.5
1,3-Dichlorobenzene	ND		2.5
1,4-Dichlorobenzene	ND		2.5
Dichlorodifluoromethane	ND		5.0
1,1-Dichloroethene	ND		2.5
1,1-Dichloroethane	ND		2.5
1,2-Dichloroethane	ND		2.5
cis-1,2-Dichloroethene	ND		2.5
1,2-Dichloropropane	ND		2.5
1,3-Dichloropropane	ND		2.5
2,2-Dichloropropane	ND		2.5
1,1-Dichloropropene	ND		2.5
cis-1,3-Dichloropropene	ND		2.5
trans-1,3-Dichloropropene	ND		2.5
Ethylbenzene	ND		2.5
Hexachlorobutadiene	ND		2.5
2-Hexanone	56		25
Isopropylbenzene	ND		2.5
4-Isopropyltoluene	ND		2.5

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

Client: Tighe & Bond

Job Number: 360-18464-1

Method Blank - Batch: 360-35932

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 360-35932/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 2151
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40023.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	RL
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	36		25
Methyl tert-butyl ether	ND		2.5
Naphthalene	ND		25
N-Propylbenzene	ND		2.5
Styrene	ND		2.5
1,1,1,2-Tetrachloroethane	ND		2.5
1,1,2,2-Tetrachloroethane	ND		2.5
Tetrachloroethene	ND		2.5
Tetrahydrofuran	ND		25
Toluene	ND		2.5
1,2,3-Trichlorobenzene	ND		2.5
1,2,4-Trichlorobenzene	ND		2.5
1,1,1-Trichloroethane	ND		2.5
1,1,2-Trichloroethane	ND		2.5
Trichloroethene	ND		2.5
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12
1,2,4-Trimethylbenzene	ND		2.5
1,3,5-Trimethylbenzene	ND		2.5
Vinyl chloride	ND		2.5
Ethylene Dibromide	ND		2.5
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		2.5
m-Xylene & p-Xylene	ND		5.0
o-Xylene	ND		2.5

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	114	70 - 130
Dibromofluoromethane	89	70 - 130
Toluene-d8 (Surr)	99	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18464-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35932

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-35932/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 2039
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40020.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-35932/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 2103
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40021.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	174	160	70 - 130	8	25	*	*
Acrylonitrile	100	96	70 - 130	4	25		
Benzene	103	103	70 - 130	1	25		
Bromobenzene	93	92	70 - 130	1	25		
n-Butylbenzene	111	112	70 - 130	1	25		
sec-Butylbenzene	103	102	70 - 130	2	25		
tert-Butylbenzene	95	94	70 - 130	1	25		
Dichlorobromomethane	97	96	70 - 130	2	25		
Bromoform	90	89	70 - 130	1	25		
Bromomethane	114	113	70 - 130	1	25		
2-Butanone (MEK)	138	130	70 - 130	6	25	*	
Carbon disulfide	108	107	70 - 130	1	25		
Carbon tetrachloride	81	80	70 - 130	1	25		
Chlorobenzene	102	101	70 - 130	0	25		
Chloroethane	107	107	70 - 130	1	25		
Chloroform	94	93	70 - 130	1	25		
Chloromethane	106	105	70 - 130	1	25		
2-Chlorotoluene	109	107	70 - 130	2	25		
4-Chlorotoluene	107	105	70 - 130	2	25		
Chlorodibromomethane	77	76	70 - 130	1	25		
1,2-Dibromo-3-Chloropropane	96	91	70 - 130	5	25		
Dibromomethane	95	92	70 - 130	3	25		
1,2-Dichlorobenzene	92	91	70 - 130	1	25		
1,3-Dichlorobenzene	92	90	70 - 130	3	25		
1,4-Dichlorobenzene	91	91	70 - 130	0	25		
Dichlorodifluoromethane	85	85	70 - 130	1	25		
1,1-Dichloroethene	100	99	70 - 130	1	25		
1,1-Dichloroethane	103	101	70 - 130	1	25		
1,2-Dichloroethane	94	91	70 - 130	4	25		
cis-1,2-Dichloroethene	100	99	70 - 130	1	25		
1,2-Dichloropropane	111	108	70 - 130	2	25		
1,3-Dichloropropane	106	102	70 - 130	3	25		

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

Client: Tighe & Bond

Job Number: 360-18464-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35932

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-35932/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 2039
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40020.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-35932/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 2103
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40021.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,2-Dichloropropane	89	87	70 - 130	2	25		
1,1-Dichloropropene	100	100	70 - 130	1	25		
cis-1,3-Dichloropropene	106	104	70 - 130	2	25		
trans-1,3-Dichloropropene	102	100	70 - 130	2	25		
Ethylbenzene	112	110	70 - 130	2	25		
Hexachlorobutadiene	104	106	70 - 130	1	25		
2-Hexanone	133	129	70 - 130	3	25	*	
Isopropylbenzene	105	104	70 - 130	1	25		
4-Isopropyltoluene	95	94	70 - 130	1	25		
Methylene Chloride	100	99	70 - 130	1	25		
4-Methyl-2-pentanone (MIBK)	110	108	70 - 130	2	25		
Methyl tert-butyl ether	98	93	70 - 130	4	25		
Naphthalene	92	90	70 - 130	1	25		
N-Propylbenzene	111	111	70 - 130	0	25		
Styrene	105	103	70 - 130	1	25		
1,1,1,2-Tetrachloroethane	89	87	70 - 130	1	25		
1,1,2,2-Tetrachloroethane	103	103	70 - 130	0	25		
Tetrachloroethene	90	89	70 - 130	1	25		
Tetrahydrofuran	103	101	70 - 130	2	25		
Toluene	103	102	70 - 130	1	25		
1,2,3-Trichlorobenzene	101	102	70 - 130	1	25		
1,2,4-Trichlorobenzene	101	101	70 - 130	0	25		
1,1,1-Trichloroethane	88	87	70 - 130	1	25		
1,1,2-Trichloroethane	95	94	70 - 130	1	25		
Trichloroethene	81	81	70 - 130	0	25		
Trichlorofluoromethane	84	84	70 - 130	0	25		
1,2,3-Trichloropropane	93	89	70 - 130	4	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	91	92	70 - 130	0	25		
1,2,4-Trimethylbenzene	102	100	70 - 130	2	25		
1,3,5-Trimethylbenzene	103	100	70 - 130	2	25		
Vinyl chloride	108	108	70 - 130	0	25		
Ethylene Dibromide	92	91	70 - 130	1	25		

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

Client: Tighe & Bond

Job Number: 360-18464-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35932

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-35932/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 2039
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40020.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-35932/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 2103
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40021.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
trans-1,4-Dichloro-2-butene	91	85	70 - 130	6	25		
trans-1,2-Dichloroethene	101	100	70 - 130	1	25		
m-Xylene & p-Xylene	111	110	70 - 130	1	25		
o-Xylene	109	108	70 - 130	0	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	109	107	70 - 130
Dibromofluoromethane	88	87	70 - 130
Toluene-d8 (Surr)	103	102	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18464-1

Method Blank - Batch: 360-35898

Method: 8082
Preparation: 3546

Lab Sample ID: MB 360-35898/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2008 1209
Date Prepared: 09/05/2008 1535

Analysis Batch: 360-35969
Prep Batch: 360-35898
Units: ug/Kg

Instrument ID: 5890II GC w/ dual ECDs
Lab File ID: H2861.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 1.0 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	100	30 - 150
Tetrachloro-m-xylene	103	30 - 150

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

Client: Tighe & Bond

Job Number: 360-18464-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35898

Method: 8082
Preparation: 3546

LCS Lab Sample ID: LCS 360-35898/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2008 1230
Date Prepared: 09/05/2008 1535

Analysis Batch: 360-35969
Prep Batch: 360-35898
Units: ug/Kg

Instrument ID: 5890II GC w/ dual ECDs
Lab File ID: H2862.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 360-35898/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2008 1251
Date Prepared: 09/05/2008 1535

Analysis Batch: 360-35969
Prep Batch: 360-35898
Units: ug/Kg

Instrument ID: 5890II GC w/ dual ECDs
Lab File ID: H2863.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	105	107	40 - 140	2	30		
PCB-1260	124	122	40 - 140	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	108	107	30 - 150
Tetrachloro-m-xylene	114	114	30 - 150

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

Client: Tighe & Bond

Job Number: 360-18464-1

Method Blank - Batch: 360-35785

Method: CT ETPH
Preparation: 3546

Lab Sample ID: MB 360-35785/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1817
Date Prepared: 09/03/2008 1410

Analysis Batch: 360-35820
Prep Batch: 360-35785
Units: mg/Kg

Instrument ID: HP 5890II GC w/ dual FIDs
Lab File ID: F11557.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	RL
C9-C36	ND		3.3

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

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35785

Method: CT ETPH
Preparation: 3546

LCS Lab Sample ID: LCS 360-35785/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1848
Date Prepared: 09/03/2008 1410

Analysis Batch: 360-35820
Prep Batch: 360-35785
Units: mg/Kg

Instrument ID: HP 5890II GC w/ dual FIDs
Lab File ID: F11558.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 360-35785/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1920
Date Prepared: 09/03/2008 1410

Analysis Batch: 360-35820
Prep Batch: 360-35785
Units: mg/Kg

Instrument ID: HP 5890II GC w/ dual FID
Lab File ID: F11559.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
C9-C36	75	74	60 - 120	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	66	64	50 - 150

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

Client: Tighe & Bond

Job Number: 360-18464-1

Method Blank - Batch: 360-35722

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 360-35722/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/02/2008 1505
Date Prepared: 09/02/2008 0724

Analysis Batch: 360-35753
Prep Batch: 360-35722
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 2.0 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL
Copper	ND		1.0
Lead	ND		0.50
Zinc	ND		2.5
Antimony	ND		0.50

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35722

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID: LCS 360-35722/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/02/2008 1508
Date Prepared: 09/02/2008 0724

Analysis Batch: 360-35753
Prep Batch: 360-35722
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 2.0 g
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 360-35722/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/02/2008 1511
Date Prepared: 09/02/2008 0724

Analysis Batch: 360-35753
Prep Batch: 360-35722
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 2.0 g
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Copper	95	94	80 - 120	1	30		
Lead	93	92	80 - 120	2	30		
Zinc	93	92	80 - 120	1	30		
Antimony	101	92	80 - 120	10	30		

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

Quality Control Results

Client: Tighe & Bond

Job Number: 360-18464-1

Duplicate - Batch: 360-35758

Method: PercentMoisture
Preparation: N/A

Lab Sample ID: 360-18464-11
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 0902
Date Prepared: N/A

Analysis Batch: 360-35758
Prep Batch: N/A
Units: %

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	11	9.7	9	20	
Percent Solids	89	90	1	20	

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

CTETPH - MASS DISCRIMINATION CHECK

Job #: **360-18464**
Analyst: **MZ/KR**
Date: **9/3/2008 5:14**
Sample Name: **C9-C36 2100 PPM**

Name	Target Response	Response factor	% DIFF (+- 20%)	Mass Discrimination from C9 (<10%)
C9	5359344.378	35728.96252	***7.3***	
C10	5379350.073	35862.33382	***7.7***	**-0.4**
C12	5426815.3	36178.76867	***8.7***	**-1.3**
C14	5401067.657	36007.11772	***8.1***	**-0.8**
C16	5426108.055	36174.0537	***8.6***	**-1.2**
C18	5465903.042	36439.35361	***9.4***	**-2.0**
C19	5404280.483	36028.53655	***8.2***	**-0.8**
C20	4087159.192	27247.72794	***-18.2***	**26.9**
C22	4047744.163	26984.96109	***-19.0***	**27.9**
C24	4476369.669	29842.46446	***-10.4***	**18.0**
C26	4899673.57	32664.49047	***-1.9***	**9.0**
C28	4886748.857	32578.32571	***-2.2***	**9.2**
C30	5093073.364	33953.82243	***2.0***	**5.1**
C36	4570881.85	30472.54567	***-8.5***	**15.9**
	Average:	33297.39031		

NOTE: Mass Discrimination cannot exceed 50% difference (20% is the target).

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

TA CT

Chain of Custody Record

TestAmerica
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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mason, Becky C	Carrier Tracking No(s):	COC No: 360-3198.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: becky.mason@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 360-18464-1
Address: 128 Long Hill Cross Road, ,	Due Date Requested: 9/10/2008			
City: Shelton	TAT Requested (days):			
State, Zip: CT, 06484				
Phone: 203-929-8140(Tel) 203-929-8142(Fax)	PO #:			
Email:	WO #:			
Project Name: T&B CT	Project #: 36000166			
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)	8260B/1312_Z 8260B CTRSR	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
R1-12 0-2' (360-18464-10)	8/28/08	10:53		Solid			X	1	Also received 1-25gr
R1-12 2-4' (360-18464-11)	8/28/08	11:05		Solid			X	1	encore each for
R1-13 0-2' (360-18464-13)	8/28/08	11:10		Solid			X	1	360-18464 # 7,8,9,12,
R1-13 2-4' (360-18464-14)	8/28/08	11:15		Solid			X	1	15,17,19,24,25 and 28
R1-14 0-2' (360-18464-16)	8/28/08	11:22		Solid			X	1	not listed on the COC.
R1-16 0-2' (360-18464-23)	8/28/08	12:42		Solid			X	1	(KB) 9/3/08
DUP 2 (360-18464-26)	8/28/08	12:42		Solid			X	1	
R1-17 0-2' (360-18464-27)	8/28/08	12:54		Solid			X	1	

KBC 9/2/08

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:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	9-2-08 1700	TAL			
Relinquished by:	Date/Time:	Company	Received by: KBlockin	Date/Time: 9/3/08 950	Company TA CT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | PASSED RAD SCREEN | Cooler Temperature(s) °C and Other Remarks: 1.8°C

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-18464-1

Login Number: 18464
Creator: Mason, Becky C
List Number: 1

List Source: TestAmerica Westfield

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	0.2 C / 2.4 C
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	
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.	False	Several samples do not have percent solid jars
Sample bottles are completely filled.	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	

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-18464-1

Login Number: 18464
Creator: Blocker, Kristina
List Number: 1

List Source: TestAmerica Connecticut
List Creation: 09/03/08 10:42 AM

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	
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	
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	
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
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Form

•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: ~~EAST~~ TIGHE + BOND
Address: 213 COURT ST.
MIDDLETOWN, CT
Phone: 860-704-4760 Fax:

Client Project #: 12-613620
Site ID & State: E. HAMPTON, CT
Reports Sent To: KARL WIKSTROM
Email: KRW@Arcmd.tyhebond.com Email Rpt: ☒

Job# 360-18464 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 _____ RUSH X 5-day (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.

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 / 4º C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity	Cu, Pb, Sb, Zn	SPLP Cu, Pb, Sb, Zn	Comments:
R1-1 0-2'	S	JW	8/28/08 9:45	X		1	G							X											X		
R1-1 2-4'	S	JW	8/28/08 9:53	X		1	G							X											X		~~Hold~~
R1-2 0-2'	S	JW	8/28/08 9:51	X		1	G							X											X		
R1-2 2-4'	S	JW	8/28/08 9:55	X		1	G							X											X		~~Hold~~
R1-3 0-2'	S	JW	8/28/08 10:00	X		1	G							X											X		
R1-4 0-2'	S	JW	8/28/08 10:15	X		1	G							X											X		
~~R1-5 0-2'~~	~~S~~	~~JW~~	~~8/28/08~~	~~X~~		~~1~~	~~G~~							~~X~~													
R1-11-0-2'	S	JW	8/28/08 10:40	X		4	G/P							X	X												
R1-11-2-4'	S	JW	8/28/08 10:45	X		3	P							X	X												
DUP-1	S	JW	8/28/08 10:45	X		4	G/P							X	X												

NO sample - MS

Sampled by (print): KARL WIKSTROM
Signature: [signature]

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	8/29/08	1015	[signature]	8/29/08	1015
[signature]	8/29/08	1130	[signature]	8/29/08	1130

Cooler? Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: 0.2 / 2.4 ºC
Preservation / pH checked? Y / N
By: _____ Date: _____

WESTFIELD

Page 1 of ____

White = Lab file Yellow = Report copy Pink = Customer copy

TAL-8245(1007)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Form

•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, MIDDLETOWN, CT
Phone: 860-704-4781 Fax:

Client Project #: 12-613620
Site ID & State: E.H
Reports Sent To: KRWikstrom
Email: RWikstrom@tighebond Email Rpt: ☒

Job# 360-18464 | 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 _____ 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.

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 / 4° C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity	SPLP VOCs			Comments
RI-12 0-2'	S	KW	8/28/08 10:53	X		4	G							X	X										X			WAIT TO RUN:
RI-12 2-4'	S	KW	8/28/08 11:07	X		3	P							X	X										X			~~Hold~~ 4-6' samples
RI-12 4-5'	S	KW	8/28/08 11:07	X		3	P							X	X													Hold 0-8'
RI-13 0-2'	S	KW	8/28/08 11:10	X		4	G							X	X										X	X		
RI-13 2-4'	S	KW	8/28/08 11:15	X		3	P							X	X										X			~~Hold~~
RI-13 4-6'	S	KW	8/28/08 11:20	X		3	P							X	X													Hold
RI-14 0-2'	S	KW	8/28/08 11:22	X		4	G							X	X										X			
RI-14 2-4'	S	KW	8/28/08 11:26	X		3	P							X	X													~~Hold~~
RI-14 4-6'	S	KW	8/28/08 11:31	X		2	P							X	X													Hold
RI-14 6-8'	S	KW	8/28/08 11:37	X		1	P																					Hold

Sampled by (print): KARL WIKSTROM
Signature:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	8/29/08	1015	[signature]	8/29/08	1015
[signature]	8/29/08	1130	[signature]	8/29/08	1130

Cooler? Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: 02 12.4 °C
Preservation / pH checked? Y / N
By: _____ Date: _____

WESTFIELD

Page 2 of ____

White = Lab file Yellow = Report copy Pink = Customer copy

TAL-8245(1007)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Form

•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
Client Project #: 12-613620
Job# 360-18464
Quote#
PO#
Address: 213 COURT ST
MIDDLETOWN
Site ID & State: E. HAMPTON, CT
Reports Sent To: KARL WIKSTROM
Shaded areas for office use
Invoice same as Report to? ☐
If Invoice contact or address different, note in *Comments*
Phone: 860-704-4781 Fax:
Email: KRWikstrom@tighebond.com Email Rpt: ☒

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 _____ RUSH ☒ 5-day *(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.

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)	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 / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity	SPLP VOC
R1-15 0-2'	S	KW	8/28/08 11:46	G		1	G							X			X		X						
R1-15 2-4'	S	KW	8/28/08 11:48	G		1	G							X			X		X						
R1-15 4-6'	S	KW	8/28/08 11:51	G		1	G							X											
R1-16 0-2'	S	KW	08/28/08 12:42	G		4	P							X	X									X	
R1-16 2-4'	S	KW	8/28/08 12:45	G		3	P							X	X										
R1-16 4-6'	S	KW	8/28/08 12:51	G		3	P							X											
DUP 2	S	KW	8/28/08 12:42	G		3	P							X	X									X	
R1-17 0-2'	S	KW	8/28/08 12:54	G		4	P							X	X		X							X	
R1-17 2-4'	S	KW	8/28/08 12:56	G		3	P							X											
R1-17 4-6'	S	KW	8/28/08 12:59	G		3	P							X											

Comments:

Sampled by (print): KARL WIKSTROM
Signature:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	8/29/08	1015	[signature]	8/29/08	1015
[signature]	8/29/08	1130	[signature]	8/29/08	1130

Cooler? Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: 0.2/2.4 °C
Preservation / pH checked? Y N
By: _____ Date: _____

WESTFIELD

White = Lab file Yellow = Report copy Pink = Customer copy

TAL-8245(1007)

ANALYTICAL REPORT

Job Number: 360-18467-1

Job Description: 12-613620

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

Attention: Mr. Karl Wikstrom

Approved for release.
Chris F Reynolds
QA Manager
1/20/2009 2:16 PM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
01/20/2009
Revision: 2

The test results in this report meet all NELAP requirements for accredited parameters. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, 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 DOH 10843.

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

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond, Inc**
Project Location:	**East Hampton, CT**	***Project Number:***	**360-18467-1**
Laboratory Sample ID (s):	**360-18467-1 (1-2,4,6,9,12-13,19-22,25-26,29-30)**	***Sampling Date (s):***	**8/28/08**
Method:	**SW846 8260**		

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: 1/20/09 14:15

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, Inc**
Project Location:	**East Hampton, CT**	***Project Number:***	**360-18467-1**
Laboratory Sample ID (s):	**360-18467-1 (1-2,4-5,6,9,12-13,15,17-18)**	***Sampling Date (s):***	**8/28/08**
Method:	**SW846 8082**		

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: 1/20/09 14:15

The certification form has been electronically signed and approved.

Updated Nov 2007

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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, Inc**
Project Location:	**East Hampton, CT**	***Project Number:***	**360-18467-1**
Laboratory Sample ID (s):	**360-18467-1 (12-13,16-18)**	***Sampling Date (s):***	**8/28/08**
Method:	**CTETPH**		

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: 1/20/09 14:15

The certification form has been electronically signed and approved.

Updated Nov 2007

CASE NARRATIVE

Client: Tighe & Bond, Inc.

Project: 12-613620

Report Number: 360-18467-1
Revision

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues as stipulated in the RCP reporting requirements.

In order to facilitate report review, a separate RCP Analytical Method Report Certification Form is included for each method requested.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy "RCP program" reporting limits in some cases if the "adjusted" RL is greater than the applicable RCP standards or criterion to which the concentration is being compared. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes which exceed the calibration range.

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.

The samples were received on 08/29/2008; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.4,2.4ºC.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C 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.

VOLATILE ORGANICS

Samples 360-18467-1, 360-18467-2, 360-18467-4, 360-18467-6, 360-18467-9, 360-18467-12, 360-18467-13, 360-18467-19 through 360-18467-22, 360-18467-25, 360-18467-26, 360-18467-29 and 360-18467-30 were analyzed for volatile organics in accordance with EPA SW846 Method 8260B. The samples were prepared on 09/04/2008 and analyzed on 09/05/2008, 09/06/2008 and 09/08/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved with the exception of:

2-Hexanone and 4-Methyl-2-pentanone (MIBK) were detected in the method blanks for batches 35932 and 35973 at levels exceeding the reporting limit. If the associated sample reported a result above the RL, the result has been "B" flagged. Refer to the QC report for details.

For batch 35932 the CCV recovered high for acetone and 2-Butanone (MEK).

2-Butanone (MEK), 2-Hexanone and Acetone failed the LCS recovery criteria high for batch 35932. 2-Hexanone failed the LCS recovery criteria high for batch 35973.

Several analytes exceeded the LCS rpd limit for batch 35973. Refer to the QC report for details.

General Comments:
Samples 360-18467-13(10X), 360-18467-19 and 360-18467-20(5X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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.

POLYCHLORINATED BIPHENYLS

Samples 360-18467-1, 360-18467-2, 360-18467-4 through 360-18467-6, 360-18467-9, 360-18467-12, 360-18467-13, 360-18467-15, 360-18467-17 and 360-18467-18 were analyzed for polychlorinated biphenyls in accordance with EPA SW846 Method 8082. The samples were prepared and analyzed on 09/03/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

General Comments:
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.

EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS

Samples 360-18467-12, 360-18467-13, 360-18467-15, 360-18467-17 and 360-18467-18 were analyzed for extractable total petroleum hydrocarbons in accordance with CT ETPH. The samples were prepared and analyzed on 09/03/2008 and 09/05/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved with the exception of:

o-Terphenyl failed the surrogate recovery criteria low for 360-18467-15. The sample was re-extracted with similar results. Refer to the QC report for details.

General Comments:
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.

SPLP VOLATILE ORGANICS

Samples 360-18467-1, 360-18467-4, 360-18467-9, 360-18467-12, 360-18467-13, 360-18467-21, 360-

18467-22, 360-18467-25, 360-18467-26 and 360-18467-30 were analyzed for SPLP Volatile Organics in accordance with EPA SW846 Method 1312/8260B. The samples were leached on 09/04/2008 and analyzed on 09/05/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved with the following exception.

2-Hexanone and 4-Methyl-2-pentanone (MIBK) were detected in method blank MB 360-35923/3 at levels exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

The laboratory control standard (LCS) for batch 19739 was outside CTRCP control limits for the following analytes: chloromethane, vinyl chloride, bromomethane, acetone,methyl ethyl ketone, chloroethane.

Method(s) 8260B: The initial calibration curve analyzed on instrument MSV on 9/4/08 was outside CTRCP acceptance criteria for the following compounds with the associated %RSD: bromomethane-17.4%, chloroethane-15.4%, methylene chloride-15.5%, hexachlorobutadiene-25.3%.

Method(s) 8260B: The continuing calibration verification (CCV) analyzed on instrument MSV on 9/5/08 recovered above the CTRCP upper control limit at the following %Ds: bromomethane-32.3%, acetonitrile-121%.

The following reported method is not listed by Connecticut Department of Environmental Protection (DEP) as a published method which has Reasonable Confidence Protocols (RCPs) QA/QC guidance. Instead, laboratory derived or non-RCP QA/QC guidelines were applied.

PERCENT SOLIDS

Samples 360-18467-1, 360-18467-2, 360-18467-4 through 360-18467-6, 360-18467-9, 360-18467-12, 360-18467-13, 360-18467-15, 360-18467-17 through 360-18467-22, 360-18467-25, 360-18467-26, 360-18467-29 and 360-18467-30 were analyzed for percent solids in accordance with EPA Method 160.3 Modified. The samples were analyzed on 09/03/2008.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

360-18467-20 - % solids derived from sample #19
360-18464-22 - % solids derived from sample #21
360-18464-26 - % solids derived from sample #25
360-18464-29 - % solids derived from sample #29
360-18464-30 - % solids derived from sample #29

This case narrative is available in Word format upon request.

REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: TestAmerica Connecticut ***Client:*** Tighe & Bond

Project Location: CT ***Project Number:*** 36000166

Laboratory Sample ID(s): 360-18467-1,4,9,12,13,21,22,25,26,30 ***Sampling Date(s):*** 08/28/08

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8260B-1312ZHE

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 CTDEP 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 or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	□Yes □ No ☒N/A
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 □ No □N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	□Yes ☑No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met? Please see laboratory case narrative for laboratory VOA GW exceedances	□Yes ☒ No □Yes ☒ No
6	For each analytical method referenced 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 an 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: JWidomski **Position:** Data Management

Printed Name: Joan Widomski **Date:** 9-17-08

Name of Laboratory TestAmerica Connecticut

This certification form is to be used for RCP methods only.

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 360-18467-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
SPLP Extraction	TAL CT		SW846 1312
Purge and Trap	TAL CT		SW846 5030B
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Closed System Purge and Trap	TAL WFD		SW846 5035
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL WFD	SW846 8082	
Microwave Extraction	TAL WFD		SW846 3546
Connecticut - Extractable Total petroleum Hydrocarbons (GC)	TAL WFD	STATE CT ETPH	
Microwave Extraction	TAL WFD		SW846 3546

Lab References:

TAL CT = TestAmerica Connecticut

TAL WFD = TestAmerica Westfield

Method References:

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: 360-18467-1

Method	Analyst	Analyst ID
SW846 8260B	Kostrzewska, Barbara	BK
SW846 8260B	Rouleau, Catherine M	CMR
SW846 8260B	Tester, Carla	CT
SW846 8082	Zuccala, Marissa	MZ
STATE CT ETPH	Rachtan, Karolina	KR
EPA PercentMoisture	Burton, Teresa F	TFB

SAMPLE SUMMARY

Client: Tighe & Bond

Job Number: 360-18467-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-18467-1	R1-18 0-2'	Solid	08/28/2008 1310	08/29/2008 1130
360-18467-2	R1-18 2-4'	Solid	08/28/2008 1314	08/29/2008 1130
360-18467-4	R1-19 0-2'	Solid	08/28/2008 1320	08/29/2008 1130
360-18467-5	DUP-3	Solid	08/28/2008 1326	08/29/2008 1130
360-18467-6	R1-19 2-4'	Solid	08/28/2008 1328	08/29/2008 1130
360-18467-9	R1-20 0-2'	Solid	08/28/2008 1339	08/29/2008 1130
360-18467-12	R1-21 0-2'	Solid	08/28/2008 1353	08/29/2008 1130
360-18467-13	R1-21 2-4'	Solid	08/28/2008 1355	08/29/2008 1130
360-18467-15	R1-22 0-2'	Solid	08/28/2008 1404	08/29/2008 1130
360-18467-17	R1-31 0-2'	Solid	08/28/2008 1419	08/29/2008 1130
360-18467-18	R1-31 2-4'	Solid	08/28/2008 1422	08/29/2008 1130
360-18467-19	R1-27 0-2'	Solid	08/28/2008 1435	08/29/2008 1130
360-18467-20	R1-27 2-4'	Solid	08/28/2008 1200	08/29/2008 1130
360-18467-21	R1-28 0-2'	Solid	08/28/2008 1441	08/29/2008 1130
360-18467-22	R1-28 2-4'	Solid	08/28/2008 1445	08/29/2008 1130
360-18467-25	R1-29 0-2'	Solid	08/28/2008 1459	08/29/2008 1130
360-18467-26	R1-29 2-4'	Solid	08/28/2008 1503	08/29/2008 1130
360-18467-29	R1-30 0-2'	Solid	08/28/2008 1518	08/29/2008 1130
360-18467-30	R1-30 2-4'	Solid	08/28/2008 1520	08/29/2008 1130

SAMPLE RESULTS

Client: Tighe & Bond | Job Number: 360-18467-1

Client Sample ID: **R1-18 0-2'**

Lab Sample ID:	360-18467-1			Date Sampled:	08/28/2008 1310
Client Matrix:	Solid	% Moisture:	12.4	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35924		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35932		Lab File ID:	V40027.D
Dilution:	1.0			Initial Weight/Volume:	1.90 g
Date Analyzed:	09/05/2008 2328			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1155				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND	*	750
Acrylonitrile		ND		7.5
Benzene		ND		7.5
Bromobenzene		ND		7.5
n-Butylbenzene		ND		7.5
sec-Butylbenzene		ND		7.5
tert-Butylbenzene		ND		7.5
Dichlorobromomethane		ND		7.5
Bromoform		ND		7.5
Bromomethane		ND		15
2-Butanone (MEK)		ND	*	75
Carbon disulfide		ND		7.5
Carbon tetrachloride		ND		7.5
Chlorobenzene		ND		7.5
Chloroethane		ND		15
Chloroform		ND		7.5
Chloromethane		ND		15
2-Chlorotoluene		ND		7.5
4-Chlorotoluene		ND		7.5
Chlorodibromomethane		ND		7.5
1,2-Dibromo-3-Chloropropane		ND		15
Dibromomethane		ND		7.5
1,2-Dichlorobenzene		ND		7.5
1,3-Dichlorobenzene		ND		7.5
1,4-Dichlorobenzene		ND		7.5
Dichlorodifluoromethane		ND		15
1,1-Dichloroethene		ND		7.5
1,1-Dichloroethane		ND		7.5
1,2-Dichloroethane		ND		7.5
cis-1,2-Dichloroethene		ND		7.5
1,2-Dichloropropane		ND		7.5
1,3-Dichloropropane		ND		7.5
2,2-Dichloropropane		ND		7.5
1,1-Dichloropropene		ND		7.5
cis-1,3-Dichloropropene		ND		7.5
trans-1,3-Dichloropropene		ND		7.5
Ethylbenzene		ND		7.5
Hexachlorobutadiene		ND		7.5
2-Hexanone		ND	*	75
Isopropylbenzene		ND		7.5
4-Isopropyltoluene		ND		7.5
Methylene Chloride		ND		30
4-Methyl-2-pentanone (MIBK)		ND		75
Methyl tert-butyl ether		ND		7.5

Analytical Data

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-18 0-2'

Lab Sample ID:	360-18467-1			Date Sampled:	08/28/2008 1310
Client Matrix:	Solid	% Moisture:	12.4	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35924		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35932		Lab File ID:	V40027.D
Dilution:	1.0			Initial Weight/Volume:	1.90 g
Date Analyzed:	09/05/2008 2328			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1155				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		75
N-Propylbenzene		ND		7.5
Styrene		ND		7.5
1,1,1,2-Tetrachloroethane		ND		7.5
1,1,2,2-Tetrachloroethane		ND		7.5
Tetrachloroethene		ND		7.5
Tetrahydrofuran		ND		75
Toluene		ND		7.5
1,2,3-Trichlorobenzene		ND		7.5
1,2,4-Trichlorobenzene		ND		7.5
1,1,1-Trichloroethane		ND		7.5
1,1,2-Trichloroethane		ND		7.5
Trichloroethene		790		7.5
Trichlorofluoromethane		ND		15
1,2,3-Trichloropropane		ND		7.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		38
1,2,4-Trimethylbenzene		ND		7.5
1,3,5-Trimethylbenzene		ND		7.5
Vinyl chloride		ND		7.5
Ethylene Dibromide		ND		7.5
trans-1,4-Dichloro-2-butene		ND		15
trans-1,2-Dichloroethene		ND		7.5
m-Xylene & p-Xylene		ND		15
o-Xylene		ND		7.5

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	70 - 130
Dibromofluoromethane	87	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-18 0-2'**

Lab Sample ID: 360-18467-1
Client Matrix: Solid

Date Sampled: 08/28/2008 1310
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1420
Date Prepared: 09/05/2008 1420
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7569.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		ND		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		7.6		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Analytical Data

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-18 0-2'

Lab Sample ID: 360-18467-1
Client Matrix: Solid

Date Sampled: 08/28/2008 1310
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1420
Date Prepared: 09/05/2008 1420
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7569.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	53 - 125
4-Bromofluorobenzene	85	73 - 127
Dibromofluoromethane	93	54 - 137
Toluene-d8 (Surr)	90	63 - 121

Analytical Data

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-18 2-4'

Lab Sample ID:	360-18467-2			Date Sampled:	08/28/2008 1314
Client Matrix:	Solid	% Moisture:	17.0	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V39998.D
Dilution:	1.0			Initial Weight/Volume:	3.14 g
Date Analyzed:	09/05/2008 1146			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		480
Acrylonitrile		ND		4.8
Benzene		ND		4.8
Bromobenzene		ND		4.8
n-Butylbenzene		ND		4.8
sec-Butylbenzene		ND		4.8
tert-Butylbenzene		ND		4.8
Dichlorobromomethane		ND		4.8
Bromoform		ND		4.8
Bromomethane		ND		9.6
2-Butanone (MEK)		ND		48
Carbon disulfide		ND		4.8
Carbon tetrachloride		ND		4.8
Chlorobenzene		ND		4.8
Chloroethane		ND		9.6
Chloroform		ND		4.8
Chloromethane		ND		9.6
2-Chlorotoluene		ND		4.8
4-Chlorotoluene		ND		4.8
Chlorodibromomethane		ND		4.8
1,2-Dibromo-3-Chloropropane		ND		9.6
Dibromomethane		ND		4.8
1,2-Dichlorobenzene		ND		4.8
1,3-Dichlorobenzene		ND		4.8
1,4-Dichlorobenzene		ND		4.8
Dichlorodifluoromethane		ND		9.6
1,1-Dichloroethene		ND		4.8
1,1-Dichloroethane		ND		4.8
1,2-Dichloroethane		ND		4.8
cis-1,2-Dichloroethene		ND		4.8
1,2-Dichloropropane		ND		4.8
1,3-Dichloropropane		ND		4.8
2,2-Dichloropropane		ND		4.8
1,1-Dichloropropene		ND		4.8
cis-1,3-Dichloropropene		ND		4.8
trans-1,3-Dichloropropene		ND		4.8
Ethylbenzene		ND		4.8
Hexachlorobutadiene		ND		4.8
2-Hexanone		ND		48
Isopropylbenzene		ND		4.8
4-Isopropyltoluene		ND		4.8
Methylene Chloride		ND		19
4-Methyl-2-pentanone (MIBK)		ND		48
Methyl tert-butyl ether		ND		4.8

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-18 2-4'

Lab Sample ID:	360-18467-2			Date Sampled:	08/28/2008 1314
Client Matrix:	Solid	% Moisture:	17.0	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V39998.D
Dilution:	1.0			Initial Weight/Volume:	3.14 g
Date Analyzed:	09/05/2008 1146			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		48
N-Propylbenzene		ND		4.8
Styrene		ND		4.8
1,1,1,2-Tetrachloroethane		ND		4.8
1,1,2,2-Tetrachloroethane		ND		4.8
Tetrachloroethene		ND		4.8
Tetrahydrofuran		ND		48
Toluene		ND		4.8
1,2,3-Trichlorobenzene		ND		4.8
1,2,4-Trichlorobenzene		ND		4.8
1,1,1-Trichloroethane		ND		4.8
1,1,2-Trichloroethane		ND		4.8
Trichloroethene		ND		4.8
Trichlorofluoromethane		ND		9.6
1,2,3-Trichloropropane		ND		4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		24
1,2,4-Trimethylbenzene		ND		4.8
1,3,5-Trimethylbenzene		ND		4.8
Vinyl chloride		ND		4.8
Ethylene Dibromide		ND		4.8
trans-1,4-Dichloro-2-butene		ND		9.6
trans-1,2-Dichloroethene		ND		4.8
m-Xylene & p-Xylene		ND		9.6
o-Xylene		ND		4.8

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	107	70 - 130
Dibromofluoromethane	92	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-19 0-2'**

Lab Sample ID: 360-18467-4
Client Matrix: Solid

Date Sampled: 08/28/2008 1320
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1446
Date Prepared: 09/05/2008 1446
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7570.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		ND		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		83		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-19 0-2'**

Lab Sample ID: 360-18467-4
Client Matrix: Solid

Date Sampled: 08/28/2008 1320
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1446
Date Prepared: 09/05/2008 1446
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7570.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	53 - 125
4-Bromofluorobenzene	86	73 - 127
Dibromofluoromethane	95	54 - 137
Toluene-d8 (Surr)	92	63 - 121

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-19 0-2'

Lab Sample ID: 360-18467-4
Client Matrix: Solid
% Moisture: 10.0
Date Sampled: 08/28/2008 1320
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/05/2008 1210
Date Prepared: 09/04/2008 1131

Analysis Batch: 360-35923
Prep Batch: 360-35929

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39999.D
Initial Weight/Volume: 2.52 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		550
Acrylonitrile		ND		5.5
Benzene		ND		5.5
Bromobenzene		ND		5.5
n-Butylbenzene		ND		5.5
sec-Butylbenzene		ND		5.5
tert-Butylbenzene		ND		5.5
Dichlorobromomethane		ND		5.5
Bromoform		ND		5.5
Bromomethane		ND		11
2-Butanone (MEK)		ND		55
Carbon disulfide		ND		5.5
Carbon tetrachloride		ND		5.5
Chlorobenzene		ND		5.5
Chloroethane		ND		11
Chloroform		ND		5.5
Chloromethane		ND		11
2-Chlorotoluene		ND		5.5
4-Chlorotoluene		ND		5.5
Chlorodibromomethane		ND		5.5
1,2-Dibromo-3-Chloropropane		ND		11
Dibromomethane		ND		5.5
1,2-Dichlorobenzene		ND		5.5
1,3-Dichlorobenzene		ND		5.5
1,4-Dichlorobenzene		ND		5.5
Dichlorodifluoromethane		ND		11
1,1-Dichloroethene		ND		5.5
1,1-Dichloroethane		ND		5.5
1,2-Dichloroethane		ND		5.5
cis-1,2-Dichloroethene		ND		5.5
1,2-Dichloropropane		ND		5.5
1,3-Dichloropropane		ND		5.5
2,2-Dichloropropane		ND		5.5
1,1-Dichloropropene		ND		5.5
cis-1,3-Dichloropropene		ND		5.5
trans-1,3-Dichloropropene		ND		5.5
Ethylbenzene		ND		5.5
Hexachlorobutadiene		ND		5.5
2-Hexanone		ND		55
Isopropylbenzene		ND		5.5
4-Isopropyltoluene		ND		5.5
Methylene Chloride		ND		22
4-Methyl-2-pentanone (MIBK)		ND		55
Methyl tert-butyl ether		ND		5.5

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-19 0-2'

Lab Sample ID:	360-18467-4			Date Sampled:	08/28/2008 1320
Client Matrix:	Solid	% Moisture:	10.0	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V39999.D
Dilution:	1.0			Initial Weight/Volume:	2.52 g
Date Analyzed:	09/05/2008 1210			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		55
N-Propylbenzene		ND		5.5
Styrene		ND		5.5
1,1,1,2-Tetrachloroethane		ND		5.5
1,1,2,2-Tetrachloroethane		ND		5.5
Tetrachloroethene		ND		5.5
Tetrahydrofuran		ND		55
Toluene		ND		5.5
1,2,3-Trichlorobenzene		ND		5.5
1,2,4-Trichlorobenzene		ND		5.5
1,1,1-Trichloroethane		ND		5.5
1,1,2-Trichloroethane		ND		5.5
Trichloroethene		900		5.5
Trichlorofluoromethane		ND		11
1,2,3-Trichloropropane		ND		5.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		28
1,2,4-Trimethylbenzene		ND		5.5
1,3,5-Trimethylbenzene		ND		5.5
Vinyl chloride		ND		5.5
Ethylene Dibromide		ND		5.5
trans-1,4-Dichloro-2-butene		ND		11
trans-1,2-Dichloroethene		ND		5.5
m-Xylene & p-Xylene		ND		11
o-Xylene		ND		5.5

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	100	70 - 130
Dibromofluoromethane	91	70 - 130
Toluene-d8 (Surr)	96	70 - 130

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-19 2-4'**

Lab Sample ID: 360-18467-6
Client Matrix: Solid
% Moisture: 18.6
Date Sampled: 08/28/2008 1328
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/05/2008 1234
Date Prepared: 09/04/2008 1131

Analysis Batch: 360-35923
Prep Batch: 360-35929

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40000.D
Initial Weight/Volume: 5.34 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		290
Acrylonitrile		ND		2.9
Benzene		ND		2.9
Bromobenzene		ND		2.9
n-Butylbenzene		ND		2.9
sec-Butylbenzene		ND		2.9
tert-Butylbenzene		ND		2.9
Dichlorobromomethane		ND		2.9
Bromoform		ND		2.9
Bromomethane		ND		5.7
2-Butanone (MEK)		ND		29
Carbon disulfide		ND		2.9
Carbon tetrachloride		ND		2.9
Chlorobenzene		ND		2.9
Chloroethane		ND		5.7
Chloroform		ND		2.9
Chloromethane		ND		5.7
2-Chlorotoluene		ND		2.9
4-Chlorotoluene		ND		2.9
Chlorodibromomethane		ND		2.9
1,2-Dibromo-3-Chloropropane		ND		5.7
Dibromomethane		ND		2.9
1,2-Dichlorobenzene		ND		2.9
1,3-Dichlorobenzene		ND		2.9
1,4-Dichlorobenzene		ND		2.9
Dichlorodifluoromethane		ND		5.7
1,1-Dichloroethene		ND		2.9
1,1-Dichloroethane		ND		2.9
1,2-Dichloroethane		ND		2.9
cis-1,2-Dichloroethene		ND		2.9
1,2-Dichloropropane		ND		2.9
1,3-Dichloropropane		ND		2.9
2,2-Dichloropropane		ND		2.9
1,1-Dichloropropene		ND		2.9
cis-1,3-Dichloropropene		ND		2.9
trans-1,3-Dichloropropene		ND		2.9
Ethylbenzene		ND		2.9
Hexachlorobutadiene		ND		2.9
2-Hexanone		ND		29
Isopropylbenzene		ND		2.9
4-Isopropyltoluene		ND		2.9
Methylene Chloride		ND		11
4-Methyl-2-pentanone (MIBK)		ND		29
Methyl tert-butyl ether		ND		2.9

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-19 2-4'

Lab Sample ID:	360-18467-6			Date Sampled:	08/28/2008 1328
Client Matrix:	Solid	% Moisture:	18.6	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40000.D
Dilution:	1.0			Initial Weight/Volume:	5.34 g
Date Analyzed:	09/05/2008 1234			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		29
N-Propylbenzene		ND		2.9
Styrene		ND		2.9
1,1,1,2-Tetrachloroethane		ND		2.9
1,1,2,2-Tetrachloroethane		ND		2.9
Tetrachloroethene		ND		2.9
Tetrahydrofuran		ND		29
Toluene		ND		2.9
1,2,3-Trichlorobenzene		ND		2.9
1,2,4-Trichlorobenzene		ND		2.9
1,1,1-Trichloroethane		ND		2.9
1,1,2-Trichloroethane		ND		2.9
Trichloroethene		59		2.9
Trichlorofluoromethane		ND		5.7
1,2,3-Trichloropropane		ND		2.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		14
1,2,4-Trimethylbenzene		ND		2.9
1,3,5-Trimethylbenzene		ND		2.9
Vinyl chloride		ND		2.9
Ethylene Dibromide		ND		2.9
trans-1,4-Dichloro-2-butene		ND		5.7
trans-1,2-Dichloroethene		ND		2.9
m-Xylene & p-Xylene		ND		5.7
o-Xylene		ND		2.9

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	109	70 - 130
Dibromofluoromethane	93	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-20 0-2'**

Lab Sample ID: 360-18467-9
Client Matrix: Solid

Date Sampled: 08/28/2008 1339
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1515
Date Prepared: 09/05/2008 1515
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7571.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		ND		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		36		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-20 0-2'**

Lab Sample ID: 360-18467-9
Client Matrix: Solid

Date Sampled: 08/28/2008 1339
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1515
Date Prepared: 09/05/2008 1515
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7571.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	53 - 125
4-Bromofluorobenzene	87	73 - 127
Dibromofluoromethane	99	54 - 137
Toluene-d8 (Surr)	93	63 - 121

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-20 0-2'

Lab Sample ID: 360-18467-9
Client Matrix: Solid
% Moisture: 4.3
Date Sampled: 08/28/2008 1339
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/05/2008 2352
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40028.D
Initial Weight/Volume: 2.30 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND	*	570
Acrylonitrile		ND		5.7
Benzene		ND		5.7
Bromobenzene		ND		5.7
n-Butylbenzene		ND		5.7
sec-Butylbenzene		ND		5.7
tert-Butylbenzene		ND		5.7
Dichlorobromomethane		ND		5.7
Bromoform		ND		5.7
Bromomethane		ND		11
2-Butanone (MEK)		ND	*	57
Carbon disulfide		ND		5.7
Carbon tetrachloride		ND		5.7
Chlorobenzene		ND		5.7
Chloroethane		ND		11
Chloroform		ND		5.7
Chloromethane		ND		11
2-Chlorotoluene		ND		5.7
4-Chlorotoluene		ND		5.7
Chlorodibromomethane		ND		5.7
1,2-Dibromo-3-Chloropropane		ND		11
Dibromomethane		ND		5.7
1,2-Dichlorobenzene		ND		5.7
1,3-Dichlorobenzene		ND		5.7
1,4-Dichlorobenzene		ND		5.7
Dichlorodifluoromethane		ND		11
1,1-Dichloroethene		ND		5.7
1,1-Dichloroethane		ND		5.7
1,2-Dichloroethane		ND		5.7
cis-1,2-Dichloroethene		ND		5.7
1,2-Dichloropropane		ND		5.7
1,3-Dichloropropane		ND		5.7
2,2-Dichloropropane		ND		5.7
1,1-Dichloropropene		ND		5.7
cis-1,3-Dichloropropene		ND		5.7
trans-1,3-Dichloropropene		ND		5.7
Ethylbenzene		ND		5.7
Hexachlorobutadiene		ND		5.7
2-Hexanone		ND	*	57
Isopropylbenzene		ND		5.7
4-Isopropyltoluene		ND		5.7
Methylene Chloride		ND		23
4-Methyl-2-pentanone (MIBK)		ND		57
Methyl tert-butyl ether		ND		5.7

Analytical Data

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-20 0-2'

Lab Sample ID:	360-18467-9			Date Sampled:	08/28/2008 1339
Client Matrix:	Solid	% Moisture:	4.3	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35924		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35932		Lab File ID:	V40028.D
Dilution:	1.0			Initial Weight/Volume:	2.30 g
Date Analyzed:	09/05/2008 2352			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1155				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		57
N-Propylbenzene		ND		5.7
Styrene		ND		5.7
1,1,1,2-Tetrachloroethane		ND		5.7
1,1,2,2-Tetrachloroethane		ND		5.7
Tetrachloroethene		ND		5.7
Tetrahydrofuran		ND		57
Toluene		ND		5.7
1,2,3-Trichlorobenzene		ND		5.7
1,2,4-Trichlorobenzene		ND		5.7
1,1,1-Trichloroethane		ND		5.7
1,1,2-Trichloroethane		ND		5.7
Trichloroethene		600		5.7
Trichlorofluoromethane		ND		11
1,2,3-Trichloropropane		ND		5.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		28
1,2,4-Trimethylbenzene		ND		5.7
1,3,5-Trimethylbenzene		ND		5.7
Vinyl chloride		ND		5.7
Ethylene Dibromide		ND		5.7
trans-1,4-Dichloro-2-butene		ND		11
trans-1,2-Dichloroethene		ND		5.7
m-Xylene & p-Xylene		ND		11
o-Xylene		ND		5.7

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	114	70 - 130
Dibromofluoromethane	89	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-21 0-2'**

Lab Sample ID:	360-18467-12			Date Sampled:	08/28/2008 1353
Client Matrix:	Solid	% Moisture:	9.8	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35924		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35932		Lab File ID:	V40029.D
Dilution:	1.0			Initial Weight/Volume:	2.64 g
Date Analyzed:	09/06/2008 0016			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1155				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND	*	520
Acrylonitrile		ND		5.2
Benzene		ND		5.2
Bromobenzene		ND		5.2
n-Butylbenzene		ND		5.2
sec-Butylbenzene		ND		5.2
tert-Butylbenzene		ND		5.2
Dichlorobromomethane		ND		5.2
Bromoform		ND		5.2
Bromomethane		ND		10
2-Butanone (MEK)		ND	*	52
Carbon disulfide		ND		5.2
Carbon tetrachloride		ND		5.2
Chlorobenzene		ND		5.2
Chloroethane		ND		10
Chloroform		ND		5.2
Chloromethane		ND		10
2-Chlorotoluene		ND		5.2
4-Chlorotoluene		ND		5.2
Chlorodibromomethane		ND		5.2
1,2-Dibromo-3-Chloropropane		ND		10
Dibromomethane		ND		5.2
1,2-Dichlorobenzene		ND		5.2
1,3-Dichlorobenzene		ND		5.2
1,4-Dichlorobenzene		ND		5.2
Dichlorodifluoromethane		ND		10
1,1-Dichloroethene		ND		5.2
1,1-Dichloroethane		ND		5.2
1,2-Dichloroethane		ND		5.2
cis-1,2-Dichloroethene		ND		5.2
1,2-Dichloropropane		ND		5.2
1,3-Dichloropropane		ND		5.2
2,2-Dichloropropane		ND		5.2
1,1-Dichloropropene		ND		5.2
cis-1,3-Dichloropropene		ND		5.2
trans-1,3-Dichloropropene		ND		5.2
Ethylbenzene		ND		5.2
Hexachlorobutadiene		ND		5.2
2-Hexanone		ND	*	52
Isopropylbenzene		ND		5.2
4-Isopropyltoluene		ND		5.2
Methylene Chloride		ND		21
4-Methyl-2-pentanone (MIBK)		ND		52
Methyl tert-butyl ether		ND		5.2

Analytical Data

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-21 0-2'

Lab Sample ID:	360-18467-12			Date Sampled:	08/28/2008 1353
Client Matrix:	Solid	% Moisture:	9.8	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35924		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35932		Lab File ID:	V40029.D
Dilution:	1.0			Initial Weight/Volume:	2.64 g
Date Analyzed:	09/06/2008 0016			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1155				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		52
N-Propylbenzene		ND		5.2
Styrene		ND		5.2
1,1,1,2-Tetrachloroethane		ND		5.2
1,1,2,2-Tetrachloroethane		ND		5.2
Tetrachloroethene		ND		5.2
Tetrahydrofuran		ND		52
Toluene		ND		5.2
1,2,3-Trichlorobenzene		ND		5.2
1,2,4-Trichlorobenzene		ND		5.2
1,1,1-Trichloroethane		ND		5.2
1,1,2-Trichloroethane		ND		5.2
Trichloroethene		810		5.2
Trichlorofluoromethane		ND		10
1,2,3-Trichloropropane		ND		5.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		26
1,2,4-Trimethylbenzene		ND		5.2
1,3,5-Trimethylbenzene		ND		5.2
Vinyl chloride		ND		5.2
Ethylene Dibromide		ND		5.2
trans-1,4-Dichloro-2-butene		ND		10
trans-1,2-Dichloroethene		ND		5.2
m-Xylene & p-Xylene		ND		10
o-Xylene		ND		5.2

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	114	70 - 130
Dibromofluoromethane	90	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-21 0-2'**

Lab Sample ID: 360-18467-12
Client Matrix: Solid

Date Sampled: 08/28/2008 1353
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1542
Date Prepared: 09/05/2008 1542
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7572.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		ND		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		70		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-21 0-2'

Lab Sample ID: 360-18467-12
Client Matrix: Solid

Date Sampled: 08/28/2008 1353
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1542
Date Prepared: 09/05/2008 1542
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7572.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	53 - 125
4-Bromofluorobenzene	82	73 - 127
Dibromofluoromethane	92	54 - 137
Toluene-d8 (Surr)	87	63 - 121

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-21 2-4'

Lab Sample ID: 360-18467-13
Client Matrix: Solid
% Moisture: 9.9
Date Sampled: 08/28/2008 1355
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/06/2008 0040
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40030.D
Initial Weight/Volume: 4.64 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND	*	300
Acrylonitrile		ND		3.0
Benzene		ND		3.0
Bromobenzene		ND		3.0
n-Butylbenzene		ND		3.0
sec-Butylbenzene		ND		3.0
tert-Butylbenzene		ND		3.0
Dichlorobromomethane		ND		3.0
Bromoform		ND		3.0
Bromomethane		ND		6.0
2-Butanone (MEK)		ND	*	30
Carbon disulfide		ND		3.0
Carbon tetrachloride		ND		3.0
Chlorobenzene		ND		3.0
Chloroethane		ND		6.0
Chloroform		ND		3.0
Chloromethane		ND		6.0
2-Chlorotoluene		ND		3.0
4-Chlorotoluene		ND		3.0
Chlorodibromomethane		ND		3.0
1,2-Dibromo-3-Chloropropane		ND		6.0
Dibromomethane		ND		3.0
1,2-Dichlorobenzene		ND		3.0
1,3-Dichlorobenzene		ND		3.0
1,4-Dichlorobenzene		ND		3.0
Dichlorodifluoromethane		ND		6.0
1,1-Dichloroethene		ND		3.0
1,1-Dichloroethane		ND		3.0
1,2-Dichloroethane		ND		3.0
cis-1,2-Dichloroethene		9.3		3.0
1,2-Dichloropropane		ND		3.0
1,3-Dichloropropane		ND		3.0
2,2-Dichloropropane		ND		3.0
1,1-Dichloropropene		ND		3.0
cis-1,3-Dichloropropene		ND		3.0
trans-1,3-Dichloropropene		ND		3.0
Ethylbenzene		ND		3.0
Hexachlorobutadiene		ND		3.0
2-Hexanone		ND	*	30
Isopropylbenzene		ND		3.0
4-Isopropyltoluene		ND		3.0
Methylene Chloride		ND		12
4-Methyl-2-pentanone (MIBK)		ND		30
Methyl tert-butyl ether		ND		3.0

Analytical Data

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-21 2-4'

Lab Sample ID:	360-18467-13			Date Sampled:	08/28/2008 1355
Client Matrix:	Solid	% Moisture:	9.9	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35924		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35932		Lab File ID:	V40030.D
Dilution:	1.0			Initial Weight/Volume:	4.64 g
Date Analyzed:	09/06/2008 0040			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1155				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL
Naphthalene	ND		30
N-Propylbenzene	ND		3.0
Styrene	ND		3.0
1,1,1,2-Tetrachloroethane	ND		3.0
1,1,2,2-Tetrachloroethane	ND		3.0
Tetrachloroethene	ND		3.0
Tetrahydrofuran	ND		30
Toluene	ND		3.0
1,2,3-Trichlorobenzene	ND		3.0
1,2,4-Trichlorobenzene	ND		3.0
1,1,1-Trichloroethane	ND		3.0
1,1,2-Trichloroethane	ND		3.0
Trichlorofluoromethane	ND		6.0
1,2,3-Trichloropropane	ND		3.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15
1,2,4-Trimethylbenzene	ND		3.0
1,3,5-Trimethylbenzene	ND		3.0
Vinyl chloride	ND		3.0
Ethylene Dibromide	ND		3.0
trans-1,4-Dichloro-2-butene	ND		6.0
trans-1,2-Dichloroethene	ND		3.0
m-Xylene & p-Xylene	ND		6.0
o-Xylene	ND		3.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	111	70 - 130
Dibromofluoromethane	90	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-21 2-4'

Lab Sample ID:	360-18467-13			Date Sampled:	08/28/2008 1355
Client Matrix:	Solid	% Moisture:	9.9	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35976		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35973		Lab File ID:	V40053.D
Dilution:	10			Initial Weight/Volume:	4.64 g
Date Analyzed:	09/08/2008 2016			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1017				

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Trichloroethene	100000	*	600	1500

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	70 - 130
Dibromofluoromethane	89	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-21 2-4'**

Lab Sample ID: 360-18467-13
Client Matrix: Solid

Date Sampled: 08/28/2008 1355
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1608
Date Prepared: 09/05/2008 1608
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7573.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		ND		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		130	E	5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-21 2-4'**

Lab Sample ID: 360-18467-13
Client Matrix: Solid

Date Sampled: 08/28/2008 1355
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1608
Date Prepared: 09/05/2008 1608
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7573.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	53 - 125
4-Bromofluorobenzene	82	73 - 127
Dibromofluoromethane	95	54 - 137
Toluene-d8 (Surr)	89	63 - 121

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-21 2-4'**

Lab Sample ID: 360-18467-13
Client Matrix: Solid

Date Sampled: 08/28/2008 1355
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 2.0
Date Analyzed: 09/05/2008 1915
Date Prepared: 09/05/2008 1915
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649
Run Type: DL

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7580.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		10
Vinyl chloride		ND		10
Bromomethane		ND		10
1,1-Dichloroethene		ND		10
Carbon disulfide		ND		10
Acetone		ND		20
Methylene Chloride		ND		10
1,1-Dichloroethane		ND		10
Methyl Ethyl Ketone		ND		20
Chloroform		ND		10
1,1,1-Trichloroethane		ND		10
Carbon tetrachloride		ND		10
Benzene		ND		10
1,2-Dichloroethane		ND		10
Trichloroethene		120		10
1,2-Dichloropropane		ND		10
Bromodichloromethane		ND		10
methyl isobutyl ketone		ND		20
Toluene		ND		10
1,1,2-Trichloroethane		ND		10
Tetrachloroethene		ND		10
Dibromochloromethane		ND		10
Chlorobenzene		ND		10
Ethylbenzene		ND		10
Styrene		ND		10
Bromoform		ND		10
1,1,2,2-Tetrachloroethane		ND		10
cis-1,2-Dichloroethene		ND		10
trans-1,2-Dichloroethene		ND		10
Acrylonitrile		ND		20
n-Butylbenzene		ND		10
sec-Butylbenzene		ND		10
tert-Butylbenzene		ND		10
1,2-Dibromo-3-Chloropropane		ND		10
1,2-Dibromoethane		ND		10
1,2-Dichlorobenzene		ND		10
1,3-Dichlorobenzene		ND		10
1,4-Dichlorobenzene		ND		10
4-Isopropyltoluene		ND		10
Methyl tert-butyl ether		ND		10
Isopropylbenzene		ND		10
N-Propylbenzene		ND		10
1,2,4-Trichlorobenzene		ND		10
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		10

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-21 2-4'

Lab Sample ID: 360-18467-13
Client Matrix: Solid

Date Sampled: 08/28/2008 1355
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 2.0
Date Analyzed: 09/05/2008 1915
Date Prepared: 09/05/2008 1915
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649
Run Type: DL

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7580.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		10
1,1,1,2-Tetrachloroethane		ND		10
1,2,4-Trimethylbenzene		ND		10
1,3,5-Trimethylbenzene		ND		10
trans-1,4-Dichloro-2-butene		ND		20
Acrolein		ND		50
Acetonitrile		ND		100
1,3-Dichloropropane		ND		10
Xylenes, Total		ND		10
2-Chlorotoluene		ND		10
4-Chlorotoluene		ND		10
1,2-Dichloroethene, Total		ND		10
m&p-Xylene		ND		10
o-Xylene		ND		10
cis-1,3-Dichloropropene		ND		10
trans-1,3-Dichloropropene		ND		10
Tetrahydrofuran		ND		20
Dichlorodifluoromethane		ND		10
Chloroethane		ND		10
Hexachlorobutadiene		ND		10
Dibromomethane		ND		10
1,1-Dichloropropene		ND		10
Naphthalene		ND		10
Bromobenzene		ND		10
1,2,3-Trichlorobenzene		ND		10
2-Hexanone		ND		20
2,2-Dichloropropane		ND		10
1,2,3-Trichloropropane		ND		10

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	53 - 125
4-Bromofluorobenzene	86	73 - 127
Dibromofluoromethane	98	54 - 137
Toluene-d8 (Surr)	92	63 - 121

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-27 0-2'

Lab Sample ID: 360-18467-19
Client Matrix: Solid
% Moisture: 8.1
Date Sampled: 08/28/2008 1435
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/06/2008 0104
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40031.D
Initial Weight/Volume: 4.39 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND	*	310
Acrylonitrile		ND		3.1
Benzene		ND		3.1
Bromobenzene		ND		3.1
n-Butylbenzene		ND		3.1
sec-Butylbenzene		ND		3.1
tert-Butylbenzene		ND		3.1
Dichlorobromomethane		ND		3.1
Bromoform		ND		3.1
Bromomethane		ND		6.2
2-Butanone (MEK)		ND	*	31
Carbon disulfide		ND		3.1
Carbon tetrachloride		ND		3.1
Chlorobenzene		ND		3.1
Chloroethane		ND		6.2
Chloroform		ND		3.1
Chloromethane		ND		6.2
2-Chlorotoluene		ND		3.1
4-Chlorotoluene		ND		3.1
Chlorodibromomethane		ND		3.1
1,2-Dibromo-3-Chloropropane		ND		6.2
Dibromomethane		ND		3.1
1,2-Dichlorobenzene		ND		3.1
1,3-Dichlorobenzene		ND		3.1
1,4-Dichlorobenzene		ND		3.1
Dichlorodifluoromethane		ND		6.2
1,1-Dichloroethene		ND		3.1
1,1-Dichloroethane		ND		3.1
1,2-Dichloroethane		ND		3.1
cis-1,2-Dichloroethene		ND		3.1
1,2-Dichloropropane		ND		3.1
1,3-Dichloropropane		ND		3.1
2,2-Dichloropropane		ND		3.1
1,1-Dichloropropene		ND		3.1
cis-1,3-Dichloropropene		ND		3.1
trans-1,3-Dichloropropene		ND		3.1
Ethylbenzene		ND		3.1
Hexachlorobutadiene		ND		3.1
2-Hexanone		ND	*	31
Isopropylbenzene		ND		3.1
4-Isopropyltoluene		ND		3.1
Methylene Chloride		ND		12
4-Methyl-2-pentanone (MIBK)		ND		31
Methyl tert-butyl ether		ND		3.1

Analytical Data

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-27 0-2'

Lab Sample ID:	360-18467-19			Date Sampled:	08/28/2008 1435
Client Matrix:	Solid	% Moisture:	8.1	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35924		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35932		Lab File ID:	V40031.D
Dilution:	1.0			Initial Weight/Volume:	4.39 g
Date Analyzed:	09/06/2008 0104			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1155				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		31
N-Propylbenzene		ND		3.1
Styrene		ND		3.1
1,1,1,2-Tetrachloroethane		ND		3.1
1,1,2,2-Tetrachloroethane		ND		3.1
Tetrachloroethene		3.9		3.1
Tetrahydrofuran		ND		31
Toluene		ND		3.1
1,2,3-Trichlorobenzene		ND		3.1
1,2,4-Trichlorobenzene		ND		3.1
1,1,1-Trichloroethane		ND		3.1
1,1,2-Trichloroethane		ND		3.1
Trichlorofluoromethane		ND		6.2
1,2,3-Trichloropropane		ND		3.1
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		15
1,2,4-Trimethylbenzene		ND		3.1
1,3,5-Trimethylbenzene		ND		3.1
Vinyl chloride		ND		3.1
Ethylene Dibromide		ND		3.1
trans-1,4-Dichloro-2-butene		ND		6.2
trans-1,2-Dichloroethene		ND		3.1
m-Xylene & p-Xylene		ND		6.2
o-Xylene		ND		3.1

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	111	70 - 130
Dibromofluoromethane	88	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Analytical Data

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-27 0-2'

Lab Sample ID:	360-18467-19			Date Sampled:	08/28/2008 1435
Client Matrix:	Solid	% Moisture:	8.1	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35976		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35973		Lab File ID:	V40054.D
Dilution:	5.0			Initial Weight/Volume:	4.39 g
Date Analyzed:	09/08/2008 2040			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1017				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Trichloroethene		54000	*	310	770

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	109	70 - 130
Dibromofluoromethane	90	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond | Job Number: 360-18467-1

Client Sample ID: **R1-27 2-4'**

Lab Sample ID:	360-18467-20			Date Sampled:	08/28/2008 1200
Client Matrix:	Solid	% Moisture:	7.7	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35924		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35932		Lab File ID:	V40032.D
Dilution:	1.0			Initial Weight/Volume:	3.85 g
Date Analyzed:	09/06/2008 0128			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1155				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND	*	350
Acrylonitrile		ND		3.5
Benzene		ND		3.5
Bromobenzene		ND		3.5
n-Butylbenzene		ND		3.5
sec-Butylbenzene		ND		3.5
tert-Butylbenzene		ND		3.5
Dichlorobromomethane		ND		3.5
Bromoform		ND		3.5
Bromomethane		ND		7.0
2-Butanone (MEK)		ND	*	35
Carbon disulfide		ND		3.5
Carbon tetrachloride		ND		3.5
Chlorobenzene		ND		3.5
Chloroethane		ND		7.0
Chloroform		ND		3.5
Chloromethane		ND		7.0
2-Chlorotoluene		ND		3.5
4-Chlorotoluene		ND		3.5
Chlorodibromomethane		ND		3.5
1,2-Dibromo-3-Chloropropane		ND		7.0
Dibromomethane		ND		3.5
1,2-Dichlorobenzene		ND		3.5
1,3-Dichlorobenzene		ND		3.5
1,4-Dichlorobenzene		ND		3.5
Dichlorodifluoromethane		ND		7.0
1,1-Dichloroethene		ND		3.5
1,1-Dichloroethane		ND		3.5
1,2-Dichloroethane		ND		3.5
cis-1,2-Dichloroethene		ND		3.5
1,2-Dichloropropane		ND		3.5
1,3-Dichloropropane		ND		3.5
2,2-Dichloropropane		ND		3.5
1,1-Dichloropropene		ND		3.5
cis-1,3-Dichloropropene		ND		3.5
trans-1,3-Dichloropropene		ND		3.5
Ethylbenzene		ND		3.5
Hexachlorobutadiene		ND		3.5
2-Hexanone		ND	*	35
Isopropylbenzene		ND		3.5
4-Isopropyltoluene		ND		3.5
Methylene Chloride		ND		14
4-Methyl-2-pentanone (MIBK)		ND		35
Methyl tert-butyl ether		ND		3.5

Analytical Data

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-27 2-4'

Lab Sample ID:	360-18467-20			Date Sampled:	08/28/2008 1200
Client Matrix:	Solid	% Moisture:	7.7	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35924		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35932		Lab File ID:	V40032.D
Dilution:	1.0			Initial Weight/Volume:	3.85 g
Date Analyzed:	09/06/2008 0128			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1155				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		35
N-Propylbenzene		ND		3.5
Styrene		ND		3.5
1,1,1,2-Tetrachloroethane		ND		3.5
1,1,2,2-Tetrachloroethane		ND		3.5
Tetrachloroethene		7.7		3.5
Tetrahydrofuran		ND		35
Toluene		ND		3.5
1,2,3-Trichlorobenzene		ND		3.5
1,2,4-Trichlorobenzene		ND		3.5
1,1,1-Trichloroethane		ND		3.5
1,1,2-Trichloroethane		ND		3.5
Trichlorofluoromethane		ND		7.0
1,2,3-Trichloropropane		ND		3.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		18
1,2,4-Trimethylbenzene		ND		3.5
1,3,5-Trimethylbenzene		ND		3.5
Vinyl chloride		ND		3.5
Ethylene Dibromide		ND		3.5
trans-1,4-Dichloro-2-butene		ND		7.0
trans-1,2-Dichloroethene		ND		3.5
m-Xylene & p-Xylene		ND		7.0
o-Xylene		ND		3.5

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	70 - 130
Dibromofluoromethane	90	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-27 2-4'

Lab Sample ID:	360-18467-20			Date Sampled:	08/28/2008 1200
Client Matrix:	Solid	% Moisture:	7.7	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35976		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35973		Lab File ID:	V40055.D
Dilution:	5.0			Initial Weight/Volume:	3.46 g
Date Analyzed:	09/08/2008 2105			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1017				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Trichloroethene		77000	*	390	980

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	113	70 - 130
Dibromofluoromethane	90	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-28 0-2'**

Lab Sample ID: 360-18467-21
Client Matrix: Solid
% Moisture: 9.8
Date Sampled: 08/28/2008 1441
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/05/2008 1259
Date Prepared: 09/04/2008 1131

Analysis Batch: 360-35923
Prep Batch: 360-35929

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40001.D
Initial Weight/Volume: 5.24 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		260
Acrylonitrile		ND		2.6
Benzene		ND		2.6
Bromobenzene		ND		2.6
n-Butylbenzene		ND		2.6
sec-Butylbenzene		ND		2.6
tert-Butylbenzene		ND		2.6
Dichlorobromomethane		ND		2.6
Bromoform		ND		2.6
Bromomethane		ND		5.3
2-Butanone (MEK)		ND		26
Carbon disulfide		ND		2.6
Carbon tetrachloride		ND		2.6
Chlorobenzene		ND		2.6
Chloroethane		ND		5.3
Chloroform		ND		2.6
Chloromethane		ND		5.3
2-Chlorotoluene		ND		2.6
4-Chlorotoluene		ND		2.6
Chlorodibromomethane		ND		2.6
1,2-Dibromo-3-Chloropropane		ND		5.3
Dibromomethane		ND		2.6
1,2-Dichlorobenzene		ND		2.6
1,3-Dichlorobenzene		ND		2.6
1,4-Dichlorobenzene		ND		2.6
Dichlorodifluoromethane		ND		5.3
1,1-Dichloroethene		ND		2.6
1,1-Dichloroethane		ND		2.6
1,2-Dichloroethane		ND		2.6
cis-1,2-Dichloroethene		ND		2.6
1,2-Dichloropropane		ND		2.6
1,3-Dichloropropane		ND		2.6
2,2-Dichloropropane		ND		2.6
1,1-Dichloropropene		ND		2.6
cis-1,3-Dichloropropene		ND		2.6
trans-1,3-Dichloropropene		ND		2.6
Ethylbenzene		ND		2.6
Hexachlorobutadiene		ND		2.6
2-Hexanone		ND		26
Isopropylbenzene		ND		2.6
4-Isopropyltoluene		ND		2.6
Methylene Chloride		ND		11
4-Methyl-2-pentanone (MIBK)		ND		26
Methyl tert-butyl ether		ND		2.6

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-28 0-2'

Lab Sample ID:	360-18467-21			Date Sampled:	08/28/2008 1441
Client Matrix:	Solid	% Moisture:	9.8	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40001.D
Dilution:	1.0			Initial Weight/Volume:	5.24 g
Date Analyzed:	09/05/2008 1259			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		26
N-Propylbenzene		ND		2.6
Styrene		ND		2.6
1,1,1,2-Tetrachloroethane		ND		2.6
1,1,2,2-Tetrachloroethane		ND		2.6
Tetrachloroethene		ND		2.6
Tetrahydrofuran		ND		26
Toluene		ND		2.6
1,2,3-Trichlorobenzene		ND		2.6
1,2,4-Trichlorobenzene		ND		2.6
1,1,1-Trichloroethane		ND		2.6
1,1,2-Trichloroethane		ND		2.6
Trichloroethene		6.4		2.6
Trichlorofluoromethane		ND		5.3
1,2,3-Trichloropropane		ND		2.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		13
1,2,4-Trimethylbenzene		ND		2.6
1,3,5-Trimethylbenzene		ND		2.6
Vinyl chloride		ND		2.6
Ethylene Dibromide		ND		2.6
trans-1,4-Dichloro-2-butene		ND		5.3
trans-1,2-Dichloroethene		ND		2.6
m-Xylene & p-Xylene		ND		5.3
o-Xylene		ND		2.6

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	70 - 130
Dibromofluoromethane	92	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-28 0-2'**

Lab Sample ID: 360-18467-21
Client Matrix: Solid

Date Sampled: 08/28/2008 1441
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1822
Date Prepared: 09/05/2008 1822
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7578.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		29		10
Methylene Chloride		ND		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		14		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Analytical Data

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-28 0-2'**

Lab Sample ID: 360-18467-21
Client Matrix: Solid

Date Sampled: 08/28/2008 1441
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1822
Date Prepared: 09/05/2008 1822
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7578.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	53 - 125
4-Bromofluorobenzene	84	73 - 127
Dibromofluoromethane	98	54 - 137
Toluene-d8 (Surr)	91	63 - 121

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-28 2-4'**

Lab Sample ID: 360-18467-22
Client Matrix: Solid
% Moisture: 9.3
Date Sampled: 08/28/2008 1445
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/05/2008 1323
Date Prepared: 09/04/2008 1131

Analysis Batch: 360-35923
Prep Batch: 360-35929

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40002.D
Initial Weight/Volume: 3.92 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		350
Acrylonitrile		ND		3.5
Benzene		ND		3.5
Bromobenzene		ND		3.5
n-Butylbenzene		ND		3.5
sec-Butylbenzene		ND		3.5
tert-Butylbenzene		ND		3.5
Dichlorobromomethane		ND		3.5
Bromoform		ND		3.5
Bromomethane		ND		7.0
2-Butanone (MEK)		ND		35
Carbon disulfide		ND		3.5
Carbon tetrachloride		ND		3.5
Chlorobenzene		ND		3.5
Chloroethane		ND		7.0
Chloroform		ND		3.5
Chloromethane		ND		7.0
2-Chlorotoluene		ND		3.5
4-Chlorotoluene		ND		3.5
Chlorodibromomethane		ND		3.5
1,2-Dibromo-3-Chloropropane		ND		7.0
Dibromomethane		ND		3.5
1,2-Dichlorobenzene		ND		3.5
1,3-Dichlorobenzene		ND		3.5
1,4-Dichlorobenzene		ND		3.5
Dichlorodifluoromethane		ND		7.0
1,1-Dichloroethene		ND		3.5
1,1-Dichloroethane		ND		3.5
1,2-Dichloroethane		ND		3.5
cis-1,2-Dichloroethene		ND		3.5
1,2-Dichloropropane		ND		3.5
1,3-Dichloropropane		ND		3.5
2,2-Dichloropropane		ND		3.5
1,1-Dichloropropene		ND		3.5
cis-1,3-Dichloropropene		ND		3.5
trans-1,3-Dichloropropene		ND		3.5
Ethylbenzene		ND		3.5
Hexachlorobutadiene		ND		3.5
2-Hexanone		ND		35
Isopropylbenzene		ND		3.5
4-Isopropyltoluene		ND		3.5
Methylene Chloride		ND		14
4-Methyl-2-pentanone (MIBK)		ND		35
Methyl tert-butyl ether		ND		3.5

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-28 2-4'

Lab Sample ID:	360-18467-22			Date Sampled:	08/28/2008 1445
Client Matrix:	Solid	% Moisture:	9.3	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40002.D
Dilution:	1.0			Initial Weight/Volume:	3.92 g
Date Analyzed:	09/05/2008 1323			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		35
N-Propylbenzene		ND		3.5
Styrene		ND		3.5
1,1,1,2-Tetrachloroethane		ND		3.5
1,1,2,2-Tetrachloroethane		ND		3.5
Tetrachloroethene		ND		3.5
Tetrahydrofuran		ND		35
Toluene		ND		3.5
1,2,3-Trichlorobenzene		ND		3.5
1,2,4-Trichlorobenzene		ND		3.5
1,1,1-Trichloroethane		ND		3.5
1,1,2-Trichloroethane		ND		3.5
Trichloroethene		ND		3.5
Trichlorofluoromethane		ND		7.0
1,2,3-Trichloropropane		ND		3.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		18
1,2,4-Trimethylbenzene		ND		3.5
1,3,5-Trimethylbenzene		ND		3.5
Vinyl chloride		ND		3.5
Ethylene Dibromide		ND		3.5
trans-1,4-Dichloro-2-butene		ND		7.0
trans-1,2-Dichloroethene		ND		3.5
m-Xylene & p-Xylene		ND		7.0
o-Xylene		ND		3.5

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	109	70 - 130
Dibromofluoromethane	90	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-28 2-4'**

Lab Sample ID: 360-18467-22
Client Matrix: Solid

Date Sampled: 08/28/2008 1445
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1848
Date Prepared: 09/05/2008 1848
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7579.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		5.1		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-28 2-4'**

Lab Sample ID: 360-18467-22
Client Matrix: Solid

Date Sampled: 08/28/2008 1445
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1848
Date Prepared: 09/05/2008 1848
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7579.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	53 - 125
4-Bromofluorobenzene	85	73 - 127
Dibromofluoromethane	99	54 - 137
Toluene-d8 (Surr)	92	63 - 121

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-29 0-2'**

Lab Sample ID: 360-18467-25
Client Matrix: Solid
% Moisture: 7.3
Date Sampled: 08/28/2008 1459
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/05/2008 1347
Date Prepared: 09/04/2008 1131

Analysis Batch: 360-35923
Prep Batch: 360-35929

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40003.D
Initial Weight/Volume: 2.06 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		650
Acrylonitrile		ND		6.5
Benzene		ND		6.5
Bromobenzene		ND		6.5
n-Butylbenzene		ND		6.5
sec-Butylbenzene		ND		6.5
tert-Butylbenzene		ND		6.5
Dichlorobromomethane		ND		6.5
Bromoform		ND		6.5
Bromomethane		ND		13
2-Butanone (MEK)		ND		65
Carbon disulfide		ND		6.5
Carbon tetrachloride		ND		6.5
Chlorobenzene		ND		6.5
Chloroethane		ND		13
Chloroform		ND		6.5
Chloromethane		ND		13
2-Chlorotoluene		ND		6.5
4-Chlorotoluene		ND		6.5
Chlorodibromomethane		ND		6.5
1,2-Dibromo-3-Chloropropane		ND		13
Dibromomethane		ND		6.5
1,2-Dichlorobenzene		ND		6.5
1,3-Dichlorobenzene		ND		6.5
1,4-Dichlorobenzene		ND		6.5
Dichlorodifluoromethane		ND		13
1,1-Dichloroethene		ND		6.5
1,1-Dichloroethane		ND		6.5
1,2-Dichloroethane		ND		6.5
cis-1,2-Dichloroethene		ND		6.5
1,2-Dichloropropane		ND		6.5
1,3-Dichloropropane		ND		6.5
2,2-Dichloropropane		ND		6.5
1,1-Dichloropropene		ND		6.5
cis-1,3-Dichloropropene		ND		6.5
trans-1,3-Dichloropropene		ND		6.5
Ethylbenzene		ND		6.5
Hexachlorobutadiene		ND		6.5
2-Hexanone		ND		65
Isopropylbenzene		ND		6.5
4-Isopropyltoluene		ND		6.5
Methylene Chloride		ND		26
4-Methyl-2-pentanone (MIBK)		ND		65
Methyl tert-butyl ether		ND		6.5

Analytical Data

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-29 0-2'

Lab Sample ID:	360-18467-25			Date Sampled:	08/28/2008 1459
Client Matrix:	Solid	% Moisture:	7.3	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40003.D
Dilution:	1.0			Initial Weight/Volume:	2.06 g
Date Analyzed:	09/05/2008 1347			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		65
N-Propylbenzene		ND		6.5
Styrene		ND		6.5
1,1,1,2-Tetrachloroethane		ND		6.5
1,1,2,2-Tetrachloroethane		ND		6.5
Tetrachloroethene		ND		6.5
Tetrahydrofuran		ND		65
Toluene		ND		6.5
1,2,3-Trichlorobenzene		ND		6.5
1,2,4-Trichlorobenzene		ND		6.5
1,1,1-Trichloroethane		ND		6.5
1,1,2-Trichloroethane		ND		6.5
Trichloroethene		16		6.5
Trichlorofluoromethane		ND		13
1,2,3-Trichloropropane		ND		6.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		33
1,2,4-Trimethylbenzene		ND		6.5
1,3,5-Trimethylbenzene		ND		6.5
Vinyl chloride		ND		6.5
Ethylene Dibromide		ND		6.5
trans-1,4-Dichloro-2-butene		ND		13
trans-1,2-Dichloroethene		ND		6.5
m-Xylene & p-Xylene		ND		13
o-Xylene		ND		6.5

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	109	70 - 130
Dibromofluoromethane	92	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-29 0-2'**

Lab Sample ID: 360-18467-25
Client Matrix: Solid

Date Sampled: 08/28/2008 1459
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1702
Date Prepared: 09/05/2008 1702
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7575.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		ND		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		5.1		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-29 0-2'**

Lab Sample ID: 360-18467-25
Client Matrix: Solid

Date Sampled: 08/28/2008 1459
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1702
Date Prepared: 09/05/2008 1702
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7575.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	53 - 125
4-Bromofluorobenzene	81	73 - 127
Dibromofluoromethane	95	54 - 137
Toluene-d8 (Surr)	87	63 - 121

Client: Tighe & Bond | Job Number: 360-18467-1

Client Sample ID: **R1-29 2-4'**

Lab Sample ID:	360-18467-26			Date Sampled:	08/28/2008 1503
Client Matrix:	Solid	% Moisture:	7.2	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40004.D
Dilution:	1.0			Initial Weight/Volume:	2.32 g
Date Analyzed:	09/05/2008 1411			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		580
Acrylonitrile		ND		5.8
Benzene		ND		5.8
Bromobenzene		ND		5.8
n-Butylbenzene		ND		5.8
sec-Butylbenzene		ND		5.8
tert-Butylbenzene		ND		5.8
Dichlorobromomethane		ND		5.8
Bromoform		ND		5.8
Bromomethane		ND		12
2-Butanone (MEK)		ND		58
Carbon disulfide		ND		5.8
Carbon tetrachloride		ND		5.8
Chlorobenzene		ND		5.8
Chloroethane		ND		12
Chloroform		ND		5.8
Chloromethane		ND		12
2-Chlorotoluene		ND		5.8
4-Chlorotoluene		ND		5.8
Chlorodibromomethane		ND		5.8
1,2-Dibromo-3-Chloropropane		ND		12
Dibromomethane		ND		5.8
1,2-Dichlorobenzene		ND		5.8
1,3-Dichlorobenzene		ND		5.8
1,4-Dichlorobenzene		ND		5.8
Dichlorodifluoromethane		ND		12
1,1-Dichloroethene		ND		5.8
1,1-Dichloroethane		ND		5.8
1,2-Dichloroethane		ND		5.8
cis-1,2-Dichloroethene		ND		5.8
1,2-Dichloropropane		ND		5.8
1,3-Dichloropropane		ND		5.8
2,2-Dichloropropane		ND		5.8
1,1-Dichloropropene		ND		5.8
cis-1,3-Dichloropropene		ND		5.8
trans-1,3-Dichloropropene		ND		5.8
Ethylbenzene		ND		5.8
Hexachlorobutadiene		ND		5.8
2-Hexanone		ND		58
Isopropylbenzene		ND		5.8
4-Isopropyltoluene		ND		5.8
Methylene Chloride		ND		23
4-Methyl-2-pentanone (MIBK)		ND		58
Methyl tert-butyl ether		ND		5.8

Analytical Data

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-29 2-4'

Lab Sample ID:	360-18467-26			Date Sampled:	08/28/2008 1503
Client Matrix:	Solid	% Moisture:	7.2	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40004.D
Dilution:	1.0			Initial Weight/Volume:	2.32 g
Date Analyzed:	09/05/2008 1411			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		58
N-Propylbenzene		ND		5.8
Styrene		ND		5.8
1,1,1,2-Tetrachloroethane		ND		5.8
1,1,2,2-Tetrachloroethane		ND		5.8
Tetrachloroethene		ND		5.8
Tetrahydrofuran		ND		58
Toluene		ND		5.8
1,2,3-Trichlorobenzene		ND		5.8
1,2,4-Trichlorobenzene		ND		5.8
1,1,1-Trichloroethane		ND		5.8
1,1,2-Trichloroethane		ND		5.8
Trichloroethene		22		5.8
Trichlorofluoromethane		ND		12
1,2,3-Trichloropropane		ND		5.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		29
1,2,4-Trimethylbenzene		ND		5.8
1,3,5-Trimethylbenzene		ND		5.8
Vinyl chloride		ND		5.8
Ethylene Dibromide		ND		5.8
trans-1,4-Dichloro-2-butene		ND		12
trans-1,2-Dichloroethene		ND		5.8
m-Xylene & p-Xylene		ND		12
o-Xylene		ND		5.8

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	70 - 130
Dibromofluoromethane	91	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-29 2-4'**

Lab Sample ID: 360-18467-26
Client Matrix: Solid

Date Sampled: 08/28/2008 1503
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1755
Date Prepared: 09/05/2008 1755
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7577.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		12		10
Methylene Chloride		5.5		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-29 2-4'**

Lab Sample ID: 360-18467-26
Client Matrix: Solid

Date Sampled: 08/28/2008 1503
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1755
Date Prepared: 09/05/2008 1755
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7577.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	53 - 125
4-Bromofluorobenzene	83	73 - 127
Dibromofluoromethane	98	54 - 137
Toluene-d8 (Surr)	89	63 - 121

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-30 0-2'

Lab Sample ID: 360-18467-29
Client Matrix: Solid
% Moisture: 5.4
Date Sampled: 08/28/2008 1518
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/05/2008 1435
Date Prepared: 09/04/2008 1131

Analysis Batch: 360-35923
Prep Batch: 360-35929

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40005.D
Initial Weight/Volume: 4.25 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		310
Acrylonitrile		ND		3.1
Benzene		ND		3.1
Bromobenzene		ND		3.1
n-Butylbenzene		ND		3.1
sec-Butylbenzene		ND		3.1
tert-Butylbenzene		ND		3.1
Dichlorobromomethane		ND		3.1
Bromoform		ND		3.1
Bromomethane		ND		6.2
2-Butanone (MEK)		ND		31
Carbon disulfide		ND		3.1
Carbon tetrachloride		ND		3.1
Chlorobenzene		ND		3.1
Chloroethane		ND		6.2
Chloroform		ND		3.1
Chloromethane		ND		6.2
2-Chlorotoluene		ND		3.1
4-Chlorotoluene		ND		3.1
Chlorodibromomethane		ND		3.1
1,2-Dibromo-3-Chloropropane		ND		6.2
Dibromomethane		ND		3.1
1,2-Dichlorobenzene		ND		3.1
1,3-Dichlorobenzene		ND		3.1
1,4-Dichlorobenzene		ND		3.1
Dichlorodifluoromethane		ND		6.2
1,1-Dichloroethene		ND		3.1
1,1-Dichloroethane		ND		3.1
1,2-Dichloroethane		ND		3.1
cis-1,2-Dichloroethene		8.1		3.1
1,2-Dichloropropane		ND		3.1
1,3-Dichloropropane		ND		3.1
2,2-Dichloropropane		ND		3.1
1,1-Dichloropropene		ND		3.1
cis-1,3-Dichloropropene		ND		3.1
trans-1,3-Dichloropropene		ND		3.1
Ethylbenzene		ND		3.1
Hexachlorobutadiene		ND		3.1
2-Hexanone		ND		31
Isopropylbenzene		ND		3.1
4-Isopropyltoluene		ND		3.1
Methylene Chloride		ND		12
4-Methyl-2-pentanone (MIBK)		ND		31
Methyl tert-butyl ether		ND		3.1

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-30 0-2'

Lab Sample ID:	360-18467-29			Date Sampled:	08/28/2008 1518
Client Matrix:	Solid	% Moisture:	5.4	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40005.D
Dilution:	1.0			Initial Weight/Volume:	4.25 g
Date Analyzed:	09/05/2008 1435			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		31
N-Propylbenzene		ND		3.1
Styrene		ND		3.1
1,1,1,2-Tetrachloroethane		ND		3.1
1,1,2,2-Tetrachloroethane		ND		3.1
Tetrachloroethene		ND		3.1
Tetrahydrofuran		ND		31
Toluene		ND		3.1
1,2,3-Trichlorobenzene		ND		3.1
1,2,4-Trichlorobenzene		ND		3.1
1,1,1-Trichloroethane		ND		3.1
1,1,2-Trichloroethane		ND		3.1
Trichloroethene		240		3.1
Trichlorofluoromethane		ND		6.2
1,2,3-Trichloropropane		ND		3.1
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		16
1,2,4-Trimethylbenzene		ND		3.1
1,3,5-Trimethylbenzene		ND		3.1
Vinyl chloride		ND		3.1
Ethylene Dibromide		ND		3.1
trans-1,4-Dichloro-2-butene		ND		6.2
trans-1,2-Dichloroethene		ND		3.1
m-Xylene & p-Xylene		ND		6.2
o-Xylene		ND		3.1

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	111	70 - 130
Dibromofluoromethane	92	70 - 130
Toluene-d8 (Surr)	97	70 - 130

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-30 2-4'

Lab Sample ID: 360-18467-30
Client Matrix: Solid
% Moisture: 4.7
Date Sampled: 08/28/2008 1520
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/05/2008 1500
Date Prepared: 09/04/2008 1131

Analysis Batch: 360-35923
Prep Batch: 360-35929

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40006.D
Initial Weight/Volume: 1.66 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		790
Acrylonitrile		ND		7.9
Benzene		ND		7.9
Bromobenzene		ND		7.9
n-Butylbenzene		ND		7.9
sec-Butylbenzene		ND		7.9
tert-Butylbenzene		ND		7.9
Dichlorobromomethane		ND		7.9
Bromoform		ND		7.9
Bromomethane		ND		16
2-Butanone (MEK)		ND		79
Carbon disulfide		ND		7.9
Carbon tetrachloride		ND		7.9
Chlorobenzene		ND		7.9
Chloroethane		ND		16
Chloroform		ND		7.9
Chloromethane		ND		16
2-Chlorotoluene		ND		7.9
4-Chlorotoluene		ND		7.9
Chlorodibromomethane		ND		7.9
1,2-Dibromo-3-Chloropropane		ND		16
Dibromomethane		ND		7.9
1,2-Dichlorobenzene		ND		7.9
1,3-Dichlorobenzene		ND		7.9
1,4-Dichlorobenzene		ND		7.9
Dichlorodifluoromethane		ND		16
1,1-Dichloroethene		ND		7.9
1,1-Dichloroethane		ND		7.9
1,2-Dichloroethane		ND		7.9
cis-1,2-Dichloroethene		ND		7.9
1,2-Dichloropropane		ND		7.9
1,3-Dichloropropane		ND		7.9
2,2-Dichloropropane		ND		7.9
1,1-Dichloropropene		ND		7.9
cis-1,3-Dichloropropene		ND		7.9
trans-1,3-Dichloropropene		ND		7.9
Ethylbenzene		ND		7.9
Hexachlorobutadiene		ND		7.9
2-Hexanone		ND		79
Isopropylbenzene		ND		7.9
4-Isopropyltoluene		ND		7.9
Methylene Chloride		ND		32
4-Methyl-2-pentanone (MIBK)		ND		79
Methyl tert-butyl ether		ND		7.9

Analytical Data

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-30 2-4'

Lab Sample ID:	360-18467-30			Date Sampled:	08/28/2008 1520
Client Matrix:	Solid	% Moisture:	4.7	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40006.D
Dilution:	1.0			Initial Weight/Volume:	1.66 g
Date Analyzed:	09/05/2008 1500			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		79
N-Propylbenzene		ND		7.9
Styrene		ND		7.9
1,1,1,2-Tetrachloroethane		ND		7.9
1,1,2,2-Tetrachloroethane		ND		7.9
Tetrachloroethene		ND		7.9
Tetrahydrofuran		ND		79
Toluene		ND		7.9
1,2,3-Trichlorobenzene		ND		7.9
1,2,4-Trichlorobenzene		ND		7.9
1,1,1-Trichloroethane		ND		7.9
1,1,2-Trichloroethane		ND		7.9
Trichloroethene		52		7.9
Trichlorofluoromethane		ND		16
1,2,3-Trichloropropane		ND		7.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		40
1,2,4-Trimethylbenzene		ND		7.9
1,3,5-Trimethylbenzene		ND		7.9
Vinyl chloride		ND		7.9
Ethylene Dibromide		ND		7.9
trans-1,4-Dichloro-2-butene		ND		16
trans-1,2-Dichloroethene		ND		7.9
m-Xylene & p-Xylene		ND		16
o-Xylene		ND		7.9

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	108	70 - 130
Dibromofluoromethane	92	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-30 2-4'**

Lab Sample ID: 360-18467-30
Client Matrix: Solid

Date Sampled: 08/28/2008 1520
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1728
Date Prepared: 09/05/2008 1728
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7576.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		5.5		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-30 2-4'**

Lab Sample ID: 360-18467-30
Client Matrix: Solid

Date Sampled: 08/28/2008 1520
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/05/2008 1728
Date Prepared: 09/05/2008 1728
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7576.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	53 - 125
4-Bromofluorobenzene	86	73 - 127
Dibromofluoromethane	98	54 - 137
Toluene-d8 (Surr)	92	63 - 121

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-18 0-2'

Lab Sample ID:	360-18467-1			Date Sampled:	08/28/2008 1310
Client Matrix:	Solid	% Moisture:	12.4	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2780.D
Dilution:	1.0			Initial Weight/Volume:	10.60 g
Date Analyzed:	09/03/2008 2013			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	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	Acceptance Limits
DCB Decachlorobiphenyl	109	30 - 150
Tetrachloro-m-xylene	99	30 - 150

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-18 2-4'**

Lab Sample ID:	360-18467-2			Date Sampled:	08/28/2008 1314
Client Matrix:	Solid	% Moisture:	17.0	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2781.D
Dilution:	1.0			Initial Weight/Volume:	10.68 g
Date Analyzed:	09/03/2008 2034			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	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	870		110
PCB-1260	ND		110
PCB-1262	ND		110
PCB-1268	ND		110

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	121	30 - 150
Tetrachloro-m-xylene	100	30 - 150

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-19 0-2'

Lab Sample ID:	360-18467-4			Date Sampled:	08/28/2008 1320
Client Matrix:	Solid	% Moisture:	10.0	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2782.D
Dilution:	1.0			Initial Weight/Volume:	10.07 g
Date Analyzed:	09/03/2008 2055			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	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	Acceptance Limits
DCB Decachlorobiphenyl	119	30 - 150
Tetrachloro-m-xylene	103	30 - 150

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **DUP-3**

Lab Sample ID:	360-18467-5			Date Sampled:	08/28/2008 1326
Client Matrix:	Solid	% Moisture:	12.8	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2783.D
Dilution:	1.0			Initial Weight/Volume:	10.37 g
Date Analyzed:	09/03/2008 2116			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	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	1300		110
PCB-1260	ND		110
PCB-1262	ND		110
PCB-1268	ND		110

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	115	30 - 150
Tetrachloro-m-xylene	104	30 - 150

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-19 2-4'

Lab Sample ID:	360-18467-6			Date Sampled:	08/28/2008 1328
Client Matrix:	Solid	% Moisture:	18.6	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2784.D
Dilution:	1.0			Initial Weight/Volume:	10.04 g
Date Analyzed:	09/03/2008 2137			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	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		330		120
PCB-1260		ND		120
PCB-1262		ND		120
PCB-1268		ND		120

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	135	30 - 150
Tetrachloro-m-xylene	110	30 - 150

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-20 0-2'**

Lab Sample ID:	360-18467-9			Date Sampled:	08/28/2008 1339
Client Matrix:	Solid	% Moisture:	4.3	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2785.D
Dilution:	1.0			Initial Weight/Volume:	10.45 g
Date Analyzed:	09/03/2008 2158			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	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	700		100
PCB-1260	ND		100
PCB-1262	ND		100
PCB-1268	ND		100

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	117	30 - 150
Tetrachloro-m-xylene	110	30 - 150

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-21 0-2'

Lab Sample ID:	360-18467-12			Date Sampled:	08/28/2008 1353
Client Matrix:	Solid	% Moisture:	9.8	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2786.D
Dilution:	1.0			Initial Weight/Volume:	10.47 g
Date Analyzed:	09/03/2008 2218			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	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	Acceptance Limits
DCB Decachlorobiphenyl	128	30 - 150
Tetrachloro-m-xylene	107	30 - 150

Analytical Data

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-21 2-4'

Lab Sample ID:	360-18467-13			Date Sampled:	08/28/2008 1355
Client Matrix:	Solid	% Moisture:	9.9	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2787.D
Dilution:	1.0			Initial Weight/Volume:	10.88 g
Date Analyzed:	09/03/2008 2239			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	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	Acceptance Limits
DCB Decachlorobiphenyl	124	30 - 150
Tetrachloro-m-xylene	110	30 - 150

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-22 0-2'

Lab Sample ID:	360-18467-15			Date Sampled:	08/28/2008 1404
Client Matrix:	Solid	% Moisture:	12.0	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2788.D
Dilution:	1.0			Initial Weight/Volume:	10.43 g
Date Analyzed:	09/03/2008 2300			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	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	Acceptance Limits
DCB Decachlorobiphenyl	148	30 - 150
Tetrachloro-m-xylene	106	30 - 150

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-31 0-2'**

Lab Sample ID:	360-18467-17			Date Sampled:	08/28/2008 1419
Client Matrix:	Solid	% Moisture:	7.6	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2789.D
Dilution:	1.0			Initial Weight/Volume:	10.82 g
Date Analyzed:	09/03/2008 2321			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	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	1800		100
PCB-1260	ND		100
PCB-1262	ND		100
PCB-1268	ND		100

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	117	30 - 150
Tetrachloro-m-xylene	102	30 - 150

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-31 2-4'**

Lab Sample ID:	360-18467-18			Date Sampled:	08/28/2008 1422
Client Matrix:	Solid	% Moisture:	5.0	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2790.D
Dilution:	1.0			Initial Weight/Volume:	10.20 g
Date Analyzed:	09/03/2008 2342			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	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	Acceptance Limits
DCB Decachlorobiphenyl	123	30 - 150
Tetrachloro-m-xylene	104	30 - 150

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-21 0-2'**

Lab Sample ID:	360-18467-12			Date Sampled:	08/28/2008 1353
Client Matrix:	Solid	% Moisture:	9.8	Date Received:	08/29/2008 1130

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-35908		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-35867		Lab File ID:	F11605.D
Dilution:	1.0			Initial Weight/Volume:	30.05 g
Date Analyzed:	09/05/2008 1403			Final Weight/Volume:	1.0 mL
Date Prepared:	09/05/2008 1111			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		61		3.7

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	54	50 - 150

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-21 2-4'**

Lab Sample ID:	360-18467-13			Date Sampled:	08/28/2008 1355
Client Matrix:	Solid	% Moisture:	9.9	Date Received:	08/29/2008 1130

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-35908		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-35867		Lab File ID:	F11606.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Date Analyzed:	09/05/2008 1434			Final Weight/Volume:	1.0 mL
Date Prepared:	09/05/2008 1111			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		78		3.7

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	53	50 - 150

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: **R1-22 0-2'**

Lab Sample ID:	360-18467-15			Date Sampled:	08/28/2008 1404
Client Matrix:	Solid	% Moisture:	12.0	Date Received:	08/29/2008 1130

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-35820		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-35785		Lab File ID:	F11562.D
Dilution:	1.0			Initial Weight/Volume:	30.17 g
Date Analyzed:	09/03/2008 2054			Final Weight/Volume:	1.0 mL
Date Prepared:	09/03/2008 1410			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		100		3.7

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	39	X	50 - 150

Analytical Data

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-31 0-2'

Lab Sample ID:	360-18467-17			Date Sampled:	08/28/2008 1419
Client Matrix:	Solid	% Moisture:	7.6	Date Received:	08/29/2008 1130

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-35908		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-35867		Lab File ID:	F11608.D
Dilution:	1.0			Initial Weight/Volume:	30.38 g
Date Analyzed:	09/05/2008 1536			Final Weight/Volume:	1.0 mL
Date Prepared:	09/05/2008 1111			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (mg/Kg)	Qualifier	RL
C9-C36	67		3.5

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	74	50 - 150

Client: Tighe & Bond

Job Number: 360-18467-1

Client Sample ID: R1-31 2-4'

Lab Sample ID:	360-18467-18			Date Sampled:	08/28/2008 1422
Client Matrix:	Solid	% Moisture:	5.0	Date Received:	08/29/2008 1130

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-35820		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-35785		Lab File ID:	F11564.D
Dilution:	1.0			Initial Weight/Volume:	30.14 g
Date Analyzed:	09/03/2008 2158			Final Weight/Volume:	1.0 mL
Date Prepared:	09/03/2008 1410			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (mg/Kg)	Qualifier	RL
C9-C36	4.6		3.5

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	77	50 - 150

General Chemistry

Client Sample ID: R1-18 0-2'

Lab Sample ID: 360-18467-1
Client Matrix: Solid

Date Sampled: 08/28/2008 1310
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758		Date Analyzed		09/03/2008 0902			
Percent Solids	88		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758		Date Analyzed		09/03/2008 0902			

Client Sample ID: R1-18 2-4'

Lab Sample ID: 360-18467-2
Client Matrix: Solid

Date Sampled: 08/28/2008 1314
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758		Date Analyzed		09/03/2008 0902			
Percent Solids	83		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758		Date Analyzed		09/03/2008 0902			

Client Sample ID: R1-19 0-2'

Lab Sample ID: 360-18467-4
Client Matrix: Solid

Date Sampled: 08/28/2008 1320
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758		Date Analyzed		09/03/2008 0902			
Percent Solids	90		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758		Date Analyzed		09/03/2008 0902			

General Chemistry

Client Sample ID: DUP-3

Lab Sample ID: 360-18467-5 Date Sampled: 08/28/2008 1326
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	87		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-19 2-4'

Lab Sample ID: 360-18467-6 Date Sampled: 08/28/2008 1328
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	81		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-20 0-2'

Lab Sample ID: 360-18467-9 Date Sampled: 08/28/2008 1339
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.3		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	96		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-21 0-2'

Lab Sample ID: 360-18467-12 Date Sampled: 08/28/2008 1353
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.8		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	90		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

General Chemistry

Client Sample ID: R1-21 2-4'

Lab Sample ID: 360-18467-13 Date Sampled: 08/28/2008 1355
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.9		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	90		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-22 0-2'

Lab Sample ID: 360-18467-15 Date Sampled: 08/28/2008 1404
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	88		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-31 0-2'

Lab Sample ID: 360-18467-17 Date Sampled: 08/28/2008 1419
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.6		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	92		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-31 2-4'

Lab Sample ID: 360-18467-18 Date Sampled: 08/28/2008 1422
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.0		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	95		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

General Chemistry

Client Sample ID: R1-27 0-2'

Lab Sample ID: 360-18467-19 Date Sampled: 08/28/2008 1435
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.1		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	92		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-27 2-4'

Lab Sample ID: 360-18467-20 Date Sampled: 08/28/2008 1200
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.7		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	92		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-28 0-2'

Lab Sample ID: 360-18467-21 Date Sampled: 08/28/2008 1441
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.8		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	90		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-28 2-4'

Lab Sample ID: 360-18467-22 Date Sampled: 08/28/2008 1445
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.3		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	91		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

General Chemistry

Client Sample ID: R1-29 0-2'

Lab Sample ID: 360-18467-25 Date Sampled: 08/28/2008 1459
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.3		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	93		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-29 2-4'

Lab Sample ID: 360-18467-26 Date Sampled: 08/28/2008 1503
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.2		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	93		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-30 0-2'

Lab Sample ID: 360-18467-29 Date Sampled: 08/28/2008 1518
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.4		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	95		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-30 2-4'

Lab Sample ID: 360-18467-30 Date Sampled: 08/28/2008 1520
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.7		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	95		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

DATA REPORTING QUALIFIERS

Client: Tighe & Bond

Job Number: 360-18467-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	E	Result exceeded calibration range, secondary dilution required.
	*	RPD of the LCS and LCSD exceeds the control limits
GC Semi VOA		
	X	Surrogate exceeds the control limits

QUALITY CONTROL RESULTS

Client: Tighe & Bond

Job Number: 360-18467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 220-19649					
LB 220-19649/10-A	TCLP SPLPE Leachate Blank	F	Solid	1312	
360-18467-1	R1-18 0-2'	F	Solid	1312	
360-18467-4	R1-19 0-2'	F	Solid	1312	
360-18467-9	R1-20 0-2'	F	Solid	1312	
360-18467-12	R1-21 0-2'	F	Solid	1312	
360-18467-13	R1-21 2-4'	F	Solid	1312	
360-18467-13DL	R1-21 2-4'	F	Solid	1312	
360-18467-21	R1-28 0-2'	F	Solid	1312	
360-18467-22	R1-28 2-4'	F	Solid	1312	
360-18467-25	R1-29 0-2'	F	Solid	1312	
360-18467-26	R1-29 2-4'	F	Solid	1312	
360-18467-30	R1-30 2-4'	F	Solid	1312	
Analysis Batch:220-19739					
LB 220-19649/10-A	TCLP SPLPE Leachate Blank	F	Solid	8260B	
LCS 220-19739/2	Lab Control Spike	T	Water	8260B	
MB 220-19739/3	Method Blank	T	Water	8260B	
360-18467-1	R1-18 0-2'	F	Solid	8260B	
360-18467-4	R1-19 0-2'	F	Solid	8260B	
360-18467-9	R1-20 0-2'	F	Solid	8260B	
360-18467-12	R1-21 0-2'	F	Solid	8260B	
360-18467-13	R1-21 2-4'	F	Solid	8260B	
360-18467-13DL	R1-21 2-4'	F	Solid	8260B	
360-18467-21	R1-28 0-2'	F	Solid	8260B	
360-18467-22	R1-28 2-4'	F	Solid	8260B	
360-18467-25	R1-29 0-2'	F	Solid	8260B	
360-18467-26	R1-29 2-4'	F	Solid	8260B	
360-18467-30	R1-30 2-4'	F	Solid	8260B	
Analysis Batch:360-35923					
LCS 360-35923/1	Lab Control Spike	T	Solid	8260B	
LCSD 360-35923/2	Lab Control Spike Duplicate	T	Solid	8260B	
MB 360-35923/3	Method Blank	T	Solid	8260B	
360-18467-2	R1-18 2-4'	T	Solid	8260B	360-35929
360-18467-4	R1-19 0-2'	T	Solid	8260B	360-35929
360-18467-6	R1-19 2-4'	T	Solid	8260B	360-35929
360-18467-21	R1-28 0-2'	T	Solid	8260B	360-35929
360-18467-22	R1-28 2-4'	T	Solid	8260B	360-35929
360-18467-25	R1-29 0-2'	T	Solid	8260B	360-35929
360-18467-26	R1-29 2-4'	T	Solid	8260B	360-35929
360-18467-29	R1-30 0-2'	T	Solid	8260B	360-35929
360-18467-30	R1-30 2-4'	T	Solid	8260B	360-35929

Client: Tighe & Bond

Job Number: 360-18467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:360-35924					
LCS 360-35932/1-A	Lab Control Spike	T	Solid	8260B	360-35932
LCSD 360-35932/2-A	Lab Control Spike Duplicate	T	Solid	8260B	360-35932
MB 360-35932/3-A	Method Blank	T	Solid	8260B	360-35932
360-18467-1	R1-18 0-2'	T	Solid	8260B	360-35932
360-18467-9	R1-20 0-2'	T	Solid	8260B	360-35932
360-18467-12	R1-21 0-2'	T	Solid	8260B	360-35932
360-18467-13	R1-21 2-4'	T	Solid	8260B	360-35932
360-18467-19	R1-27 0-2'	T	Solid	8260B	360-35932
360-18467-20	R1-27 2-4'	T	Solid	8260B	360-35932
Prep Batch: 360-35929					
360-18467-2	R1-18 2-4'	T	Solid	5035	
360-18467-4	R1-19 0-2'	T	Solid	5035	
360-18467-6	R1-19 2-4'	T	Solid	5035	
360-18467-21	R1-28 0-2'	T	Solid	5035	
360-18467-22	R1-28 2-4'	T	Solid	5035	
360-18467-25	R1-29 0-2'	T	Solid	5035	
360-18467-26	R1-29 2-4'	T	Solid	5035	
360-18467-29	R1-30 0-2'	T	Solid	5035	
360-18467-30	R1-30 2-4'	T	Solid	5035	
Prep Batch: 360-35932					
LCS 360-35932/1-A	Lab Control Spike	T	Solid	5035	
LCSD 360-35932/2-A	Lab Control Spike Duplicate	T	Solid	5035	
MB 360-35932/3-A	Method Blank	T	Solid	5035	
360-18467-1	R1-18 0-2'	T	Solid	5035	
360-18467-9	R1-20 0-2'	T	Solid	5035	
360-18467-12	R1-21 0-2'	T	Solid	5035	
360-18467-13	R1-21 2-4'	T	Solid	5035	
360-18467-19	R1-27 0-2'	T	Solid	5035	
360-18467-20	R1-27 2-4'	T	Solid	5035	
Prep Batch: 360-35973					
LCS 360-35973/1-A	Lab Control Spike	T	Solid	5035	
LCSD 360-35973/2-A	Lab Control Spike Duplicate	T	Solid	5035	
MB 360-35973/3-A	Method Blank	T	Solid	5035	
360-18467-13	R1-21 2-4'	T	Solid	5035	
360-18467-19	R1-27 0-2'	T	Solid	5035	
360-18467-20	R1-27 2-4'	T	Solid	5035	

Client: Tighe & Bond

Job Number: 360-18467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:360-35976					
LCS 360-35973/1-A	Lab Control Spike	T	Solid	8260B	360-35973
LCSD 360-35973/2-A	Lab Control Spike Duplicate	T	Solid	8260B	360-35973
MB 360-35973/3-A	Method Blank	T	Solid	8260B	360-35973
360-18467-13	R1-21 2-4'	T	Solid	8260B	360-35973
360-18467-19	R1-27 0-2'	T	Solid	8260B	360-35973
360-18467-20	R1-27 2-4'	T	Solid	8260B	360-35973

Report Basis
F = SPLP
T = Total

Client: Tighe & Bond

Job Number: 360-18467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 360-35770					
LCS 360-35770/2-A	Lab Control Spike	T	Solid	3546	
LCSD 360-35770/3-A	Lab Control Spike Duplicate	T	Solid	3546	
MB 360-35770/1-A	Method Blank	T	Solid	3546	
360-18467-1	R1-18 0-2'	T	Solid	3546	
360-18467-2	R1-18 2-4'	T	Solid	3546	
360-18467-4	R1-19 0-2'	T	Solid	3546	
360-18467-5	DUP-3	T	Solid	3546	
360-18467-6	R1-19 2-4'	T	Solid	3546	
360-18467-9	R1-20 0-2'	T	Solid	3546	
360-18467-12	R1-21 0-2'	T	Solid	3546	
360-18467-13	R1-21 2-4'	T	Solid	3546	
360-18467-15	R1-22 0-2'	T	Solid	3546	
360-18467-17	R1-31 0-2'	T	Solid	3546	
360-18467-18	R1-31 2-4'	T	Solid	3546	
Prep Batch: 360-35785					
LCS 360-35785/2-A	Lab Control Spike	T	Solid	3546	
LCSD 360-35785/3-A	Lab Control Spike Duplicate	T	Solid	3546	
MB 360-35785/1-A	Method Blank	T	Solid	3546	
360-18467-15	R1-22 0-2'	T	Solid	3546	
360-18467-18	R1-31 2-4'	T	Solid	3546	
Analysis Batch:360-35811					
LCS 360-35770/2-A	Lab Control Spike	T	Solid	8082	360-35770
LCSD 360-35770/3-A	Lab Control Spike Duplicate	T	Solid	8082	360-35770
MB 360-35770/1-A	Method Blank	T	Solid	8082	360-35770
360-18467-1	R1-18 0-2'	T	Solid	8082	360-35770
360-18467-2	R1-18 2-4'	T	Solid	8082	360-35770
360-18467-4	R1-19 0-2'	T	Solid	8082	360-35770
360-18467-5	DUP-3	T	Solid	8082	360-35770
360-18467-6	R1-19 2-4'	T	Solid	8082	360-35770
360-18467-9	R1-20 0-2'	T	Solid	8082	360-35770
360-18467-12	R1-21 0-2'	T	Solid	8082	360-35770
360-18467-13	R1-21 2-4'	T	Solid	8082	360-35770
360-18467-15	R1-22 0-2'	T	Solid	8082	360-35770
360-18467-17	R1-31 0-2'	T	Solid	8082	360-35770
360-18467-18	R1-31 2-4'	T	Solid	8082	360-35770
Analysis Batch:360-35820					
LCS 360-35785/2-A	Lab Control Spike	T	Solid	CT ETPH	360-35785
LCSD 360-35785/3-A	Lab Control Spike Duplicate	T	Solid	CT ETPH	360-35785
MB 360-35785/1-A	Method Blank	T	Solid	CT ETPH	360-35785
360-18467-15	R1-22 0-2'	T	Solid	CT ETPH	360-35785
360-18467-18	R1-31 2-4'	T	Solid	CT ETPH	360-35785

Client: Tighe & Bond

Job Number: 360-18467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 360-35867					
LCS 360-35867/2-A	Lab Control Spike	T	Solid	3546	
LCSD 360-35867/3-A	Lab Control Spike Duplicate	T	Solid	3546	
MB 360-35867/1-A	Method Blank	T	Solid	3546	
360-18467-12	R1-21 0-2'	T	Solid	3546	
360-18467-13	R1-21 2-4'	T	Solid	3546	
360-18467-17	R1-31 0-2'	T	Solid	3546	
Analysis Batch:360-35908					
LCS 360-35867/2-A	Lab Control Spike	T	Solid	CT ETPH	360-35867
LCSD 360-35867/3-A	Lab Control Spike Duplicate	T	Solid	CT ETPH	360-35867
MB 360-35867/1-A	Method Blank	T	Solid	CT ETPH	360-35867
360-18467-12	R1-21 0-2'	T	Solid	CT ETPH	360-35867
360-18467-13	R1-21 2-4'	T	Solid	CT ETPH	360-35867
360-18467-17	R1-31 0-2'	T	Solid	CT ETPH	360-35867

Report Basis
T = Total

General Chemistry					
Analysis Batch:360-35758					
360-18467-1	R1-18 0-2'	T	Solid	PercentMoisture	
360-18467-2	R1-18 2-4'	T	Solid	PercentMoisture	
360-18467-4	R1-19 0-2'	T	Solid	PercentMoisture	
360-18467-5	DUP-3	T	Solid	PercentMoisture	
360-18467-6	R1-19 2-4'	T	Solid	PercentMoisture	
360-18467-9	R1-20 0-2'	T	Solid	PercentMoisture	
360-18467-12	R1-21 0-2'	T	Solid	PercentMoisture	
360-18467-13	R1-21 2-4'	T	Solid	PercentMoisture	
360-18467-15	R1-22 0-2'	T	Solid	PercentMoisture	
360-18467-17	R1-31 0-2'	T	Solid	PercentMoisture	
360-18467-18	R1-31 2-4'	T	Solid	PercentMoisture	
360-18467-19	R1-27 0-2'	T	Solid	PercentMoisture	
360-18467-20	R1-27 2-4'	T	Solid	PercentMoisture	
360-18467-21	R1-28 0-2'	T	Solid	PercentMoisture	
360-18467-21DU	Duplicate	T	Solid	PercentMoisture	
360-18467-22	R1-28 2-4'	T	Solid	PercentMoisture	
360-18467-25	R1-29 0-2'	T	Solid	PercentMoisture	
360-18467-26	R1-29 2-4'	T	Solid	PercentMoisture	
360-18467-29	R1-30 0-2'	T	Solid	PercentMoisture	
360-18467-30	R1-30 2-4'	T	Solid	PercentMoisture	

Report Basis
T = Total

Client: Tighe & Bond

Job Number: 360-18467-1

Method Blank - Batch: 220-19739

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-19739/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/05/2008 1257
Date Prepared: 09/05/2008 1257

Analysis Batch: 220-19739
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7567.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloromethane	ND		5.0
Vinyl chloride	ND		5.0
Bromomethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Carbon disulfide	ND		5.0
Acetone	ND		10
Methylene Chloride	ND		5.0
1,1-Dichloroethane	ND		5.0
Methyl Ethyl Ketone	ND		10
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Bromodichloromethane	ND		5.0
methyl isobutyl ketone	ND		10
Toluene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Dibromochloromethane	ND		5.0
Chlorobenzene	ND		5.0
Ethylbenzene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
Acrylonitrile	ND		10
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dibromoethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methyl tert-butyl ether	ND		5.0
Isopropylbenzene	ND		5.0

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

Client: Tighe & Bond

Job Number: 360-18467-1

Method Blank - Batch: 220-19739

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-19739/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/05/2008 1257
Date Prepared: 09/05/2008 1257

Analysis Batch: 220-19739
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7567.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
N-Propylbenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
trans-1,4-Dichloro-2-butene	ND		10
Acrolein	ND		25
Acetonitrile	ND		50
1,3-Dichloropropane	ND		5.0
Xylenes, Total	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,2-Dichloroethene, Total	ND		5.0
m&p-Xylene	ND		5.0
o-Xylene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Tetrahydrofuran	ND		10
Dichlorodifluoromethane	ND		5.0
Chloroethane	ND		5.0
Hexachlorobutadiene	ND		5.0
Dibromomethane	ND		5.0
1,1-Dichloropropene	ND		5.0
Naphthalene	ND		5.0
Bromobenzene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
2-Hexanone	ND		10
2,2-Dichloropropane	ND		5.0
1,2,3-Trichloropropane	ND		5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	53 - 125
4-Bromofluorobenzene	87	73 - 127
Dibromofluoromethane	93	54 - 137
Toluene-d8 (Surr)	93	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18467-1

TCLP SPLPE Leachate Blank - Batch: 220-19739

Method: 8260B
Preparation: 5030B
SPLP

Lab Sample ID: LB 220-19649/10-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1353
Date Prepared: 09/05/2008 1353
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Prep Batch: N/A
Units: ug/L

Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7568.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloromethane	ND		5.0
Vinyl chloride	ND		5.0
Bromomethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Carbon disulfide	ND		5.0
Acetone	ND		10
Methylene Chloride	ND		5.0
1,1-Dichloroethane	ND		5.0
Methyl Ethyl Ketone	ND		10
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Bromodichloromethane	ND		5.0
methyl isobutyl ketone	ND		10
Toluene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Dibromochloromethane	ND		5.0
Chlorobenzene	ND		5.0
Ethylbenzene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
Acrylonitrile	ND		10
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dibromoethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methyl tert-butyl ether	ND		5.0
Isopropylbenzene	ND		5.0

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

Client: Tighe & Bond

Job Number: 360-18467-1

TCLP SPLPE Leachate Blank - Batch: 220-19739

Method: 8260B
Preparation: 5030B
SPLP

Lab Sample ID: LB 220-19649/10-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1353
Date Prepared: 09/05/2008 1353
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19739
Prep Batch: N/A
Units: ug/L

Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7568.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
N-Propylbenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
trans-1,4-Dichloro-2-butene	ND		10
Acrolein	ND		25
Acetonitrile	ND		50
1,3-Dichloropropane	ND		5.0
Xylenes, Total	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,2-Dichloroethene, Total	ND		5.0
m&p-Xylene	ND		5.0
o-Xylene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Tetrahydrofuran	ND		10
Dichlorodifluoromethane	ND		5.0
Chloroethane	ND		5.0
Hexachlorobutadiene	ND		5.0
Dibromomethane	ND		5.0
1,1-Dichloropropene	ND		5.0
Naphthalene	ND		5.0
Bromobenzene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
2-Hexanone	ND		10
2,2-Dichloropropane	ND		5.0
1,2,3-Trichloropropane	ND		5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	53 - 125
4-Bromofluorobenzene	87	73 - 127
Dibromofluoromethane	99	54 - 137
Toluene-d8 (Surr)	94	63 - 121

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

Quality Control Results

Client: Tighe & Bond

Job Number: 360-18467-1

Lab Control Spike - Batch: 220-19739

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-19739/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/05/2008 1125
Date Prepared: 09/05/2008 1125

Analysis Batch: 220-19739
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7565.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	10.0	6.82	68	43 - 134	
Vinyl chloride	10.0	6.80	68	51 - 139	
Bromomethane	10.0	6.85	68	27 - 171	
1,1-Dichloroethene	10.0	9.37	94	57 - 137	
Carbon disulfide	10.0	11.0	110	44 - 142	
Acetone	10.0	13.6	136	18 - 263	
Methylene Chloride	10.0	9.78	98	61 - 129	
1,1-Dichloroethane	10.0	10.3	103	67 - 121	
Methyl Ethyl Ketone	10.0	13.5	135	30 - 222	
Chloroform	10.0	10.8	108	70 - 124	
1,1,1-Trichloroethane	10.0	10.7	107	60 - 128	
Carbon tetrachloride	10.0	10.6	106	56 - 131	
Benzene	10.0	10.4	104	68 - 126	
1,2-Dichloroethane	10.0	10.5	105	68 - 124	
Trichloroethene	10.0	10.6	106	58 - 125	
1,2-Dichloropropane	10.0	10.6	106	69 - 122	
Bromodichloromethane	10.0	10.8	108	67 - 118	
methyl isobutyl ketone	10.0	10.6	106	61 - 140	
Toluene	10.0	10.7	107	70 - 116	
1,1,2-Trichloroethane	10.0	10.4	104	70 - 119	
Tetrachloroethene	10.0	10.7	107	62 - 118	
Dibromochloromethane	10.0	11.1	111	65 - 114	
Chlorobenzene	10.0	10.4	104	71 - 114	
Ethylbenzene	10.0	10.9	109	71 - 115	
Styrene	10.0	9.80	98	69 - 112	
Bromoform	10.0	10.4	104	63 - 115	
1,1,2,2-Tetrachloroethane	10.0	10.3	103	66 - 129	
cis-1,2-Dichloroethene	10.0	10.2	102	65 - 120	
trans-1,2-Dichloroethene	10.0	9.79	98	57 - 129	
Xylenes, Total	30.0	31.9	106	66 - 118	
cis-1,3-Dichloropropene	10.0	10.6	106	60 - 122	
trans-1,3-Dichloropropene	10.0	10.2	102	55 - 126	
Tetrahydrofuran	20.0	19.7	98	70 - 130	
Dichlorodifluoromethane	10.0	9.12	91	70 - 130	
Chloroethane	10.0	7.51	75	53 - 167	
Hexachlorobutadiene	10.0	8.84	88	70 - 130	
Dibromomethane	10.0	10.2	102	70 - 130	
1,1-Dichloropropene	10.0	10.4	104	70 - 130	
Naphthalene	10.0	10.0	100	70 - 130	
Bromobenzene	10.0	10.5	105	70 - 130	
1,2,3-Trichlorobenzene	10.0	10.2	102	70 - 130	

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

Quality Control Results

Client: Tighe & Bond

Job Number: 360-18467-1

Lab Control Spike - Batch: 220-19739

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-19739/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/05/2008 1125
Date Prepared: 09/05/2008 1125

Analysis Batch: 220-19739
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7565.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Hexanone	10.0	10.4	104	54 - 179	
2,2-Dichloropropane	10.0	12.0	120	70 - 130	
1,2,3-Trichloropropane	10.0	10.2	102	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	53 - 125
4-Bromofluorobenzene	86	73 - 127
Dibromofluoromethane	92	54 - 137
Toluene-d8 (Surr)	91	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18467-1

Method Blank - Batch: 360-35923

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 360-35923/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1121
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39997.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Acetone	ND		250
Acrylonitrile	ND		2.5
Benzene	ND		2.5
Bromobenzene	ND		2.5
n-Butylbenzene	ND		2.5
sec-Butylbenzene	ND		2.5
tert-Butylbenzene	ND		2.5
Dichlorobromomethane	ND		2.5
Bromoform	ND		2.5
Bromomethane	ND		5.0
2-Butanone (MEK)	ND		25
Carbon disulfide	ND		2.5
Carbon tetrachloride	ND		2.5
Chlorobenzene	ND		2.5
Chloroethane	ND		5.0
Chloroform	ND		2.5
Chloromethane	ND		5.0
2-Chlorotoluene	ND		2.5
4-Chlorotoluene	ND		2.5
Chlorodibromomethane	ND		2.5
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		2.5
1,2-Dichlorobenzene	ND		2.5
1,3-Dichlorobenzene	ND		2.5
1,4-Dichlorobenzene	ND		2.5
Dichlorodifluoromethane	ND		5.0
1,1-Dichloroethene	ND		2.5
1,1-Dichloroethane	ND		2.5
1,2-Dichloroethane	ND		2.5
cis-1,2-Dichloroethene	ND		2.5
1,2-Dichloropropane	ND		2.5
1,3-Dichloropropane	ND		2.5
2,2-Dichloropropane	ND		2.5
1,1-Dichloropropene	ND		2.5
cis-1,3-Dichloropropene	ND		2.5
trans-1,3-Dichloropropene	ND		2.5
Ethylbenzene	ND		2.5
Hexachlorobutadiene	ND		2.5
2-Hexanone	52		25
Isopropylbenzene	ND		2.5
4-Isopropyltoluene	ND		2.5

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

Client: Tighe & Bond

Job Number: 360-18467-1

Method Blank - Batch: 360-35923

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 360-35923/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1121
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39997.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	35		25
Methyl tert-butyl ether	ND		2.5
Naphthalene	ND		25
N-Propylbenzene	ND		2.5
Styrene	ND		2.5
1,1,1,2-Tetrachloroethane	ND		2.5
1,1,2,2-Tetrachloroethane	ND		2.5
Tetrachloroethene	ND		2.5
Tetrahydrofuran	ND		25
Toluene	ND		2.5
1,2,3-Trichlorobenzene	ND		2.5
1,2,4-Trichlorobenzene	ND		2.5
1,1,1-Trichloroethane	ND		2.5
1,1,2-Trichloroethane	ND		2.5
Trichloroethene	ND		2.5
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12
1,2,4-Trimethylbenzene	ND		2.5
1,3,5-Trimethylbenzene	ND		2.5
Vinyl chloride	ND		2.5
Ethylene Dibromide	ND		2.5
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		2.5
m-Xylene & p-Xylene	ND		5.0
o-Xylene	ND		2.5

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	106	70 - 130
Dibromofluoromethane	90	70 - 130
Toluene-d8 (Surr)	99	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18467-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35923

Method: 8260B
Preparation: N/A

LCS Lab Sample ID: LCS 360-35923/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1009
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39994.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 360-35923/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1033
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39995.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	107	86	70 - 130	22	25		
Acrylonitrile	93	95	70 - 130	2	25		
Benzene	97	90	70 - 130	8	25		
Bromobenzene	91	81	70 - 130	12	25		
n-Butylbenzene	106	97	70 - 130	8	25		
sec-Butylbenzene	98	88	70 - 130	11	25		
tert-Butylbenzene	92	83	70 - 130	10	25		
Dichlorobromomethane	93	86	70 - 130	8	25		
Bromoform	91	83	70 - 130	9	25		
Bromomethane	126	122	70 - 130	4	25		
2-Butanone (MEK)	115	93	70 - 130	22	25		
Carbon disulfide	109	100	70 - 130	8	25		
Carbon tetrachloride	83	75	70 - 130	10	25		
Chlorobenzene	97	89	70 - 130	8	25		
Chloroethane	117	110	70 - 130	6	25		
Chloroform	91	84	70 - 130	7	25		
Chloromethane	110	106	70 - 130	4	25		
2-Chlorotoluene	100	90	70 - 130	10	25		
4-Chlorotoluene	101	89	70 - 130	12	25		
Chlorodibromomethane	79	74	70 - 130	7	25		
1,2-Dibromo-3-Chloropropane	88	81	70 - 130	8	25		
Dibromomethane	92	84	70 - 130	9	25		
1,2-Dichlorobenzene	90	82	70 - 130	9	25		
1,3-Dichlorobenzene	91	80	70 - 130	13	25		
1,4-Dichlorobenzene	92	84	70 - 130	9	25		
Dichlorodifluoromethane	107	101	70 - 130	5	25		
1,1-Dichloroethene	93	85	70 - 130	10	25		
1,1-Dichloroethane	99	91	70 - 130	8	25		
1,2-Dichloroethane	89	80	70 - 130	10	25		
cis-1,2-Dichloroethene	95	88	70 - 130	8	25		
1,2-Dichloropropane	105	97	70 - 130	8	25		
1,3-Dichloropropane	99	92	70 - 130	7	25		

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

Client: Tighe & Bond

Job Number: 360-18467-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35923

Method: 8260B
Preparation: N/A

LCS Lab Sample ID: LCS 360-35923/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1009
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39994.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 360-35923/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1033
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39995.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,2-Dichloropropane	90	81	70 - 130	11	25		
1,1-Dichloropropene	98	90	70 - 130	8	25		
cis-1,3-Dichloropropene	100	94	70 - 130	6	25		
trans-1,3-Dichloropropene	96	90	70 - 130	7	25		
Ethylbenzene	102	94	70 - 130	7	25		
Hexachlorobutadiene	95	86	70 - 130	10	25		
2-Hexanone	124	103	70 - 130	18	25		
Isopropylbenzene	96	87	70 - 130	10	25		
4-Isopropyltoluene	96	85	70 - 130	12	25		
Methylene Chloride	89	81	70 - 130	9	25		
4-Methyl-2-pentanone (MIBK)	118	99	70 - 130	17	25		
Methyl tert-butyl ether	96	85	70 - 130	12	25		
Naphthalene	89	79	70 - 130	13	25		
N-Propylbenzene	106	96	70 - 130	9	25		
Styrene	96	89	70 - 130	8	25		
1,1,1,2-Tetrachloroethane	90	81	70 - 130	11	25		
1,1,2,2-Tetrachloroethane	103	93	70 - 130	10	25		
Tetrachloroethene	93	87	70 - 130	6	25		
Tetrahydrofuran	106	95	70 - 130	12	25		
Toluene	97	90	70 - 130	7	25		
1,2,3-Trichlorobenzene	94	84	70 - 130	11	25		
1,2,4-Trichlorobenzene	95	85	70 - 130	11	25		
1,1,1-Trichloroethane	89	81	70 - 130	9	25		
1,1,2-Trichloroethane	92	85	70 - 130	8	25		
Trichloroethene	84	78	70 - 130	8	25		
Trichlorofluoromethane	81	78	70 - 130	3	25		
1,2,3-Trichloropropane	98	88	70 - 130	11	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	89	93	70 - 130	4	25		
1,2,4-Trimethylbenzene	95	85	70 - 130	12	25		
1,3,5-Trimethylbenzene	96	86	70 - 130	11	25		
Vinyl chloride	123	118	70 - 130	3	25		
Ethylene Dibromide	92	85	70 - 130	8	25		

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

Client: Tighe & Bond

Job Number: 360-18467-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35923

Method: 8260B
Preparation: N/A

LCS Lab Sample ID: LCS 360-35923/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1009
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39994.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 360-35923/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1033
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39995.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
trans-1,4-Dichloro-2-butene	85	82	70 - 130	3	25		
trans-1,2-Dichloroethene	97	91	70 - 130	7	25		
m-Xylene & p-Xylene	103	95	70 - 130	8	25		
o-Xylene	100	91	70 - 130	9	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	105	102	70 - 130
Dibromofluoromethane	90	90	70 - 130
Toluene-d8 (Surr)	101	101	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18467-1

Method Blank - Batch: 360-35932

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 360-35932/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 2151
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40023.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	RL
Acetone	ND		250
Acrylonitrile	ND		2.5
Benzene	ND		2.5
Bromobenzene	ND		2.5
n-Butylbenzene	ND		2.5
sec-Butylbenzene	ND		2.5
tert-Butylbenzene	ND		2.5
Dichlorobromomethane	ND		2.5
Bromoform	ND		2.5
Bromomethane	ND		5.0
2-Butanone (MEK)	ND		25
Carbon disulfide	ND		2.5
Carbon tetrachloride	ND		2.5
Chlorobenzene	ND		2.5
Chloroethane	ND		5.0
Chloroform	ND		2.5
Chloromethane	ND		5.0
2-Chlorotoluene	ND		2.5
4-Chlorotoluene	ND		2.5
Chlorodibromomethane	ND		2.5
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		2.5
1,2-Dichlorobenzene	ND		2.5
1,3-Dichlorobenzene	ND		2.5
1,4-Dichlorobenzene	ND		2.5
Dichlorodifluoromethane	ND		5.0
1,1-Dichloroethene	ND		2.5
1,1-Dichloroethane	ND		2.5
1,2-Dichloroethane	ND		2.5
cis-1,2-Dichloroethene	ND		2.5
1,2-Dichloropropane	ND		2.5
1,3-Dichloropropane	ND		2.5
2,2-Dichloropropane	ND		2.5
1,1-Dichloropropene	ND		2.5
cis-1,3-Dichloropropene	ND		2.5
trans-1,3-Dichloropropene	ND		2.5
Ethylbenzene	ND		2.5
Hexachlorobutadiene	ND		2.5
2-Hexanone	56		25
Isopropylbenzene	ND		2.5
4-Isopropyltoluene	ND		2.5

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

Client: Tighe & Bond

Job Number: 360-18467-1

Method Blank - Batch: 360-35932

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 360-35932/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 2151
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40023.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	RL
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	36		25
Methyl tert-butyl ether	ND		2.5
Naphthalene	ND		25
N-Propylbenzene	ND		2.5
Styrene	ND		2.5
1,1,1,2-Tetrachloroethane	ND		2.5
1,1,2,2-Tetrachloroethane	ND		2.5
Tetrachloroethene	ND		2.5
Tetrahydrofuran	ND		25
Toluene	ND		2.5
1,2,3-Trichlorobenzene	ND		2.5
1,2,4-Trichlorobenzene	ND		2.5
1,1,1-Trichloroethane	ND		2.5
1,1,2-Trichloroethane	ND		2.5
Trichloroethene	ND		2.5
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12
1,2,4-Trimethylbenzene	ND		2.5
1,3,5-Trimethylbenzene	ND		2.5
Vinyl chloride	ND		2.5
Ethylene Dibromide	ND		2.5
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		2.5
m-Xylene & p-Xylene	ND		5.0
o-Xylene	ND		2.5

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	114	70 - 130
Dibromofluoromethane	89	70 - 130
Toluene-d8 (Surr)	99	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18467-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35932

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-35932/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 2039
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40020.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-35932/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 2103
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40021.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	174	160	70 - 130	8	25	*	*
Acrylonitrile	100	96	70 - 130	4	25		
Benzene	103	103	70 - 130	1	25		
Bromobenzene	93	92	70 - 130	1	25		
n-Butylbenzene	111	112	70 - 130	1	25		
sec-Butylbenzene	103	102	70 - 130	2	25		
tert-Butylbenzene	95	94	70 - 130	1	25		
Dichlorobromomethane	97	96	70 - 130	2	25		
Bromoform	90	89	70 - 130	1	25		
Bromomethane	114	113	70 - 130	1	25		
2-Butanone (MEK)	138	130	70 - 130	6	25	*	
Carbon disulfide	108	107	70 - 130	1	25		
Carbon tetrachloride	81	80	70 - 130	1	25		
Chlorobenzene	102	101	70 - 130	0	25		
Chloroethane	107	107	70 - 130	1	25		
Chloroform	94	93	70 - 130	1	25		
Chloromethane	106	105	70 - 130	1	25		
2-Chlorotoluene	109	107	70 - 130	2	25		
4-Chlorotoluene	107	105	70 - 130	2	25		
Chlorodibromomethane	77	76	70 - 130	1	25		
1,2-Dibromo-3-Chloropropane	96	91	70 - 130	5	25		
Dibromomethane	95	92	70 - 130	3	25		
1,2-Dichlorobenzene	92	91	70 - 130	1	25		
1,3-Dichlorobenzene	92	90	70 - 130	3	25		
1,4-Dichlorobenzene	91	91	70 - 130	0	25		
Dichlorodifluoromethane	85	85	70 - 130	1	25		
1,1-Dichloroethene	100	99	70 - 130	1	25		
1,1-Dichloroethane	103	101	70 - 130	1	25		
1,2-Dichloroethane	94	91	70 - 130	4	25		
cis-1,2-Dichloroethene	100	99	70 - 130	1	25		
1,2-Dichloropropane	111	108	70 - 130	2	25		
1,3-Dichloropropane	106	102	70 - 130	3	25		

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

Client: Tighe & Bond

Job Number: 360-18467-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35932

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-35932/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 2039
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40020.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-35932/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 2103
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40021.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,2-Dichloropropane	89	87	70 - 130	2	25		
1,1-Dichloropropene	100	100	70 - 130	1	25		
cis-1,3-Dichloropropene	106	104	70 - 130	2	25		
trans-1,3-Dichloropropene	102	100	70 - 130	2	25		
Ethylbenzene	112	110	70 - 130	2	25		
Hexachlorobutadiene	104	106	70 - 130	1	25		
2-Hexanone	133	129	70 - 130	3	25	*	
Isopropylbenzene	105	104	70 - 130	1	25		
4-Isopropyltoluene	95	94	70 - 130	1	25		
Methylene Chloride	100	99	70 - 130	1	25		
4-Methyl-2-pentanone (MIBK)	110	108	70 - 130	2	25		
Methyl tert-butyl ether	98	93	70 - 130	4	25		
Naphthalene	92	90	70 - 130	1	25		
N-Propylbenzene	111	111	70 - 130	0	25		
Styrene	105	103	70 - 130	1	25		
1,1,1,2-Tetrachloroethane	89	87	70 - 130	1	25		
1,1,2,2-Tetrachloroethane	103	103	70 - 130	0	25		
Tetrachloroethene	90	89	70 - 130	1	25		
Tetrahydrofuran	103	101	70 - 130	2	25		
Toluene	103	102	70 - 130	1	25		
1,2,3-Trichlorobenzene	101	102	70 - 130	1	25		
1,2,4-Trichlorobenzene	101	101	70 - 130	0	25		
1,1,1-Trichloroethane	88	87	70 - 130	1	25		
1,1,2-Trichloroethane	95	94	70 - 130	1	25		
Trichloroethene	81	81	70 - 130	0	25		
Trichlorofluoromethane	84	84	70 - 130	0	25		
1,2,3-Trichloropropane	93	89	70 - 130	4	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	91	92	70 - 130	0	25		
1,2,4-Trimethylbenzene	102	100	70 - 130	2	25		
1,3,5-Trimethylbenzene	103	100	70 - 130	2	25		
Vinyl chloride	108	108	70 - 130	0	25		
Ethylene Dibromide	92	91	70 - 130	1	25		

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

Client: Tighe & Bond

Job Number: 360-18467-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35932

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-35932/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 2039
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40020.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-35932/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 2103
Date Prepared: 09/04/2008 1155

Analysis Batch: 360-35924
Prep Batch: 360-35932
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40021.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
trans-1,4-Dichloro-2-butene	91	85	70 - 130	6	25		
trans-1,2-Dichloroethene	101	100	70 - 130	1	25		
m-Xylene & p-Xylene	111	110	70 - 130	1	25		
o-Xylene	109	108	70 - 130	0	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	109	107	70 - 130
Dibromofluoromethane	88	87	70 - 130
Toluene-d8 (Surr)	103	102	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18467-1

Method Blank - Batch: 360-35973

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 360-35973/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2008 1952
Date Prepared: 09/04/2008 1017

Analysis Batch: 360-35976
Prep Batch: 360-35973
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40052.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	MDL	RL
Acetone	ND		900	12000
Acrylonitrile	ND		82	120
Benzene	ND		50	120
Bromobenzene	ND		50	120
n-Butylbenzene	ND		50	120
sec-Butylbenzene	ND		50	120
tert-Butylbenzene	ND		50	120
Dichlorobromomethane	ND		50	120
Bromoform	ND		50	120
Bromomethane	ND		50	250
2-Butanone (MEK)	ND		340	1200
Carbon disulfide	ND		50	120
Carbon tetrachloride	ND		50	120
Chlorobenzene	ND		50	120
Chloroethane	ND		50	250
Chloroform	ND		50	120
Chloromethane	ND		50	250
2-Chlorotoluene	ND		50	120
4-Chlorotoluene	ND		50	120
Chlorodibromomethane	ND		50	120
1,2-Dibromo-3-Chloropropane	ND		90	250
Dibromomethane	ND		50	120
1,2-Dichlorobenzene	ND		50	120
1,3-Dichlorobenzene	ND		50	120
1,4-Dichlorobenzene	ND		50	120
Dichlorodifluoromethane	ND		50	250
1,1-Dichloroethene	ND		50	120
1,1-Dichloroethane	ND		50	120
1,2-Dichloroethane	ND		50	120
cis-1,2-Dichloroethene	ND		50	120
1,2-Dichloropropane	ND		50	120
1,3-Dichloropropane	ND		50	120
2,2-Dichloropropane	ND		50	120
1,1-Dichloropropene	ND		50	120
cis-1,3-Dichloropropene	ND		50	120
trans-1,3-Dichloropropene	ND		50	120
Ethylbenzene	ND		50	120
Hexachlorobutadiene	ND		50	120
2-Hexanone	1300		260	1200
Isopropylbenzene	ND		50	120
4-Isopropyltoluene	ND		50	120

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

Client: Tighe & Bond

Job Number: 360-18467-1

Method Blank - Batch: 360-35973

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 360-35973/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2008 1952
Date Prepared: 09/04/2008 1017

Analysis Batch: 360-35976
Prep Batch: 360-35973
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40052.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	MDL	RL
Methylene Chloride	ND		240	250
4-Methyl-2-pentanone (MIBK)	ND		260	1200
Methyl tert-butyl ether	ND		50	120
Naphthalene	ND		50	1200
N-Propylbenzene	ND		50	120
Styrene	ND		50	120
1,1,1,2-Tetrachloroethane	ND		50	120
1,1,2,2-Tetrachloroethane	ND		50	120
Tetrachloroethene	ND		50	120
Tetrahydrofuran	ND		280	1200
Toluene	ND		50	120
1,2,3-Trichlorobenzene	ND		50	120
1,2,4-Trichlorobenzene	ND		50	120
1,1,1-Trichloroethane	ND		50	120
1,1,2-Trichloroethane	ND		50	120
Trichloroethene	ND		50	120
Trichlorofluoromethane	ND		50	250
1,2,3-Trichloropropane	ND		74	120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	620
1,2,4-Trimethylbenzene	ND		50	120
1,3,5-Trimethylbenzene	ND		50	120
Vinyl chloride	ND		50	120
Ethylene Dibromide	ND		50	120
trans-1,4-Dichloro-2-butene	ND		50	250
trans-1,2-Dichloroethene	ND		50	120
m-Xylene & p-Xylene	ND		50	250
o-Xylene	ND		50	120

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	112	70 - 130
Dibromofluoromethane	91	70 - 130
Toluene-d8 (Surr)	98	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18467-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35973

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-35973/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2008 1815
Date Prepared: 09/04/2008 1017

Analysis Batch: 360-35976
Prep Batch: 360-35973
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40048.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-35973/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2008 1839
Date Prepared: 09/04/2008 1017

Analysis Batch: 360-35976
Prep Batch: 360-35973
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40049.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	105	100	70 - 130	5	25		
Acrylonitrile	108	102	70 - 130	6	25		
Benzene	97	128	70 - 130	28	25		*
Bromobenzene	91	117	70 - 130	24	25		
n-Butylbenzene	103	141	70 - 130	32	25		*
sec-Butylbenzene	96	124	70 - 130	26	25		*
tert-Butylbenzene	90	118	70 - 130	27	25		*
Dichlorobromomethane	95	125	70 - 130	28	25		*
Bromoform	89	121	70 - 130	31	25		*
Bromomethane	115	124	70 - 130	8	25		
2-Butanone (MEK)	123	116	70 - 130	6	25		
Carbon disulfide	97	129	70 - 130	28	25		*
Carbon tetrachloride	77	106	70 - 130	32	25		*
Chlorobenzene	96	127	70 - 130	28	25		*
Chloroethane	93	96	70 - 130	4	25		
Chloroform	90	120	70 - 130	28	25		*
Chloromethane	110	117	70 - 130	6	25		
2-Chlorotoluene	101	130	70 - 130	25	25		
4-Chlorotoluene	102	131	70 - 130	25	25		*
Chlorodibromomethane	82	107	70 - 130	26	25		*
1,2-Dibromo-3-Chloropropane	93	121	70 - 130	25	25		
Dibromomethane	93	121	70 - 130	26	25		*
1,2-Dichlorobenzene	87	119	70 - 130	31	25		*
1,3-Dichlorobenzene	92	116	70 - 130	23	25		
1,4-Dichlorobenzene	91	125	70 - 130	32	25		*
Dichlorodifluoromethane	101	104	70 - 130	4	25		
1,1-Dichloroethene	84	113	70 - 130	29	25		*
1,1-Dichloroethane	98	130	70 - 130	28	25		*
1,2-Dichloroethane	91	119	70 - 130	26	25		*
cis-1,2-Dichloroethene	95	126	70 - 130	28	25		*
1,2-Dichloropropane	110	141	70 - 130	24	25		*
1,3-Dichloropropane	103	133	70 - 130	26	25		*

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

Client: Tighe & Bond

Job Number: 360-18467-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35973

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-35973/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2008 1815
Date Prepared: 09/04/2008 1017

Analysis Batch: 360-35976
Prep Batch: 360-35973
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40048.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-35973/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2008 1839
Date Prepared: 09/04/2008 1017

Analysis Batch: 360-35976
Prep Batch: 360-35973
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40049.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,2-Dichloropropane	88	114	70 - 130	27	25		*
1,1-Dichloropropene	93	125	70 - 130	29	25		*
cis-1,3-Dichloropropene	102	135	70 - 130	27	25		*
trans-1,3-Dichloropropene	100	130	70 - 130	26	25		*
Ethylbenzene	100	133	70 - 130	29	25		*
Hexachlorobutadiene	94	129	70 - 130	32	25		*
2-Hexanone	137	128	70 - 130	7	25	*	
Isopropylbenzene	94	124	70 - 130	27	25		*
4-Isopropyltoluene	94	122	70 - 130	26	25		*
Methylene Chloride	87	115	70 - 130	28	25		*
4-Methyl-2-pentanone (MIBK)	129	121	70 - 130	6	25		
Methyl tert-butyl ether	99	122	70 - 130	20	25		
Naphthalene	93	119	70 - 130	25	25		
N-Propylbenzene	105	136	70 - 130	26	25		*
Styrene	97	126	70 - 130	26	25		*
1,1,1,2-Tetrachloroethane	88	116	70 - 130	28	25		*
1,1,2,2-Tetrachloroethane	103	139	70 - 130	29	25		*
Tetrachloroethene	89	120	70 - 130	30	25		*
Tetrahydrofuran	114	140	70 - 130	20	25		*
Toluene	97	130	70 - 130	29	25		*
1,2,3-Trichlorobenzene	101	130	70 - 130	26	25		*
1,2,4-Trichlorobenzene	99	131	70 - 130	27	25		*
1,1,1-Trichloroethane	85	112	70 - 130	28	25		*
1,1,2-Trichloroethane	97	124	70 - 130	25	25		
Trichloroethene	83	111	70 - 130	29	25		*
Trichlorofluoromethane	81	85	70 - 130	5	25		
1,2,3-Trichloropropane	104	127	70 - 130	20	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	101	99	70 - 130	2	25		
1,2,4-Trimethylbenzene	96	123	70 - 130	25	25		
1,3,5-Trimethylbenzene	96	124	70 - 130	26	25		*
Vinyl chloride	126	135	70 - 130	6	25		*
Ethylene Dibromide	93	122	70 - 130	27	25		*

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

Client: Tighe & Bond

Job Number: 360-18467-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35973

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-35973/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2008 1815
Date Prepared: 09/04/2008 1017

Analysis Batch: 360-35976
Prep Batch: 360-35973
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40048.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-35973/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2008 1839
Date Prepared: 09/04/2008 1017

Analysis Batch: 360-35976
Prep Batch: 360-35973
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40049.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
trans-1,4-Dichloro-2-butene	102	95	70 - 130	8	25		
trans-1,2-Dichloroethene	95	126	70 - 130	28	25		*
m-Xylene & p-Xylene	102	134	70 - 130	27	25		*
o-Xylene	100	131	70 - 130	26	25		*

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	108	102	70 - 130
Dibromofluoromethane	91	89	70 - 130
Toluene-d8 (Surr)	103	102	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18467-1

Method Blank - Batch: 360-35770

Method: 8082
Preparation: 3546

Lab Sample ID: MB 360-35770/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1849
Date Prepared: 09/03/2008 1130

Analysis Batch: 360-35811
Prep Batch: 360-35770
Units: ug/Kg

Instrument ID: 5890II GC w/ dual ECDs
Lab File ID: H2776.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 1.0 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	104	30 - 150
Tetrachloro-m-xylene	96	30 - 150

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

Client: Tighe & Bond

Job Number: 360-18467-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35770

Method: 8082
Preparation: 3546

LCS Lab Sample ID: LCS 360-35770/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1910
Date Prepared: 09/03/2008 1130

Analysis Batch: 360-35811
Prep Batch: 360-35770
Units: ug/Kg

Instrument ID: 5890II GC w/ dual ECDs
Lab File ID: H2777.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 360-35770/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1931
Date Prepared: 09/03/2008 1130

Analysis Batch: 360-35811
Prep Batch: 360-35770
Units: ug/Kg

Instrument ID: 5890II GC w/ dual ECDs
Lab File ID: H2778.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	103	99	40 - 140	4	30		
PCB-1260	120	114	40 - 140	5	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	123	117	30 - 150
Tetrachloro-m-xylene	111	107	30 - 150

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

Client: Tighe & Bond

Job Number: 360-18467-1

Method Blank - Batch: 360-35785

Method: CT ETPH
Preparation: 3546

Lab Sample ID: MB 360-35785/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1817
Date Prepared: 09/03/2008 1410

Analysis Batch: 360-35820
Prep Batch: 360-35785
Units: mg/Kg

Instrument ID: HP 5890II GC w/ dual FIDs
Lab File ID: F11557.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	RL
C9-C36	ND		3.3

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

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35785

Method: CT ETPH
Preparation: 3546

LCS Lab Sample ID: LCS 360-35785/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1848
Date Prepared: 09/03/2008 1410

Analysis Batch: 360-35820
Prep Batch: 360-35785
Units: mg/Kg

Instrument ID: HP 5890II GC w/ dual FIDs
Lab File ID: F11558.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 360-35785/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1920
Date Prepared: 09/03/2008 1410

Analysis Batch: 360-35820
Prep Batch: 360-35785
Units: mg/Kg

Instrument ID: HP 5890II GC w/ dual FID
Lab File ID: F11559.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
C9-C36	75	74	60 - 120	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	66	64	50 - 150

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

Client: Tighe & Bond

Job Number: 360-18467-1

Method Blank - Batch: 360-35867

Method: CT ETPH
Preparation: 3546

Lab Sample ID: MB 360-35867/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1229
Date Prepared: 09/05/2008 1111

Analysis Batch: 360-35908
Prep Batch: 360-35867
Units: mg/Kg

Instrument ID: HP 5890II GC w/ dual FIDs
Lab File ID: F11602.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	RL
C9-C36	ND		3.3

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	76	50 - 150

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35867

Method: CT ETPH
Preparation: 3546

LCS Lab Sample ID: LCS 360-35867/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1300
Date Prepared: 09/05/2008 1111

Analysis Batch: 360-35908
Prep Batch: 360-35867
Units: mg/Kg

Instrument ID: HP 5890II GC w/ dual FIDs
Lab File ID: F11603.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 360-35867/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1331
Date Prepared: 09/05/2008 1111

Analysis Batch: 360-35908
Prep Batch: 360-35867
Units: mg/Kg

Instrument ID: HP 5890II GC w/ dual FID
Lab File ID: F11604.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
C9-C36	71	70	60 - 120	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	68	64	50 - 150

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

Quality Control Results

Client: Tighe & Bond

Job Number: 360-18467-1

Duplicate - Batch: 360-35758

Method: PercentMoisture
Preparation: N/A

Lab Sample ID: 360-18467-21
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 0902
Date Prepared: N/A

Analysis Batch: 360-35758
Prep Batch: N/A
Units: %

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	9.8	8.7	13	20	
Percent Solids	90	91	1	20	

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

CTETPH - MASS DISCRIMINATION CHECK

Job #: **360-18467**
Analyst: **MZ/PS**
Date: **9/5/2008 11:01**
Sample Name: **C9-C36 2100 PPM**

Name	Target Response	Response factor	% DIFF (+- 20%)		Mass Discrimination from C9 (<10%)
C9	5241570.515	34943.80343	***6.1***		
C10	5226889.997	34845.93332	***5.8***		**0.3**
C12	5275655.054	35171.0337	***6.8***		**-0.6**
C14	5288440.77	35256.2718	***7.1***		**-0.9**
C16	5314362.092	35429.08062	***7.6***		**-1.4**
C18	5348517.111	35656.78074	***8.3***		**-2.0**
C19	5295157.488	35301.04992	***7.2***		**-1.0**
C20	5182103.381	34547.35587	***4.9***		**1.1**
C22	3717662.985	24784.4199	***-24.7***		**34.0**
C24	4288148.496	28587.65664	***-13.2***		**20.0**
C26	4685182.478	31234.54985	***-5.1***		**11.2**
C28	4836781.233	32245.20822	***-2.1***		**8.0**
C30	5028136.288	33520.90858	***1.8***		**4.2**
C36	4405293	29368.62	***-10.8***		**17.3**
	Average:	32920.90519			

NOTE: Mass Discrimination cannot exceed 50% difference (20% is the target).

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

TA CT

Chain of Custody Record

TestAmerica
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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mason, Becky C	Carrier Tracking No(s):	COC No: 360-3199.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: becky.mason@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 360-18467-1
Address: 128 Long Hill Cross Road, ,	Due Date Requested: 9/5/2008			
City: Shelton	TAT Requested (days):			
State, Zip: CT, 06484				
Phone: 203-929-8140(Tel) 203-929-8142(Fax)	PO #:			
Email:	WO #:			
Project Name: T&B CT	Project #: 36000166			
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)	8260B/1312_Z 8260B CTRSR	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
R1-18 0-2' (360-18467-1)	8/28/08	13:10		Solid			X	1	Also received 1-25gr
R1-19 0-2' (360-18467-4)	8/28/08	13:20		Solid			X	1	encore each for
R1-20 0-2' (360-18467-9)	8/28/08	13:39		Solid			X	1	360-18467 #2,6,7,10,
R1-21 0-2' (360-18467-12)	8/28/08	13:53		Solid			X	1	11,19,20,24 and 27.
R1-21 2-4' (360-18467-13)	8/28/08	13:55		Solid			X	1	not on the coc.
R1-28 0-2' (360-18467-21)	8/28/08	14:41		Solid			X	1	KQ 9/3/08
R1-28 2-4' (360-18467-22)	8/28/08	14:45		Solid			X	1	
R1-29 0-2' (360-18467-25)	8/28/08	14:59		Solid			X	1	
R1-29 2-4' (360-18467-26)	8/28/08	15:03		Solid			X	1	
R1-30 2-4' (360-18467-30)	8/28/08	15:20		Solid			X	1	
							KQ 9/2/08		

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:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 9-2-08 1700	Company TAL	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: K Blockley	Date/Time: 9/3/08 950	Company TA CT
Relinquished by: PASSED ~~RAD~~ SCREEN	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: 1.8°C			

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-18467-1

Login Number: 18467
Creator: Mason, Becky C
List Number: 1

List Source: TestAmerica Westfield

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	0.2 C / 2.4 C
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	
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	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	No sample provided for percent solids on several samples
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	

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-18467-1

Login Number: 18467
Creator: Blocker, Kristina
List Number: 1

List Source: TestAmerica Connecticut
List Creation: 09/03/08 10:25 AM

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	
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	
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	
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: 360-18467-1

Login Number: 18467
Creator: Blocker, Kristina
List Number: 2

List Source: TestAmerica Connecticut
List Creation: 09/13/08 11:20 AM

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	
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	
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	
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	

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Chain of Custody Form

•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, MIDDLETOWN, CT
Phone: 800-704-4781 Fax:

Client Project #: 12-613620
Site ID & State: E. HAMPTON, CT
Reports Sent To: KARL WIKSTROM
Email: KWikstrom@tighebond.com Email Rpt: ☒

Job# 360-18467 | Quote# | PO#

Shaded areas for office use
Invoice same as Report to? ☐
If Invoice contact or address different, note in *Comments*

Comments *(Special Instructions)*

Requested Turnaround Time (PLEASE SPECIFY)
STANDARD _____ 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.

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 / 4° C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity	SPLP VOC
RI-18 0-2'	S	KW	8/28/08 13:10	X		4	P/G							X	X		X								X
RI-18 2-4'	S	KW	8/28/08 13:14	X		4	P/G							X	X		X								
RI-18 4-6'	S	KW	8/28/08 13:16	X		3	P/G							X											
RI-19 0-2'	S	KW	8/28/08 13:20	X		4	P/G							X	X		X								X
QVB-3	S	KW	8/28/08 13:20	X		1	G										X								
RI-19 2-4'	S	KW	08/28/08 13:28	X		4	P/G							X	X		X								
RI-19 4-6'	S	KW	08/28/08 13:37	X		2	P/G																		
RI-19 6-8'	S	KW	08/28/08 13:35	X		1	G																		
RI-20 0-2'	S	KW	08/28/08 13:39	X		4	P/G							X	X		X								X
RI 20 2-4'	S	KW	08/28/08	X		4	P/G							X											

Comments:

Sampled by (print): KARL WIKSTROM
Signature:

Cooler? Y / N
MADEP Requirement Samples Iced? Y / N

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Ruben Lugo	8/29/08	1015	Jerry Ocal	8/29/08	1015
Jerry Ocal	8/29/08	1130	[illegible]	8/29/08	1130

Temp @ receipt: 0.2/2.4 ºC
Preservation / pH checked? Y / N
By: _____ Date: _____

WESTFIELD

Page 4 of ____

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Chain of Custody Form

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(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
Middletown, CT
Phone: Fax:

Client Project #: 12-613620
Site ID & State: E. Hampton, CT
Reports Sent To: K. Winstrom
Email: KWinstrom@tighebond.com Email Rpt: [X]

Job# 360-18467 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 _____ RUSH X 5-day (*Lab Approval Required*)

Regulatory Programs/Presumptive Certainty/QC Forms
MADEP MCP [X] GW1/S1 [ ] PWS DEP Forms [ ]
CTDEP RCP [X] CT RSR [X] 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.

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 / 4º C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity	SPLP VOC		
R1-20 4-6'	S	JW	8/28/08 13:44	X		2	P/G							X													
R1-21 0-2'	S	JW	08/28/08 13:53	X		4	P/G							X	X		X		X						X		
R1-21 2-4'	S	JW	08/28/08 13:55	X		4	P/G							X	X		X		X						X		
R1-21 4-6'	S	JW	08/28/08 13:58	X		3	P/G							X													
R1-22 0-2'	S	JW	08/28/08 14:04	X		1	G							X			X		X								
R1-22 2-4'	S	JW	8/28/08 14:08	X		1	G							X													
R1-31 0-2'	S	JW	8/28/08 1419	X		1	G							X			X		X								
R1-31 2-4'	S	JW	08/28/08 14:22	X		1	G							X			X		X								
R1-27 0-2'	S	JW	08/28/08 14:35	X		4	P/G							X	X												
R1-27 2-4	S	JW	08/28/08	X		3	P							X	X												

Comments:

Sampled by (print): KARL WINSTROM
Signature: [signature]

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	8/29/08	1015	[signature]	8/29/08	1015
[signature]	8/29/08	1130	[signature]	8/29/08	1130

Cooler? Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: 0.2/2.4 ºC
Preservation / pH checked? Y / N
By: _____ Date: _____

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Chain of Custody Form

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Westfield

•148 Rangeway Road
N. Billerica, MA 01862
(P) 978-667-1400
(F) 978-667-7871
Boston - Service Center

Client: TIEHE + BOND
Address: 213 COURT ST
MIDDLETOWN CT
Phone: Fax:

Client Project #: 12-613620
Site ID & State: E. HAMPTON, CT
Reports Sent To: KARL WIKSTRON
Email: KRWikstrom@tighbond.com Email Rpt: ☒

Job# 360-18467 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 _____ RUSH X 5 day (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.

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R1-28 0-2'	S	JW	8/28/08 14:41	X		4	P/G							X	X										X
R1-28 2-4'	S	JW	8/28/08 14:45	X		3	P							X	X										X
R1-28 4-6'	S	JW	18/28/08 14:47	X		2	P							X											
R1-~~28~~28 6-8'	S	JW	8/28/08 14:50	X		1	P							X											
R1-29 0-2'	S	JW	8/28/08 14:59	X		4	P/G							X	X										X
R1-29 2-4'	S	JW	8/28/08 15:03	X		3	P							X	X										X
R1-~~30~~29 4-6'	S	JW	8/28/08 15:05	X		1	P							X											
R1-29 6-8'	S	JW	8/28/08 15:10	X		2	P							X											
R1-30 0-2'	S	JW	8/28/08 15:18	X		3	P/G							X	X										X
R1-30 2-4'	S	JW	8/28/08 15:20	X		3	P							X	X										X

Comments:

Sampled by (print): KARL WIKSTROM
Signature: [signature]

Cooler? Y / N
MADEP Requirement Samples Iced? Y / N

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	8/29/08	1015	[signature]	8/29/08	1015
[signature]	8/29/08	1130	[signature]	8/29/08	1130

Temp @ receipt: 0.4/2.4 ºC
Preservation / pH checked? Y / N
By: _____ Date: _____

WESTFIELD

Page 6 of ____

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TAL-8245(1007)

ANALYTICAL REPORT

Job Number: 360-18469-1

Job Description: 12-613620

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

Attention: Mr. Karl Wikstrom

Approved for release.
Chris F Reynolds
QA Manager
1/19/2009 2:16 PM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
01/19/2009
Revision: 2

The test results in this report meet all NELAP requirements for accredited parameters. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, 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 DOH 10843.

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

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond, Inc.**
Project Location:	**East Hampton, CT**	***Project Number:***	**360-18469-1**
Laboratory Sample ID (s):	**360-18469-1(1,5,6,8-12)**	***Sampling Date (s):***	**8/28/08**
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: 1/19/09 14:05

The certification form has been electronically signed and approved.

Updated Nov 2007

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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,
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WI-QA-038

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond, Inc.**
Project Location:	**East Hampton, CT**	***Project Number:***	**360-18469-1**
Laboratory Sample ID (s):	**360-18469-1(2-6,8-10)**	***Sampling Date (s):***	**8/28/08**
Method:	**SW846 8082**		

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: 1/19/09 14:05

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

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WI-QA-038

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond, Inc.**
Project Location:	**East Hampton, CT**	***Project Number:***	**360-18469-1**
Laboratory Sample ID (s):	**360-18469-1(2-6,8-10)**	***Sampling Date (s):***	**8/28/08**
Method:	**CT ETPH**		

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: 1/19/09 14:05

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: CT ***Project Number:*** 36000166

Laboratory Sample ID(s): 360-18469-1,5,6,8,9,10,11,12 ***Sampling Date(s):*** 08/28/08

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8260B-1312ZHE

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 CTDEP method-specific Reasonable Confidence Protocol documents?	☑Yes □ No
1A	Were the method specified preservation and holding time requirements met? Please see laboratory case narrative concerning bottle preservation issues	□Yes ☒No
1B	***VPH and EPH Methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	□Yes □ No ☒N/A
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 □ No □N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	□Yes ☑No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met? Please see laboratory case narrative for laboratory VOA GW exceedances	□Yes ☒ No □Yes ☒ No
6	For each analytical method referenced 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 an 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: J Widomski **Position:** Data Management

Printed Name: Joan Widomski **Date:** 9-17-08

Name of Laboratory TestAmerica Connecticut

This certification form is to be used for RCP methods only.

CASE NARRATIVE

Client: Tighe & Bond

Project: 12-613620

Report Number: 360-18469-1
Revision 2

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues as stipulated in the RCP reporting requirements.

In order to facilitate report review, a separate RCP Analytical Method Report Certification Form is included for each method requested.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy “RCP program” reporting limits in some cases if the “adjusted” RL is greater than the applicable RCP standards or criterion to which the concentration is being compared. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes which exceed the calibration range.

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.

The samples were received on 08/29/2008; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.2, 2.4ºC.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C 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.

VOLATILE ORGANICS

Samples 360-18469-1, 360-18469-5, 360-18469-6 and 360-18469-8 through 360-18469-12 were analyzed for volatile organics in accordance with EPA SW846 Method 8260B. The samples were prepared on 08/29/2008 and 09/04/2008 and analyzed on 09/04/2008 and 09/05/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved with the exception of:

2-Hexanone and 4-Methyl-2-pentanone (MIBK) were detected in method blank MB 360-35872/3-

A at levels exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

General Comments:
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.

POLYCHLORINATED BIPHENYLS

Samples 360-18469-2 through 360-18469-6 and 360-18469-8 through 360-18469-10 were analyzed for polychlorinated biphenyls in accordance with EPA SW846 Method 8082. The samples were prepared on 09/03/2008 and analyzed on 09/04/2008 and 09/05/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved with the exception of:

Tetrachloro-m-xylene failed the surrogate recovery criteria high for 360-18469-9. Due to high concentration of target compounds the sample was analyzed at a 5x dilution. Refer to the QC report for details.

General Comments:
Samples 360-18469-2(1000X), 360-18469-3(200X), 360-18469-4(200X), 360-18469-5(50X), 360-18469-6(100X), 360-18469-8(20X), 360-18469-9(5X) and 360-18469-10(500X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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.

EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS

Samples 360-18469-2 through 360-18469-6 and 360-18469-8 through 360-18469-10 were analyzed for extractable total petroleum hydrocarbons in accordance with CT ETPH. The samples were prepared on 09/03/2008 and analyzed on 09/04/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved with the exception of:

C9-C36 failed the MS/MSD recovery criteria low for the matrix spike of sample 360-18469-3. C9-C36 exceeded the MS/MSD rpd limit for the matrix spike duplicate of sample 360-18469-3. Refer to the QC report for details.

General Comments:
Samples 360-18469-5(10X), 360-18469-6(10X) and 360-18469-8 through 360-18469-10(10X) required dilution prior to analysis due to high concentration of target compounds. The reporting limits have been adjusted accordingly.

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.

SPLP VOLATILE ORGANICS (8260)

Samples 360-18469-1, 360-18469-5, 360-18469-6 and 360-18469-8 through 360-18469-12 were analyzed for SPLP Volatile Organics in accordance with EPA SW846 Method 1312/8260B. The samples were leached on 09/05/2008 and 09/07/2008 and analyzed on 09/07/2008, 09/09/2008 and 09/10/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

The initial calibration curve analyzed on instrument MSW on 8/25/08 was outside CTRCP acceptance criteria for the following compounds at the associated %RPD: bromomethane-21.2%, trans-1,3-dichloropropene-16.3%, naphthalene 22.2%.

The initial calibration curve analyzed on instrument MSL on 8/2808 was outside CTRCP acceptance criteria for the following compounds with the associated %RSD: bromomethane-34.1%, 1,2-dibromo-3-chloropropane-26.3%, 1,2,4-trichlorobenzene-44.3%, naphthalene 54.0%, 1,2,3 -trichlorobenzene 44.6%.

The initial calibration curve analyzed on instrument MSV on 9/4/08 was outside CTRCP acceptance criteria for the following compounds with the associated %RSD: bromomethane-17.4%, methylene chloride-15.5%, hexachlorobutadiene 25.3%.

The continuing calibration verification (CCV) analyzed on instrument MSV on 9/9/08 recovered above the CTRCP upper control limit for bromomethane-42.9%D.

The continuing calibration verification (CCV) analyzed on instrument MSL on 9/10/08 recovered above the CTRCP upper control limit for acrolein-50.0%D, hexachlorobutadiene 32.1%.

The laboratory control standard (LCS) for the following batches was outside CTRCP control limits for the following analytes: Batch 19746: acetone, Batch 19796: carbon disulfide(>160%), acetone(>160%), methyl ethyl ketone, Batch 19816: acetone(>160%), methyl ethyl ketone

2-Hexanone and 4-Methyl-2-pentanone (MIBK) were detected in method blank MB 360-35923/3 at levels exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Carbon disulfide, Dibromochloromethane and Dichlorodifluoromethane failed the LCS recovery criteria high for LCS 220-19796/2. 1,2,3-Trichlorobenzene and Naphthalene failed the LCS recovery criteria low for LCS 220-19816/2. Dichlorodifluoromethane failed the LCS recovery criteria high. Refer to the QC report for details.

The following reported method is not listed by Connecticut Department of Environmental Protection (DEP) as a published method which has Reasonable Confidence Protocols (RCPs) QA/QC guidance. Instead, laboratory derived or non-RCP QA/QC guidelines were applied.

PERCENT SOLIDS

Samples 360-18469-1 through 360-18469-6 and 360-18469-8 through 360-18469-12 were analyzed for percent solids in accordance with EPA Method 160.3 Modified. The samples were analyzed on 09/03/2008 and 09/04/2008.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

This case narrative is available in Word format upon request.

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 360-18469-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
SPLP Extraction	TAL CT		SW846 1312
Purge and Trap	TAL CT		SW846 5030B
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Closed System Purge and Trap	TAL WFD		SW846 5035
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL WFD	SW846 8082	
Microwave Extraction	TAL WFD		SW846 3546
Connecticut - Extractable Total petroleum Hydrocarbons (GC)	TAL WFD	STATE CT ETPH	
Microwave Extraction	TAL WFD		SW846 3546

Lab References:

TAL CT = TestAmerica Connecticut

TAL WFD = TestAmerica Westfield

Method References:

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: 360-18469-1

Method	Analyst	Analyst ID
SW846 8260B	Kemp, Rowena	RK
SW846 8260B	Kostrzewska, Barbara	BK
SW846 8260B	Tester, Carla	CT
SW846 8082	Zuccala, Marissa	MZ
STATE CT ETPH	Rachtan, Karolina	KR
EPA PercentMoisture	Burton, Teresa F	TFB
EPA PercentMoisture	Nasiatka, Ellen M	EMN

SAMPLE SUMMARY

Client: Tighe & Bond

Job Number: 360-18469-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-18469-1	DUP 4	Solid	08/28/2008 1518	08/29/2008 1130
360-18469-2	R1-23 0-2'	Solid	08/28/2008 1538	08/29/2008 1130
360-18469-3	R1-23 2-4'	Solid	08/28/2008 1540	08/29/2008 1130
360-18469-4	DUP 5	Solid	08/28/2008 1540	08/29/2008 1130
360-18469-5	R1-26 0-2'	Solid	08/28/2008 1544	08/29/2008 1130
360-18469-6	R1-26 2-4'	Solid	08/28/2008 1549	08/29/2008 1130
360-18469-8	R1-25 0-2'	Solid	08/28/2008 1557	08/29/2008 1130
360-18469-9	R1-24 0-2'	Solid	08/28/2008 1607	08/29/2008 1130
360-18469-10	R1-24 2-4'	Solid	08/28/2008 1610	08/29/2008 1130
360-18469-11	R1-6 2-4'	Solid	08/28/2008 1620	08/29/2008 1130
360-18469-12	R1-7 2-4'	Solid	08/28/2008 1628	08/29/2008 1130

SAMPLE RESULTS

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **DUP 4**

Lab Sample ID:	360-18469-1			Date Sampled:	08/28/2008 1518
Client Matrix:	Solid	% Moisture:	5.4	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40013.D
Dilution:	1.0			Initial Weight/Volume:	3.35 g
Date Analyzed:	09/05/2008 1751			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		390
Acrylonitrile		ND		3.9
Benzene		ND		3.9
Bromobenzene		ND		3.9
n-Butylbenzene		ND		3.9
sec-Butylbenzene		ND		3.9
tert-Butylbenzene		ND		3.9
Dichlorobromomethane		ND		3.9
Bromoform		ND		3.9
Bromomethane		ND		7.9
2-Butanone (MEK)		ND		39
Carbon disulfide		ND		3.9
Carbon tetrachloride		ND		3.9
Chlorobenzene		ND		3.9
Chloroethane		ND		7.9
Chloroform		ND		3.9
Chloromethane		ND		7.9
2-Chlorotoluene		ND		3.9
4-Chlorotoluene		ND		3.9
Chlorodibromomethane		ND		3.9
1,2-Dibromo-3-Chloropropane		ND		7.9
Dibromomethane		ND		3.9
1,2-Dichlorobenzene		ND		3.9
1,3-Dichlorobenzene		ND		3.9
1,4-Dichlorobenzene		ND		3.9
Dichlorodifluoromethane		ND		7.9
1,1-Dichloroethene		ND		3.9
1,1-Dichloroethane		ND		3.9
1,2-Dichloroethane		ND		3.9
cis-1,2-Dichloroethene		29		3.9
1,2-Dichloropropane		ND		3.9
1,3-Dichloropropane		ND		3.9
2,2-Dichloropropane		ND		3.9
1,1-Dichloropropene		ND		3.9
cis-1,3-Dichloropropene		ND		3.9
trans-1,3-Dichloropropene		ND		3.9
Ethylbenzene		ND		3.9
Hexachlorobutadiene		ND		3.9
2-Hexanone		ND		39
Isopropylbenzene		ND		3.9
4-Isopropyltoluene		ND		3.9
Methylene Chloride		ND		16
4-Methyl-2-pentanone (MIBK)		ND		39
Methyl tert-butyl ether		ND		3.9

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **DUP 4**

Lab Sample ID:	360-18469-1			Date Sampled:	08/28/2008 1518
Client Matrix:	Solid	% Moisture:	5.4	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40013.D
Dilution:	1.0			Initial Weight/Volume:	3.35 g
Date Analyzed:	09/05/2008 1751			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		39
N-Propylbenzene		ND		3.9
Styrene		ND		3.9
1,1,1,2-Tetrachloroethane		ND		3.9
1,1,2,2-Tetrachloroethane		ND		3.9
Tetrachloroethene		ND		3.9
Tetrahydrofuran		ND		39
Toluene		ND		3.9
1,2,3-Trichlorobenzene		ND		3.9
1,2,4-Trichlorobenzene		ND		3.9
1,1,1-Trichloroethane		ND		3.9
1,1,2-Trichloroethane		ND		3.9
Trichloroethene		130		3.9
Trichlorofluoromethane		ND		7.9
1,2,3-Trichloropropane		ND		3.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		20
1,2,4-Trimethylbenzene		ND		3.9
1,3,5-Trimethylbenzene		ND		3.9
Vinyl chloride		ND		3.9
Ethylene Dibromide		ND		3.9
trans-1,4-Dichloro-2-butene		ND		7.9
trans-1,2-Dichloroethene		ND		3.9
m-Xylene & p-Xylene		ND		7.9
o-Xylene		ND		3.9

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	116	70 - 130
Dibromofluoromethane	92	70 - 130
Toluene-d8 (Surr)	96	70 - 130

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **DUP 4**

Lab Sample ID: 360-18469-1
Client Matrix: Solid

Date Sampled: 08/28/2008 1518
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1515
Date Prepared: 09/07/2008 1515
Date Leached: 09/05/2008 2221

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8575.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		8.1		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		6.0		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **DUP 4**

Lab Sample ID: 360-18469-1
Client Matrix: Solid

Date Sampled: 08/28/2008 1518
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1515
Date Prepared: 09/07/2008 1515
Date Leached: 09/05/2008 2221

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8575.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	53 - 125
4-Bromofluorobenzene	112	73 - 127
Dibromofluoromethane	95	54 - 137
Toluene-d8 (Surr)	91	63 - 121

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-26 0-2'**

Lab Sample ID: 360-18469-5
Client Matrix: Solid
% Moisture: 5.7
Date Sampled: 08/28/2008 1544
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/05/2008 1814
Date Prepared: 09/04/2008 1131

Analysis Batch: 360-35923
Prep Batch: 360-35929

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40014.D
Initial Weight/Volume: 3.62 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		370
Acrylonitrile		ND		3.7
Benzene		ND		3.7
Bromobenzene		ND		3.7
n-Butylbenzene		ND		3.7
sec-Butylbenzene		ND		3.7
tert-Butylbenzene		ND		3.7
Dichlorobromomethane		ND		3.7
Bromoform		ND		3.7
Bromomethane		ND		7.3
2-Butanone (MEK)		ND		37
Carbon disulfide		ND		3.7
Carbon tetrachloride		ND		3.7
Chlorobenzene		ND		3.7
Chloroethane		ND		7.3
Chloroform		ND		3.7
Chloromethane		ND		7.3
2-Chlorotoluene		ND		3.7
4-Chlorotoluene		ND		3.7
Chlorodibromomethane		ND		3.7
1,2-Dibromo-3-Chloropropane		ND		7.3
Dibromomethane		ND		3.7
1,2-Dichlorobenzene		ND		3.7
1,3-Dichlorobenzene		ND		3.7
1,4-Dichlorobenzene		ND		3.7
Dichlorodifluoromethane		ND		7.3
1,1-Dichloroethene		ND		3.7
1,1-Dichloroethane		ND		3.7
1,2-Dichloroethane		ND		3.7
cis-1,2-Dichloroethene		ND		3.7
1,2-Dichloropropane		ND		3.7
1,3-Dichloropropane		ND		3.7
2,2-Dichloropropane		ND		3.7
1,1-Dichloropropene		ND		3.7
cis-1,3-Dichloropropene		ND		3.7
trans-1,3-Dichloropropene		ND		3.7
Ethylbenzene		ND		3.7
Hexachlorobutadiene		ND		3.7
2-Hexanone		ND		37
Isopropylbenzene		ND		3.7
4-Isopropyltoluene		ND		3.7
Methylene Chloride		ND		15
4-Methyl-2-pentanone (MIBK)		ND		37
Methyl tert-butyl ether		ND		3.7

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-26 0-2'

Lab Sample ID:	360-18469-5			Date Sampled:	08/28/2008 1544
Client Matrix:	Solid	% Moisture:	5.7	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40014.D
Dilution:	1.0			Initial Weight/Volume:	3.62 g
Date Analyzed:	09/05/2008 1814			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		37
N-Propylbenzene		ND		3.7
Styrene		ND		3.7
1,1,1,2-Tetrachloroethane		ND		3.7
1,1,2,2-Tetrachloroethane		ND		3.7
Tetrachloroethene		ND		3.7
Tetrahydrofuran		ND		37
Toluene		ND		3.7
1,2,3-Trichlorobenzene		ND		3.7
1,2,4-Trichlorobenzene		ND		3.7
1,1,1-Trichloroethane		ND		3.7
1,1,2-Trichloroethane		ND		3.7
Trichloroethene		17		3.7
Trichlorofluoromethane		ND		7.3
1,2,3-Trichloropropane		ND		3.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		18
1,2,4-Trimethylbenzene		ND		3.7
1,3,5-Trimethylbenzene		ND		3.7
Vinyl chloride		ND		3.7
Ethylene Dibromide		ND		3.7
trans-1,4-Dichloro-2-butene		ND		7.3
trans-1,2-Dichloroethene		ND		3.7
m-Xylene & p-Xylene		ND		7.3
o-Xylene		ND		3.7

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	116	70 - 130
Dibromofluoromethane	91	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-26 0-2'**

Lab Sample ID: 360-18469-5
Client Matrix: Solid

Date Sampled: 08/28/2008 1544
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1448
Date Prepared: 09/07/2008 1448
Date Leached: 09/05/2008 2221

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8574.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		9.7		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-26 0-2'**

Lab Sample ID: 360-18469-5
Client Matrix: Solid

Date Sampled: 08/28/2008 1544
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/07/2008 1448
Date Prepared: 09/07/2008 1448
Date Leached: 09/05/2008 2221

Analysis Batch: 220-19746
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8574.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND		5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	53 - 125
4-Bromofluorobenzene	123	73 - 127
Dibromofluoromethane	107	54 - 137
Toluene-d8 (Surr)	101	63 - 121

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-26 2-4'**

Lab Sample ID: 360-18469-6
Client Matrix: Solid
% Moisture: 7.1
Date Sampled: 08/28/2008 1549
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/04/2008 2046
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39986.D
Initial Weight/Volume: 3.96 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		17000
Acrylonitrile		ND		170
Benzene		ND		170
Bromobenzene		ND		170
n-Butylbenzene		ND		170
sec-Butylbenzene		ND		170
tert-Butylbenzene		ND		170
Dichlorobromomethane		ND		170
Bromoform		ND		170
Bromomethane		ND		340
2-Butanone (MEK)		ND		1700
Carbon disulfide		ND		170
Carbon tetrachloride		ND		170
Chlorobenzene		ND		170
Chloroethane		ND		340
Chloroform		ND		170
Chloromethane		ND		340
2-Chlorotoluene		ND		170
4-Chlorotoluene		ND		170
Chlorodibromomethane		ND		170
1,2-Dibromo-3-Chloropropane		ND		340
Dibromomethane		ND		170
1,2-Dichlorobenzene		ND		170
1,3-Dichlorobenzene		ND		170
1,4-Dichlorobenzene		ND		170
Dichlorodifluoromethane		ND		340
1,1-Dichloroethene		ND		170
1,1-Dichloroethane		ND		170
1,2-Dichloroethane		ND		170
cis-1,2-Dichloroethene		ND		170
1,2-Dichloropropane		ND		170
1,3-Dichloropropane		ND		170
2,2-Dichloropropane		ND		170
1,1-Dichloropropene		ND		170
cis-1,3-Dichloropropene		ND		170
trans-1,3-Dichloropropene		ND		170
Ethylbenzene		ND		170
Hexachlorobutadiene		ND		170
2-Hexanone		ND		1700
Isopropylbenzene		ND		170
4-Isopropyltoluene		ND		170
Methylene Chloride		ND		680
4-Methyl-2-pentanone (MIBK)		ND		1700
Methyl tert-butyl ether		ND		170

Analytical Data

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-26 2-4'

Lab Sample ID:	360-18469-6			Date Sampled:	08/28/2008 1549
Client Matrix:	Solid	% Moisture:	7.1	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35869		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35872		Lab File ID:	V39986.D
Dilution:	1.0			Initial Weight/Volume:	3.96 g
Date Analyzed:	09/04/2008 2046			Final Weight/Volume:	5 g
Date Prepared:	08/29/2008 1152				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		1700
N-Propylbenzene		ND		170
Styrene		ND		170
1,1,1,2-Tetrachloroethane		ND		170
1,1,2,2-Tetrachloroethane		ND		170
Tetrachloroethene		ND		170
Tetrahydrofuran		ND		1700
Toluene		ND		170
1,2,3-Trichlorobenzene		ND		170
1,2,4-Trichlorobenzene		ND		170
1,1,1-Trichloroethane		ND		170
1,1,2-Trichloroethane		ND		170
Trichloroethene		580		170
Trichlorofluoromethane		ND		340
1,2,3-Trichloropropane		ND		170
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		850
1,2,4-Trimethylbenzene		ND		170
1,3,5-Trimethylbenzene		ND		170
Vinyl chloride		ND		170
Ethylene Dibromide		ND		170
trans-1,4-Dichloro-2-butene		ND		340
trans-1,2-Dichloroethene		ND		170
m-Xylene & p-Xylene		ND		340
o-Xylene		ND		170

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	70 - 130
Dibromofluoromethane	89	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-26 2-4'**

Lab Sample ID: 360-18469-6
Client Matrix: Solid

Date Sampled: 08/28/2008 1549
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/09/2008 2056
Date Prepared: 09/09/2008 2056
Date Leached: 09/05/2008 2222

Analysis Batch: 220-19796
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7699.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND	*	5.0
Acetone		ND		10
Methylene Chloride		7.5		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND	*	5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	*	5.0

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-26 2-4'**

Lab Sample ID: 360-18469-6
Client Matrix: Solid

Date Sampled: 08/28/2008 1549
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/09/2008 2056
Date Prepared: 09/09/2008 2056
Date Leached: 09/05/2008 2222

Analysis Batch: 220-19796
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7699.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND	*	5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND	*	5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	53 - 125
4-Bromofluorobenzene	81	73 - 127
Dibromofluoromethane	102	54 - 137
Toluene-d8 (Surr)	88	63 - 121

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-25 0-2'

Lab Sample ID: 360-18469-8
Client Matrix: Solid
% Moisture: 10.6
Date Sampled: 08/28/2008 1557
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/05/2008 1838
Date Prepared: 09/04/2008 1131

Analysis Batch: 360-35923
Prep Batch: 360-35929

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40015.D
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		1300
Acrylonitrile		ND		13
Benzene		ND		13
Bromobenzene		ND		13
n-Butylbenzene		ND		13
sec-Butylbenzene		ND		13
tert-Butylbenzene		ND		13
Dichlorobromomethane		ND		13
Bromoform		ND		13
Bromomethane		ND		26
2-Butanone (MEK)		ND		130
Carbon disulfide		ND		13
Carbon tetrachloride		ND		13
Chlorobenzene		ND		13
Chloroethane		ND		26
Chloroform		ND		13
Chloromethane		ND		26
2-Chlorotoluene		ND		13
4-Chlorotoluene		ND		13
Chlorodibromomethane		ND		13
1,2-Dibromo-3-Chloropropane		ND		26
Dibromomethane		ND		13
1,2-Dichlorobenzene		ND		13
1,3-Dichlorobenzene		ND		13
1,4-Dichlorobenzene		ND		13
Dichlorodifluoromethane		ND		26
1,1-Dichloroethene		ND		13
1,1-Dichloroethane		ND		13
1,2-Dichloroethane		ND		13
cis-1,2-Dichloroethene		ND		13
1,2-Dichloropropane		ND		13
1,3-Dichloropropane		ND		13
2,2-Dichloropropane		ND		13
1,1-Dichloropropene		ND		13
cis-1,3-Dichloropropene		ND		13
trans-1,3-Dichloropropene		ND		13
Ethylbenzene		ND		13
Hexachlorobutadiene		ND		13
2-Hexanone		ND		130
Isopropylbenzene		ND		13
4-Isopropyltoluene		ND		13
Methylene Chloride		ND		53
4-Methyl-2-pentanone (MIBK)		ND		130
Methyl tert-butyl ether		ND		13

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-25 0-2'

Lab Sample ID:	360-18469-8			Date Sampled:	08/28/2008 1557
Client Matrix:	Solid	% Moisture:	10.6	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40015.D
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Date Analyzed:	09/05/2008 1838			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		130
N-Propylbenzene		ND		13
Styrene		ND		13
1,1,1,2-Tetrachloroethane		ND		13
1,1,2,2-Tetrachloroethane		ND		13
Tetrachloroethene		ND		13
Tetrahydrofuran		ND		130
Toluene		ND		13
1,2,3-Trichlorobenzene		ND		13
1,2,4-Trichlorobenzene		ND		13
1,1,1-Trichloroethane		ND		13
1,1,2-Trichloroethane		ND		13
Trichloroethene		ND		13
Trichlorofluoromethane		ND		26
1,2,3-Trichloropropane		ND		13
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		66
1,2,4-Trimethylbenzene		ND		13
1,3,5-Trimethylbenzene		ND		13
Vinyl chloride		ND		13
Ethylene Dibromide		ND		13
trans-1,4-Dichloro-2-butene		ND		26
trans-1,2-Dichloroethene		ND		13
m-Xylene & p-Xylene		ND		26
o-Xylene		ND		13

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	123	70 - 130
Dibromofluoromethane	95	70 - 130
Toluene-d8 (Surr)	95	70 - 130

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-25 0-2'**

Lab Sample ID: 360-18469-8
Client Matrix: Solid

Date Sampled: 08/28/2008 1557
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/09/2008 2122
Date Prepared: 09/09/2008 2122
Date Leached: 09/05/2008 2222

Analysis Batch: 220-19796
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7700.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND	*	5.0
Acetone		ND		10
Methylene Chloride		7.6		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND	*	5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	*	5.0

Analytical Data

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-25 0-2'**

Lab Sample ID: 360-18469-8
Client Matrix: Solid

Date Sampled: 08/28/2008 1557
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/09/2008 2122
Date Prepared: 09/09/2008 2122
Date Leached: 09/05/2008 2222

Analysis Batch: 220-19796
Leachate Batch: 220-19702

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7700.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND	*	5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND	*	5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		38		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	53 - 125
4-Bromofluorobenzene	79	73 - 127
Dibromofluoromethane	102	54 - 137
Toluene-d8 (Surr)	87	63 - 121

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-24 0-2'**

Lab Sample ID: 360-18469-9
Client Matrix: Solid
% Moisture: 6.0
Date Sampled: 08/28/2008 1607
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/05/2008 1902
Date Prepared: 09/04/2008 1131

Analysis Batch: 360-35923
Prep Batch: 360-35929

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40016.D
Initial Weight/Volume: 4.44 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		300
Acrylonitrile		ND		3.0
Benzene		ND		3.0
Bromobenzene		ND		3.0
n-Butylbenzene		ND		3.0
sec-Butylbenzene		ND		3.0
tert-Butylbenzene		ND		3.0
Dichlorobromomethane		ND		3.0
Bromoform		ND		3.0
Bromomethane		ND		6.0
2-Butanone (MEK)		ND		30
Carbon disulfide		ND		3.0
Carbon tetrachloride		ND		3.0
Chlorobenzene		ND		3.0
Chloroethane		ND		6.0
Chloroform		ND		3.0
Chloromethane		ND		6.0
2-Chlorotoluene		ND		3.0
4-Chlorotoluene		ND		3.0
Chlorodibromomethane		ND		3.0
1,2-Dibromo-3-Chloropropane		ND		6.0
Dibromomethane		ND		3.0
1,2-Dichlorobenzene		ND		3.0
1,3-Dichlorobenzene		ND		3.0
1,4-Dichlorobenzene		ND		3.0
Dichlorodifluoromethane		ND		6.0
1,1-Dichloroethene		ND		3.0
1,1-Dichloroethane		ND		3.0
1,2-Dichloroethane		ND		3.0
cis-1,2-Dichloroethene		ND		3.0
1,2-Dichloropropane		ND		3.0
1,3-Dichloropropane		ND		3.0
2,2-Dichloropropane		ND		3.0
1,1-Dichloropropene		ND		3.0
cis-1,3-Dichloropropene		ND		3.0
trans-1,3-Dichloropropene		ND		3.0
Ethylbenzene		ND		3.0
Hexachlorobutadiene		ND		3.0
2-Hexanone		ND		30
Isopropylbenzene		ND		3.0
4-Isopropyltoluene		ND		3.0
Methylene Chloride		ND		12
4-Methyl-2-pentanone (MIBK)		ND		30
Methyl tert-butyl ether		ND		3.0

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-24 0-2'

Lab Sample ID:	360-18469-9			Date Sampled:	08/28/2008 1607
Client Matrix:	Solid	% Moisture:	6.0	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35923		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35929		Lab File ID:	V40016.D
Dilution:	1.0			Initial Weight/Volume:	4.44 g
Date Analyzed:	09/05/2008 1902			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1131				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		30
N-Propylbenzene		ND		3.0
Styrene		ND		3.0
1,1,1,2-Tetrachloroethane		ND		3.0
1,1,2,2-Tetrachloroethane		ND		3.0
Tetrachloroethene		ND		3.0
Tetrahydrofuran		ND		30
Toluene		ND		3.0
1,2,3-Trichlorobenzene		ND		3.0
1,2,4-Trichlorobenzene		ND		3.0
1,1,1-Trichloroethane		ND		3.0
1,1,2-Trichloroethane		ND		3.0
Trichloroethene		6.6		3.0
Trichlorofluoromethane		ND		6.0
1,2,3-Trichloropropane		ND		3.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		15
1,2,4-Trimethylbenzene		ND		3.0
1,3,5-Trimethylbenzene		ND		3.0
Vinyl chloride		ND		3.0
Ethylene Dibromide		ND		3.0
trans-1,4-Dichloro-2-butene		ND		6.0
trans-1,2-Dichloroethene		ND		3.0
m-Xylene & p-Xylene		ND		6.0
o-Xylene		ND		3.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	116	70 - 130
Dibromofluoromethane	88	70 - 130
Toluene-d8 (Surr)	97	70 - 130

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-24 0-2'**

Lab Sample ID: 360-18469-9
Client Matrix: Solid

Date Sampled: 08/28/2008 1607
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/09/2008 2003
Date Prepared: 09/09/2008 2003
Date Leached: 09/07/2008 1518

Analysis Batch: 220-19796
Leachate Batch: 220-19709

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7697.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND	*	5.0
Acetone		ND		10
Methylene Chloride		ND		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		11		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND	*	5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	*	5.0

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-24 0-2'**

Lab Sample ID: 360-18469-9
Client Matrix: Solid

Date Sampled: 08/28/2008 1607
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/09/2008 2003
Date Prepared: 09/09/2008 2003
Date Leached: 09/07/2008 1518

Analysis Batch: 220-19796
Leachate Batch: 220-19709

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7697.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND	*	5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND	*	5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	53 - 125
4-Bromofluorobenzene	80	73 - 127
Dibromofluoromethane	104	54 - 137
Toluene-d8 (Surr)	88	63 - 121

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-24 2-4'**

Lab Sample ID: 360-18469-10
Client Matrix: Solid

Date Sampled: 08/28/2008 1610
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/10/2008 1446
Date Prepared: 09/10/2008 1446
Date Leached: 09/07/2008 1519

Analysis Batch: 220-19816
Leachate Batch: 220-19709

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L9542.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		ND		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		74		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		10		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-24 2-4'**

Lab Sample ID: 360-18469-10
Client Matrix: Solid

Date Sampled: 08/28/2008 1610
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/10/2008 1446
Date Prepared: 09/10/2008 1446
Date Leached: 09/07/2008 1519

Analysis Batch: 220-19816
Leachate Batch: 220-19709

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L9542.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND	*	25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		10		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND	*	5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND	*	5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND	*	5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND	*	5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	53 - 125
4-Bromofluorobenzene	117	73 - 127
Dibromofluoromethane	93	54 - 137
Toluene-d8 (Surr)	89	63 - 121

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-24 2-4'

Lab Sample ID: 360-18469-10
Client Matrix: Solid
% Moisture: 10.8
Date Sampled: 08/28/2008 1610
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/04/2008 2159
Date Prepared: 09/04/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39989.D
Initial Weight/Volume: 3.85 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		18000
Acrylonitrile		ND		180
Benzene		ND		180
Bromobenzene		ND		180
n-Butylbenzene		ND		180
sec-Butylbenzene		ND		180
tert-Butylbenzene		ND		180
Dichlorobromomethane		ND		180
Bromoform		ND		180
Bromomethane		ND		360
2-Butanone (MEK)		ND		1800
Carbon disulfide		ND		180
Carbon tetrachloride		ND		180
Chlorobenzene		ND		180
Chloroethane		ND		360
Chloroform		ND		180
Chloromethane		ND		360
2-Chlorotoluene		ND		180
4-Chlorotoluene		ND		180
Chlorodibromomethane		ND		180
1,2-Dibromo-3-Chloropropane		ND		360
Dibromomethane		ND		180
1,2-Dichlorobenzene		ND		180
1,3-Dichlorobenzene		ND		180
1,4-Dichlorobenzene		ND		180
Dichlorodifluoromethane		ND		360
1,1-Dichloroethene		ND		180
1,1-Dichloroethane		ND		180
1,2-Dichloroethane		ND		180
cis-1,2-Dichloroethene		ND		180
1,2-Dichloropropane		ND		180
1,3-Dichloropropane		ND		180
2,2-Dichloropropane		ND		180
1,1-Dichloropropene		ND		180
cis-1,3-Dichloropropene		ND		180
trans-1,3-Dichloropropene		ND		180
Ethylbenzene		ND		180
Hexachlorobutadiene		ND		180
2-Hexanone		ND		1800
Isopropylbenzene		ND		180
4-Isopropyltoluene		ND		180
Methylene Chloride		ND		730
4-Methyl-2-pentanone (MIBK)		ND		1800
Methyl tert-butyl ether		ND		180

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-24 2-4'

Lab Sample ID:	360-18469-10			Date Sampled:	08/28/2008 1610
Client Matrix:	Solid	% Moisture:	10.8	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35869		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35872		Lab File ID:	V39989.D
Dilution:	1.0			Initial Weight/Volume:	3.85 g
Date Analyzed:	09/04/2008 2159			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1152				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		1800
N-Propylbenzene		ND		180
Styrene		ND		180
1,1,1,2-Tetrachloroethane		ND		180
1,1,2,2-Tetrachloroethane		ND		180
Tetrachloroethene		ND		180
Tetrahydrofuran		ND		1800
Toluene		ND		180
1,2,3-Trichlorobenzene		ND		180
1,2,4-Trichlorobenzene		ND		180
1,1,1-Trichloroethane		ND		180
1,1,2-Trichloroethane		ND		180
Trichloroethene		2600		180
Trichlorofluoromethane		ND		360
1,2,3-Trichloropropane		ND		180
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		910
1,2,4-Trimethylbenzene		ND		180
1,3,5-Trimethylbenzene		ND		180
Vinyl chloride		ND		180
Ethylene Dibromide		ND		180
trans-1,4-Dichloro-2-butene		ND		360
trans-1,2-Dichloroethene		ND		180
m-Xylene & p-Xylene		ND		360
o-Xylene		ND		180

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	109	70 - 130
Dibromofluoromethane	89	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-6 2-4'

Lab Sample ID:	360-18469-11			Date Sampled:	08/28/2008 1620
Client Matrix:	Solid	% Moisture:	5.8	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35869		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35872		Lab File ID:	V39990.D
Dilution:	1.0			Initial Weight/Volume:	2.12 g
Date Analyzed:	09/04/2008 2223			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1152				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		31000
Acrylonitrile		ND		310
Benzene		ND		310
Bromobenzene		ND		310
n-Butylbenzene		ND		310
sec-Butylbenzene		ND		310
tert-Butylbenzene		ND		310
Dichlorobromomethane		ND		310
Bromoform		ND		310
Bromomethane		ND		630
2-Butanone (MEK)		ND		3100
Carbon disulfide		ND		310
Carbon tetrachloride		ND		310
Chlorobenzene		ND		310
Chloroethane		ND		630
Chloroform		ND		310
Chloromethane		ND		630
2-Chlorotoluene		ND		310
4-Chlorotoluene		ND		310
Chlorodibromomethane		ND		310
1,2-Dibromo-3-Chloropropane		ND		630
Dibromomethane		ND		310
1,2-Dichlorobenzene		ND		310
1,3-Dichlorobenzene		ND		310
1,4-Dichlorobenzene		ND		310
Dichlorodifluoromethane		ND		630
1,1-Dichloroethene		ND		310
1,1-Dichloroethane		ND		310
1,2-Dichloroethane		ND		310
cis-1,2-Dichloroethene		ND		310
1,2-Dichloropropane		ND		310
1,3-Dichloropropane		ND		310
2,2-Dichloropropane		ND		310
1,1-Dichloropropene		ND		310
cis-1,3-Dichloropropene		ND		310
trans-1,3-Dichloropropene		ND		310
Ethylbenzene		ND		310
Hexachlorobutadiene		ND		310
2-Hexanone		ND		3100
Isopropylbenzene		ND		310
4-Isopropyltoluene		ND		310
Methylene Chloride		ND		1300
4-Methyl-2-pentanone (MIBK)		ND		3100
Methyl tert-butyl ether		ND		310

Analytical Data

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-6 2-4'

Lab Sample ID:	360-18469-11			Date Sampled:	08/28/2008 1620
Client Matrix:	Solid	% Moisture:	5.8	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35869		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35872		Lab File ID:	V39990.D
Dilution:	1.0			Initial Weight/Volume:	2.12 g
Date Analyzed:	09/04/2008 2223			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1152				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		3100
N-Propylbenzene		ND		310
Styrene		ND		310
1,1,1,2-Tetrachloroethane		ND		310
1,1,2,2-Tetrachloroethane		ND		310
Tetrachloroethene		ND		310
Tetrahydrofuran		ND		3100
Toluene		ND		310
1,2,3-Trichlorobenzene		ND		310
1,2,4-Trichlorobenzene		ND		310
1,1,1-Trichloroethane		ND		310
1,1,2-Trichloroethane		ND		310
Trichloroethene		12000		310
Trichlorofluoromethane		ND		630
1,2,3-Trichloropropane		ND		310
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1600
1,2,4-Trimethylbenzene		ND		310
1,3,5-Trimethylbenzene		ND		310
Vinyl chloride		ND		310
Ethylene Dibromide		ND		310
trans-1,4-Dichloro-2-butene		ND		630
trans-1,2-Dichloroethene		ND		310
m-Xylene & p-Xylene		ND		630
o-Xylene		ND		310

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	108	70 - 130
Dibromofluoromethane	89	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-6 2-4'**

Lab Sample ID: 360-18469-11
Client Matrix: Solid

Date Sampled: 08/28/2008 1620
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/09/2008 1910
Date Prepared: 09/09/2008 1910
Date Leached: 09/07/2008 1519

Analysis Batch: 220-19796
Leachate Batch: 220-19709

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7695.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND	*	5.0
Acetone		ND		10
Methylene Chloride		ND		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		26		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND	*	5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	*	5.0

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-6 2-4'

Lab Sample ID: 360-18469-11
Client Matrix: Solid

Date Sampled: 08/28/2008 1620
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/09/2008 1910
Date Prepared: 09/09/2008 1910
Date Leached: 09/07/2008 1519

Analysis Batch: 220-19796
Leachate Batch: 220-19709

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7695.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND	*	5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND	*	5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	53 - 125
4-Bromofluorobenzene	83	73 - 127
Dibromofluoromethane	109	54 - 137
Toluene-d8 (Surr)	91	63 - 121

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-7 2-4'**

Lab Sample ID: 360-18469-12
Client Matrix: Solid

Date Sampled: 08/28/2008 1628
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/10/2008 1510
Date Prepared: 09/10/2008 1510
Date Leached: 09/07/2008 1520

Analysis Batch: 220-19816
Leachate Batch: 220-19709

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L9543.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND		5.0
Acetone		ND		10
Methylene Chloride		ND		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		190		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND		5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5.0

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-7 2-4'**

Lab Sample ID: 360-18469-12
Client Matrix: Solid

Date Sampled: 08/28/2008 1628
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/10/2008 1510
Date Prepared: 09/10/2008 1510
Date Leached: 09/07/2008 1520

Analysis Batch: 220-19816
Leachate Batch: 220-19709

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L9543.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND		5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND	*	25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND	*	5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND	*	5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND	*	5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND	*	5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	53 - 125
4-Bromofluorobenzene	118	73 - 127
Dibromofluoromethane	91	54 - 137
Toluene-d8 (Surr)	84	63 - 121

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-7 2-4'

Lab Sample ID: 360-18469-12
Client Matrix: Solid
% Moisture: 12.1
Date Sampled: 08/28/2008 1628
Date Received: 08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/04/2008 2247
Date Prepared: 09/04/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39991.D
Initial Weight/Volume: 1.52 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		47000
Acrylonitrile		ND		470
Benzene		ND		470
Bromobenzene		ND		470
n-Butylbenzene		ND		470
sec-Butylbenzene		ND		470
tert-Butylbenzene		ND		470
Dichlorobromomethane		ND		470
Bromoform		ND		470
Bromomethane		ND		940
2-Butanone (MEK)		ND		4700
Carbon disulfide		ND		470
Carbon tetrachloride		ND		470
Chlorobenzene		ND		470
Chloroethane		ND		940
Chloroform		ND		470
Chloromethane		ND		940
2-Chlorotoluene		ND		470
4-Chlorotoluene		ND		470
Chlorodibromomethane		ND		470
1,2-Dibromo-3-Chloropropane		ND		940
Dibromomethane		ND		470
1,2-Dichlorobenzene		ND		470
1,3-Dichlorobenzene		ND		470
1,4-Dichlorobenzene		ND		470
Dichlorodifluoromethane		ND		940
1,1-Dichloroethene		ND		470
1,1-Dichloroethane		ND		470
1,2-Dichloroethane		ND		470
cis-1,2-Dichloroethene		ND		470
1,2-Dichloropropane		ND		470
1,3-Dichloropropane		ND		470
2,2-Dichloropropane		ND		470
1,1-Dichloropropene		ND		470
cis-1,3-Dichloropropene		ND		470
trans-1,3-Dichloropropene		ND		470
Ethylbenzene		ND		470
Hexachlorobutadiene		ND		470
2-Hexanone		ND		4700
Isopropylbenzene		ND		470
4-Isopropyltoluene		ND		470
Methylene Chloride		ND		1900
4-Methyl-2-pentanone (MIBK)		ND		4700
Methyl tert-butyl ether		ND		470

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-7 2-4'

Lab Sample ID:	360-18469-12			Date Sampled:	08/28/2008 1628
Client Matrix:	Solid	% Moisture:	12.1	Date Received:	08/29/2008 1130

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-35869		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-35872		Lab File ID:	V39991.D
Dilution:	1.0			Initial Weight/Volume:	1.52 g
Date Analyzed:	09/04/2008 2247			Final Weight/Volume:	5 g
Date Prepared:	09/04/2008 1152				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		4700
N-Propylbenzene		ND		470
Styrene		ND		470
1,1,1,2-Tetrachloroethane		ND		470
1,1,2,2-Tetrachloroethane		ND		470
Tetrachloroethene		740		470
Tetrahydrofuran		ND		4700
Toluene		ND		470
1,2,3-Trichlorobenzene		ND		470
1,2,4-Trichlorobenzene		ND		470
1,1,1-Trichloroethane		ND		470
1,1,2-Trichloroethane		ND		470
Trichloroethene		27000		470
Trichlorofluoromethane		ND		940
1,2,3-Trichloropropane		ND		470
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2300
1,2,4-Trimethylbenzene		ND		470
1,3,5-Trimethylbenzene		ND		470
Vinyl chloride		ND		470
Ethylene Dibromide		ND		470
trans-1,4-Dichloro-2-butene		ND		940
trans-1,2-Dichloroethene		ND		470
m-Xylene & p-Xylene		ND		940
o-Xylene		ND		470

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	108	70 - 130
Dibromofluoromethane	88	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-23 0-2'**

Lab Sample ID:	360-18469-2			Date Sampled:	08/28/2008 1538
Client Matrix:	Solid	% Moisture:	10.5	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2828.D
Dilution:	1000			Initial Weight/Volume:	10.50 g
Date Analyzed:	09/04/2008 1905			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		110000
PCB-1221		ND		110000
PCB-1232		ND		110000
PCB-1242		ND		110000
PCB-1248		ND		110000
PCB-1254		660000		110000
PCB-1260		ND		110000
PCB-1262		ND		110000
PCB-1268		ND		110000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D X	30 - 150
Tetrachloro-m-xylene	0	D X	30 - 150

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-23 2-4'**

Lab Sample ID:	360-18469-3			Date Sampled:	08/28/2008 1540
Client Matrix:	Solid	% Moisture:	7.8	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2829.D
Dilution:	200			Initial Weight/Volume:	10.46 g
Date Analyzed:	09/04/2008 1926			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		21000
PCB-1221		ND		21000
PCB-1232		ND		21000
PCB-1242		ND		21000
PCB-1248		ND		21000
PCB-1254		230000		21000
PCB-1260		ND		21000
PCB-1262		ND		21000
PCB-1268		ND		21000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D X	30 - 150
Tetrachloro-m-xylene	0	D X	30 - 150

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **DUP 5**

Lab Sample ID:	360-18469-4			Date Sampled:	08/28/2008 1540
Client Matrix:	Solid	% Moisture:	5.7	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2830.D
Dilution:	200			Initial Weight/Volume:	10.75 g
Date Analyzed:	09/04/2008 1947			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		20000
PCB-1221		ND		20000
PCB-1232		ND		20000
PCB-1242		ND		20000
PCB-1248		ND		20000
PCB-1254		300000		20000
PCB-1260		ND		20000
PCB-1262		ND		20000
PCB-1268		ND		20000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D X	30 - 150
Tetrachloro-m-xylene	0	D X	30 - 150

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-26 0-2'

Lab Sample ID:	360-18469-5			Date Sampled:	08/28/2008 1544
Client Matrix:	Solid	% Moisture:	5.7	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2831.D
Dilution:	50			Initial Weight/Volume:	10.71 g
Date Analyzed:	09/04/2008 2008			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		5000
PCB-1221		ND		5000
PCB-1232		ND		5000
PCB-1242		ND		5000
PCB-1248		ND		5000
PCB-1254		47000		5000
PCB-1260		ND		5000
PCB-1262		ND		5000
PCB-1268		ND		5000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D X	30 - 150
Tetrachloro-m-xylene	0	D X	30 - 150

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-26 2-4'**

Lab Sample ID:	360-18469-6			Date Sampled:	08/28/2008 1549
Client Matrix:	Solid	% Moisture:	7.1	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2832.D
Dilution:	100			Initial Weight/Volume:	10.13 g
Date Analyzed:	09/04/2008 2029			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		11000
PCB-1221		ND		11000
PCB-1232		ND		11000
PCB-1242		ND		11000
PCB-1248		ND		11000
PCB-1254		120000		11000
PCB-1260		ND		11000
PCB-1262		ND		11000
PCB-1268		ND		11000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D X	30 - 150
Tetrachloro-m-xylene	0	D X	30 - 150

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-25 0-2'**

Lab Sample ID:	360-18469-8			Date Sampled:	08/28/2008 1557
Client Matrix:	Solid	% Moisture:	10.6	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2833.D
Dilution:	20			Initial Weight/Volume:	10.90 g
Date Analyzed:	09/04/2008 2050			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		2100
PCB-1221		ND		2100
PCB-1232		ND		2100
PCB-1242		ND		2100
PCB-1248		ND		2100
PCB-1254		15000		2100
PCB-1260		ND		2100
PCB-1262		ND		2100
PCB-1268		ND		2100

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D X	30 - 150
Tetrachloro-m-xylene	0	D X	30 - 150

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-24 0-2'

Lab Sample ID:	360-18469-9			Date Sampled:	08/28/2008 1607
Client Matrix:	Solid	% Moisture:	6.0	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2834.D
Dilution:	5.0			Initial Weight/Volume:	10.65 g
Date Analyzed:	09/04/2008 2111			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	RL
PCB-1016	ND		500
PCB-1221	ND		500
PCB-1232	ND		500
PCB-1242	ND		500
PCB-1248	ND		500
PCB-1254	5600		500
PCB-1260	ND		500
PCB-1262	ND		500
PCB-1268	ND		500

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	106		30 - 150
Tetrachloro-m-xylene	235	X	30 - 150

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-24 2-4'

Lab Sample ID:	360-18469-10			Date Sampled:	08/28/2008 1610
Client Matrix:	Solid	% Moisture:	10.8	Date Received:	08/29/2008 1130

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-35811		Instrument ID:	5890II GC w/ dual ECDs
Preparation:	3546	Prep Batch: 360-35770		Lab File ID:	H2848.D
Dilution:	500			Initial Weight/Volume:	10.30 g
Date Analyzed:	09/05/2008 1125			Final Weight/Volume:	10.00 mL
Date Prepared:	09/03/2008 1130			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		ND		54000
PCB-1221		ND		54000
PCB-1232		ND		54000
PCB-1242		ND		54000
PCB-1248		ND		54000
PCB-1254		380000		54000
PCB-1260		ND		54000
PCB-1262		ND		54000
PCB-1268		ND		54000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	D X	30 - 150
Tetrachloro-m-xylene	0	D X	30 - 150

Analytical Data

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-23 0-2'

Lab Sample ID:	360-18469-2			Date Sampled:	08/28/2008 1538
Client Matrix:	Solid	% Moisture:	10.5	Date Received:	08/29/2008 1130

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-35820		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-35785		Lab File ID:	F11568.D
Dilution:	1.0			Initial Weight/Volume:	30.37 g
Date Analyzed:	09/04/2008 0004			Final Weight/Volume:	1.0 mL
Date Prepared:	09/03/2008 1410			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (mg/Kg)	Qualifier	RL
C9-C36	360		3.6

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	58	50 - 150

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-23 2-4'**

Lab Sample ID:	360-18469-3			Date Sampled:	08/28/2008 1540
Client Matrix:	Solid	% Moisture:	7.8	Date Received:	08/29/2008 1130

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-35820		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-35785		Lab File ID:	F11569.D
Dilution:	1.0			Initial Weight/Volume:	30.42 g
Date Analyzed:	09/04/2008 0036			Final Weight/Volume:	1.0 mL
Date Prepared:	09/03/2008 1410			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (mg/Kg)	Qualifier	RL
C9-C36	260		3.5

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	67	50 - 150

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **DUP 5**

Lab Sample ID:	360-18469-4			Date Sampled:	08/28/2008 1540
Client Matrix:	Solid	% Moisture:	5.7	Date Received:	08/29/2008 1130

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-35820		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-35785		Lab File ID:	F11572.D
Dilution:	1.0			Initial Weight/Volume:	30.17 g
Date Analyzed:	09/04/2008 0211			Final Weight/Volume:	1.0 mL
Date Prepared:	09/03/2008 1410			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		180		3.5

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

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-26 0-2'**

Lab Sample ID:	360-18469-5			Date Sampled:	08/28/2008 1544
Client Matrix:	Solid	% Moisture:	5.7	Date Received:	08/29/2008 1130

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-35820		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-35785		Lab File ID:	F11573.D
Dilution:	10			Initial Weight/Volume:	30.18 g
Date Analyzed:	09/04/2008 0242			Final Weight/Volume:	1.0 mL
Date Prepared:	09/03/2008 1410			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		1200		35

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	117	50 - 150

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-26 2-4'

Lab Sample ID:	360-18469-6			Date Sampled:	08/28/2008 1549
Client Matrix:	Solid	% Moisture:	7.1	Date Received:	08/29/2008 1130

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-35820		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-35785		Lab File ID:	F11574.D
Dilution:	10			Initial Weight/Volume:	30.10 g
Date Analyzed:	09/04/2008 0314			Final Weight/Volume:	1.0 mL
Date Prepared:	09/03/2008 1410			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (mg/Kg)	Qualifier	RL
C9-C36	570		35

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	75	50 - 150

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-25 0-2'**

Lab Sample ID:	360-18469-8			Date Sampled:	08/28/2008 1557
Client Matrix:	Solid	% Moisture:	10.6	Date Received:	08/29/2008 1130

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-35820		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-35785		Lab File ID:	F11575.D
Dilution:	10			Initial Weight/Volume:	30.14 g
Date Analyzed:	09/04/2008 0346			Final Weight/Volume:	1.0 mL
Date Prepared:	09/03/2008 1410			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (mg/Kg)	Qualifier	RL
C9-C36	850		37

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	87	50 - 150

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: **R1-24 0-2'**

Lab Sample ID:	360-18469-9			Date Sampled:	08/28/2008 1607
Client Matrix:	Solid	% Moisture:	6.0	Date Received:	08/29/2008 1130

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-35820		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-35785		Lab File ID:	F11576.D
Dilution:	10			Initial Weight/Volume:	30.72 g
Date Analyzed:	09/04/2008 0417			Final Weight/Volume:	1.0 mL
Date Prepared:	09/03/2008 1410			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		1400		34

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

Client: Tighe & Bond

Job Number: 360-18469-1

Client Sample ID: R1-24 2-4'

Lab Sample ID:	360-18469-10			Date Sampled:	08/28/2008 1610
Client Matrix:	Solid	% Moisture:	10.8	Date Received:	08/29/2008 1130

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-35820		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-35785		Lab File ID:	F11577.D
Dilution:	10			Initial Weight/Volume:	30.77 g
Date Analyzed:	09/04/2008 0449			Final Weight/Volume:	1.0 mL
Date Prepared:	09/03/2008 1410			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C9-C36		1200		36

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

General Chemistry

Client Sample ID: DUP 4

Lab Sample ID: 360-18469-1
Client Matrix: Solid

Date Sampled: 08/28/2008 1518
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.4		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35839		Date Analyzed		09/04/2008 1450			
Percent Solids	95		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35839		Date Analyzed		09/04/2008 1450			

Client Sample ID: R1-23 0-2'

Lab Sample ID: 360-18469-2
Client Matrix: Solid

Date Sampled: 08/28/2008 1538
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758		Date Analyzed		09/03/2008 0902			
Percent Solids	90		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758		Date Analyzed		09/03/2008 0902			

Client Sample ID: R1-23 2-4'

Lab Sample ID: 360-18469-3
Client Matrix: Solid

Date Sampled: 08/28/2008 1540
Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.8		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758		Date Analyzed		09/03/2008 0902			
Percent Solids	92		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35758		Date Analyzed		09/03/2008 0902			

General Chemistry

Client Sample ID: DUP 5

Lab Sample ID: 360-18469-4 Date Sampled: 08/28/2008 1540
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.7		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	94		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-26 0-2'

Lab Sample ID: 360-18469-5 Date Sampled: 08/28/2008 1544
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.7		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	94		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-26 2-4'

Lab Sample ID: 360-18469-6 Date Sampled: 08/28/2008 1549
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.1		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	93		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-25 0-2'

Lab Sample ID: 360-18469-8 Date Sampled: 08/28/2008 1557
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	89		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

General Chemistry

Client Sample ID: R1-24 0-2'

Lab Sample ID: 360-18469-9 Date Sampled: 08/28/2008 1607
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.0		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	94		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-24 2-4'

Lab Sample ID: 360-18469-10 Date Sampled: 08/28/2008 1610
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	89		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-6 2-4'

Lab Sample ID: 360-18469-11 Date Sampled: 08/28/2008 1620
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.8		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	94		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

Client Sample ID: R1-7 2-4'

Lab Sample ID: 360-18469-12 Date Sampled: 08/28/2008 1628
Client Matrix: Solid Date Received: 08/29/2008 1130

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			
Percent Solids	88		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35758		Date Analyzed	09/03/2008 0902			

DATA REPORTING QUALIFIERS

Client: Tighe & Bond

Job Number: 360-18469-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
GC Semi VOA		
	F	MS or MSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate exceeds the 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.

QUALITY CONTROL RESULTS

Client: Tighe & Bond

Job Number: 360-18469-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 220-19649					
LB 220-19649/10-A	TCLP SPLPE Leachate Blank	F	Solid	1312	
Prep Batch: 220-19702					
360-18469-1	DUP 4	F	Solid	1312	
360-18469-5	R1-26 0-2'	F	Solid	1312	
360-18469-6	R1-26 2-4'	F	Solid	1312	
360-18469-8	R1-25 0-2'	F	Solid	1312	
Prep Batch: 220-19709					
LB 220-19709/8-A	TCLP SPLPE Leachate Blank	F	Solid	1312	
360-18469-9	R1-24 0-2'	F	Solid	1312	
360-18469-10	R1-24 2-4'	F	Solid	1312	
360-18469-11	R1-6 2-4'	F	Solid	1312	
360-18469-12	R1-7 2-4'	F	Solid	1312	
Analysis Batch:220-19746					
LB 220-19649/10-A	TCLP SPLPE Leachate Blank	F	Solid	8260B	
LCS 220-19746/2	Lab Control Spike	T	Water	8260B	
MB 220-19746/3	Method Blank	T	Water	8260B	
360-18469-1	DUP 4	F	Solid	8260B	
360-18469-5	R1-26 0-2'	F	Solid	8260B	
Analysis Batch:220-19796					
LB 220-19709/8-A	TCLP SPLPE Leachate Blank	F	Solid	8260B	
LCS 220-19796/2	Lab Control Spike	T	Water	8260B	
MB 220-19796/3	Method Blank	T	Water	8260B	
360-18469-6	R1-26 2-4'	F	Solid	8260B	
360-18469-8	R1-25 0-2'	F	Solid	8260B	
360-18469-9	R1-24 0-2'	F	Solid	8260B	
360-18469-11	R1-6 2-4'	F	Solid	8260B	
Analysis Batch:220-19816					
LCS 220-19816/2	Lab Control Spike	T	Water	8260B	
MSB 220-19816/14	Matrix Spike Blank	T	Water	8260B	
MB 220-19816/7	Method Blank	T	Water	8260B	
360-18469-10	R1-24 2-4'	F	Solid	8260B	
360-18469-12	R1-7 2-4'	F	Solid	8260B	

Client: Tighe & Bond

Job Number: 360-18469-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:360-35869					
LCS 360-35872/1-A	Lab Control Spike	T	Solid	8260B	360-35872
LCSD 360-35872/2-A	Lab Control Spike Duplicate	T	Solid	8260B	360-35872
MB 360-35872/3-A	Method Blank	T	Solid	8260B	360-35872
360-18469-6	R1-26 2-4'	T	Solid	8260B	360-35872
360-18469-10	R1-24 2-4'	T	Solid	8260B	360-35872
360-18469-11	R1-6 2-4'	T	Solid	8260B	360-35872
360-18469-12	R1-7 2-4'	T	Solid	8260B	360-35872
Prep Batch: 360-35872					
LCS 360-35872/1-A	Lab Control Spike	T	Solid	5035	
LCSD 360-35872/2-A	Lab Control Spike Duplicate	T	Solid	5035	
MB 360-35872/3-A	Method Blank	T	Solid	5035	
360-18469-6	R1-26 2-4'	T	Solid	5035	
360-18469-10	R1-24 2-4'	T	Solid	5035	
360-18469-11	R1-6 2-4'	T	Solid	5035	
360-18469-12	R1-7 2-4'	T	Solid	5035	
Analysis Batch:360-35923					
LCS 360-35923/1	Lab Control Spike	T	Solid	8260B	
LCSD 360-35923/2	Lab Control Spike Duplicate	T	Solid	8260B	
MB 360-35923/3	Method Blank	T	Solid	8260B	
360-18469-1	DUP 4	T	Solid	8260B	360-35929
360-18469-5	R1-26 0-2'	T	Solid	8260B	360-35929
360-18469-8	R1-25 0-2'	T	Solid	8260B	360-35929
360-18469-9	R1-24 0-2'	T	Solid	8260B	360-35929
Prep Batch: 360-35929					
360-18469-1	DUP 4	T	Solid	5035	
360-18469-5	R1-26 0-2'	T	Solid	5035	
360-18469-8	R1-25 0-2'	T	Solid	5035	
360-18469-9	R1-24 0-2'	T	Solid	5035	

Report Basis
F = SPLP
T = Total

Client: Tighe & Bond

Job Number: 360-18469-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 360-35770					
LCS 360-35770/2-A	Lab Control Spike	T	Solid	3546	
LCSD 360-35770/3-A	Lab Control Spike Duplicate	T	Solid	3546	
MB 360-35770/1-A	Method Blank	T	Solid	3546	
360-18469-2	R1-23 0-2'	T	Solid	3546	
360-18469-3	R1-23 2-4'	T	Solid	3546	
360-18469-4	DUP 5	T	Solid	3546	
360-18469-5	R1-26 0-2'	T	Solid	3546	
360-18469-6	R1-26 2-4'	T	Solid	3546	
360-18469-8	R1-25 0-2'	T	Solid	3546	
360-18469-9	R1-24 0-2'	T	Solid	3546	
360-18469-10	R1-24 2-4'	T	Solid	3546	
Prep Batch: 360-35785					
LCS 360-35785/2-A	Lab Control Spike	T	Solid	3546	
LCSD 360-35785/3-A	Lab Control Spike Duplicate	T	Solid	3546	
MB 360-35785/1-A	Method Blank	T	Solid	3546	
360-18469-2	R1-23 0-2'	T	Solid	3546	
360-18469-3	R1-23 2-4'	T	Solid	3546	
360-18469-3MS	Matrix Spike	T	Solid	3546	
360-18469-3MSD	Matrix Spike Duplicate	T	Solid	3546	
360-18469-4	DUP 5	T	Solid	3546	
360-18469-5	R1-26 0-2'	T	Solid	3546	
360-18469-6	R1-26 2-4'	T	Solid	3546	
360-18469-8	R1-25 0-2'	T	Solid	3546	
360-18469-9	R1-24 0-2'	T	Solid	3546	
360-18469-10	R1-24 2-4'	T	Solid	3546	
Analysis Batch:360-35811					
LCS 360-35770/2-A	Lab Control Spike	T	Solid	8082	360-35770
LCSD 360-35770/3-A	Lab Control Spike Duplicate	T	Solid	8082	360-35770
MB 360-35770/1-A	Method Blank	T	Solid	8082	360-35770
360-18469-2	R1-23 0-2'	T	Solid	8082	360-35770
360-18469-3	R1-23 2-4'	T	Solid	8082	360-35770
360-18469-4	DUP 5	T	Solid	8082	360-35770
360-18469-5	R1-26 0-2'	T	Solid	8082	360-35770
360-18469-6	R1-26 2-4'	T	Solid	8082	360-35770
360-18469-8	R1-25 0-2'	T	Solid	8082	360-35770
360-18469-9	R1-24 0-2'	T	Solid	8082	360-35770
360-18469-10	R1-24 2-4'	T	Solid	8082	360-35770

Client: Tighe & Bond

Job Number: 360-18469-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:360-35820					
LCS 360-35785/2-A	Lab Control Spike	T	Solid	CT ETPH	360-35785
LCSD 360-35785/3-A	Lab Control Spike Duplicate	T	Solid	CT ETPH	360-35785
MB 360-35785/1-A	Method Blank	T	Solid	CT ETPH	360-35785
360-18469-2	R1-23 0-2'	T	Solid	CT ETPH	360-35785
360-18469-3	R1-23 2-4'	T	Solid	CT ETPH	360-35785
360-18469-3MS	Matrix Spike	T	Solid	CT ETPH	360-35785
360-18469-3MSD	Matrix Spike Duplicate	T	Solid	CT ETPH	360-35785
360-18469-4	DUP 5	T	Solid	CT ETPH	360-35785
360-18469-5	R1-26 0-2'	T	Solid	CT ETPH	360-35785
360-18469-6	R1-26 2-4'	T	Solid	CT ETPH	360-35785
360-18469-8	R1-25 0-2'	T	Solid	CT ETPH	360-35785
360-18469-9	R1-24 0-2'	T	Solid	CT ETPH	360-35785
360-18469-10	R1-24 2-4'	T	Solid	CT ETPH	360-35785

Report Basis
T = Total

General Chemistry					
Analysis Batch:360-35758					
360-18469-2	R1-23 0-2'	T	Solid	PercentMoisture	
360-18469-3	R1-23 2-4'	T	Solid	PercentMoisture	
360-18469-4	DUP 5	T	Solid	PercentMoisture	
360-18469-5	R1-26 0-2'	T	Solid	PercentMoisture	
360-18469-6	R1-26 2-4'	T	Solid	PercentMoisture	
360-18469-8	R1-25 0-2'	T	Solid	PercentMoisture	
360-18469-9	R1-24 0-2'	T	Solid	PercentMoisture	
360-18469-10	R1-24 2-4'	T	Solid	PercentMoisture	
360-18469-11	R1-6 2-4'	T	Solid	PercentMoisture	
360-18469-12	R1-7 2-4'	T	Solid	PercentMoisture	
360-18469-12DU	Duplicate	T	Solid	PercentMoisture	
Analysis Batch:360-35839					
360-18469-1	DUP 4	T	Solid	PercentMoisture	

Report Basis
T = Total

Client: Tighe & Bond

Job Number: 360-18469-1

Method Blank - Batch: 220-19746

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-19746/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/07/2008 1354
Date Prepared: 09/07/2008 1354

Analysis Batch: 220-19746
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8572.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloromethane	ND		5.0
Vinyl chloride	ND		5.0
Bromomethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Carbon disulfide	ND		5.0
Acetone	ND		10
Methylene Chloride	ND		5.0
1,1-Dichloroethane	ND		5.0
Methyl Ethyl Ketone	ND		10
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Bromodichloromethane	ND		5.0
methyl isobutyl ketone	ND		10
Toluene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Dibromochloromethane	ND		5.0
Chlorobenzene	ND		5.0
Ethylbenzene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
Acrylonitrile	ND		10
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dibromoethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methyl tert-butyl ether	ND		5.0
Isopropylbenzene	ND		5.0

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

Client: Tighe & Bond

Job Number: 360-18469-1

Method Blank - Batch: 220-19746

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-19746/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/07/2008 1354
Date Prepared: 09/07/2008 1354

Analysis Batch: 220-19746
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8572.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
N-Propylbenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
trans-1,4-Dichloro-2-butene	ND		10
Acrolein	ND		25
Acetonitrile	ND		50
1,3-Dichloropropane	ND		5.0
Xylenes, Total	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,2-Dichloroethene, Total	ND		5.0
m&p-Xylene	ND		5.0
o-Xylene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Tetrahydrofuran	ND		10
Dichlorodifluoromethane	ND		5.0
Chloroethane	ND		5.0
Hexachlorobutadiene	ND		5.0
Dibromomethane	ND		5.0
1,1-Dichloropropene	ND		5.0
Naphthalene	ND		5.0
Bromobenzene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
2-Hexanone	ND		10
2,2-Dichloropropane	ND		5.0
1,2,3-Trichloropropane	ND		5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	53 - 125
4-Bromofluorobenzene	114	73 - 127
Dibromofluoromethane	97	54 - 137
Toluene-d8 (Surr)	96	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18469-1

TCLP SPLPE Leachate Blank - Batch: 220-19746

Method: 8260B
Preparation: 5030B
SPLP

Lab Sample ID: LB 220-19649/10-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/07/2008 1421
Date Prepared: 09/07/2008 1421
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19746
Prep Batch: N/A
Units: ug/L

Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8573.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloromethane	ND		5.0
Vinyl chloride	ND		5.0
Bromomethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Carbon disulfide	ND		5.0
Acetone	ND		10
Methylene Chloride	ND		5.0
1,1-Dichloroethane	ND		5.0
Methyl Ethyl Ketone	ND		10
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Bromodichloromethane	ND		5.0
methyl isobutyl ketone	ND		10
Toluene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Dibromochloromethane	ND		5.0
Chlorobenzene	ND		5.0
Ethylbenzene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
Acrylonitrile	ND		10
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dibromoethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methyl tert-butyl ether	ND		5.0
Isopropylbenzene	ND		5.0

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

Client: Tighe & Bond

Job Number: 360-18469-1

TCLP SPLPE Leachate Blank - Batch: 220-19746

Method: 8260B
Preparation: 5030B
SPLP

Lab Sample ID: LB 220-19649/10-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/07/2008 1421
Date Prepared: 09/07/2008 1421
Date Leached: 09/04/2008 1453

Analysis Batch: 220-19746
Prep Batch: N/A
Units: ug/L

Leachate Batch: 220-19649

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8573.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
N-Propylbenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
trans-1,4-Dichloro-2-butene	ND		10
Acrolein	ND		25
Acetonitrile	ND		50
1,3-Dichloropropane	ND		5.0
Xylenes, Total	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,2-Dichloroethene, Total	ND		5.0
m&p-Xylene	ND		5.0
o-Xylene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Tetrahydrofuran	ND		10
Dichlorodifluoromethane	ND		5.0
Chloroethane	ND		5.0
Hexachlorobutadiene	ND		5.0
Dibromomethane	ND		5.0
1,1-Dichloropropene	ND		5.0
Naphthalene	ND		5.0
Bromobenzene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
2-Hexanone	ND		10
2,2-Dichloropropane	ND		5.0
1,2,3-Trichloropropane	ND		5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112	53 - 125
4-Bromofluorobenzene	120	73 - 127
Dibromofluoromethane	103	54 - 137
Toluene-d8 (Surr)	100	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18469-1

Lab Control Spike - Batch: 220-19746

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-19746/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/07/2008 1301
Date Prepared: 09/07/2008 1301

Analysis Batch: 220-19746
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: W8570.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	10.0	7.70	77	43 - 134	
Vinyl chloride	10.0	8.69	87	51 - 139	
Bromomethane	10.0	7.75	77	27 - 171	
1,1-Dichloroethene	10.0	9.93	99	57 - 137	
Carbon disulfide	10.0	9.80	98	44 - 142	
Acetone	10.0	13.4	134	18 - 263	
Methylene Chloride	10.0	10.6	106	61 - 129	
1,1-Dichloroethane	10.0	11.3	113	67 - 121	
Methyl Ethyl Ketone	10.0	12.1	121	30 - 222	
Chloroform	10.0	11.5	115	70 - 124	
1,1,1-Trichloroethane	10.0	11.4	114	60 - 128	
Carbon tetrachloride	10.0	11.4	114	56 - 131	
Benzene	10.0	10.9	109	68 - 126	
1,2-Dichloroethane	10.0	11.8	118	68 - 124	
Trichloroethene	10.0	9.85	99	58 - 125	
1,2-Dichloropropane	10.0	11.4	114	69 - 122	
Bromodichloromethane	10.0	11.2	112	67 - 118	
methyl isobutyl ketone	10.0	10.4	104	61 - 140	
Toluene	10.0	10.3	103	70 - 116	
1,1,2-Trichloroethane	10.0	10.8	108	70 - 119	
Tetrachloroethene	10.0	9.08	91	62 - 118	
Dibromochloromethane	10.0	10.5	105	65 - 114	
Chlorobenzene	10.0	9.92	99	71 - 114	
Ethylbenzene	10.0	9.83	98	71 - 115	
Styrene	10.0	8.67	87	69 - 112	
Bromoform	10.0	9.53	95	63 - 115	
1,1,2,2-Tetrachloroethane	10.0	11.2	112	66 - 129	
cis-1,2-Dichloroethene	10.0	10.5	105	65 - 120	
trans-1,2-Dichloroethene	10.0	9.66	97	57 - 129	
Xylenes, Total	30.0	29.5	98	66 - 118	
cis-1,3-Dichloropropene	10.0	10.9	109	60 - 122	
trans-1,3-Dichloropropene	10.0	11.7	117	55 - 126	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	53 - 125
4-Bromofluorobenzene	108	73 - 127
Dibromofluoromethane	94	54 - 137
Toluene-d8 (Surr)	95	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18469-1

Method Blank - Batch: 220-19796

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-19796/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/09/2008 1122
Date Prepared: 09/09/2008 1122

Analysis Batch: 220-19796
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7678.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloromethane	ND		5.0
Vinyl chloride	ND		5.0
Bromomethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Carbon disulfide	ND		5.0
Acetone	ND		10
Methylene Chloride	ND		5.0
1,1-Dichloroethane	ND		5.0
Methyl Ethyl Ketone	ND		10
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Bromodichloromethane	ND		5.0
methyl isobutyl ketone	ND		10
Toluene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Dibromochloromethane	ND		5.0
Chlorobenzene	ND		5.0
Ethylbenzene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
Acrylonitrile	ND		10
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dibromoethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methyl tert-butyl ether	ND		5.0
Isopropylbenzene	ND		5.0

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

Client: Tighe & Bond

Job Number: 360-18469-1

Method Blank - Batch: 220-19796

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-19796/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/09/2008 1122
Date Prepared: 09/09/2008 1122

Analysis Batch: 220-19796
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7678.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
N-Propylbenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
trans-1,4-Dichloro-2-butene	ND		10
Acrolein	ND		25
Acetonitrile	ND		50
1,3-Dichloropropane	ND		5.0
Xylenes, Total	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,2-Dichloroethene, Total	ND		5.0
m&p-Xylene	ND		5.0
o-Xylene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Tetrahydrofuran	ND		10
Dichlorodifluoromethane	ND		5.0
Chloroethane	ND		5.0
Hexachlorobutadiene	ND		5.0
Dibromomethane	ND		5.0
1,1-Dichloropropene	ND		5.0
Naphthalene	ND		5.0
Bromobenzene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
2-Hexanone	ND		10
2,2-Dichloropropane	ND		5.0
1,2,3-Trichloropropane	ND		5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	53 - 125
4-Bromofluorobenzene	83	73 - 127
Dibromofluoromethane	101	54 - 137
Toluene-d8 (Surr)	90	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18469-1

TCLP SPLPE Leachate Blank - Batch: 220-19796

Method: 8260B
Preparation: 5030B
SPLP

Lab Sample ID: LB 220-19709/8-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 1724
Date Prepared: 09/09/2008 1724
Date Leached: 09/07/2008 1523

Analysis Batch: 220-19796
Prep Batch: N/A
Units: ug/L

Leachate Batch: 220-19709

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7691.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloromethane	ND		5.0
Vinyl chloride	ND		5.0
Bromomethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Carbon disulfide	ND		5.0
Acetone	12		10
Methylene Chloride	ND		5.0
1,1-Dichloroethane	ND		5.0
Methyl Ethyl Ketone	ND		10
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Bromodichloromethane	ND		5.0
methyl isobutyl ketone	ND		10
Toluene	5.4		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Dibromochloromethane	ND		5.0
Chlorobenzene	ND		5.0
Ethylbenzene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
Acrylonitrile	ND		10
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dibromoethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methyl tert-butyl ether	ND		5.0
Isopropylbenzene	ND		5.0

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

Client: Tighe & Bond

Job Number: 360-18469-1

TCLP SPLPE Leachate Blank - Batch: 220-19796

Method: 8260B
Preparation: 5030B
SPLP

Lab Sample ID: LB 220-19709/8-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 1724
Date Prepared: 09/09/2008 1724
Date Leached: 09/07/2008 1523

Analysis Batch: 220-19796
Prep Batch: N/A
Units: ug/L

Leachate Batch: 220-19709

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7691.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
N-Propylbenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
trans-1,4-Dichloro-2-butene	ND		10
Acrolein	ND		25
Acetonitrile	ND		50
1,3-Dichloropropane	ND		5.0
Xylenes, Total	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,2-Dichloroethene, Total	ND		5.0
m&p-Xylene	ND		5.0
o-Xylene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Tetrahydrofuran	ND		10
Dichlorodifluoromethane	ND		5.0
Chloroethane	ND		5.0
Hexachlorobutadiene	ND		5.0
Dibromomethane	ND		5.0
1,1-Dichloropropene	ND		5.0
Naphthalene	ND		5.0
Bromobenzene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
2-Hexanone	ND		10
2,2-Dichloropropane	ND		5.0
1,2,3-Trichloropropane	ND		5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	53 - 125
4-Bromofluorobenzene	79	73 - 127
Dibromofluoromethane	103	54 - 137
Toluene-d8 (Surr)	88	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18469-1

Lab Control Spike - Batch: 220-19796

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-19796/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/09/2008 1027
Date Prepared: 09/09/2008 1027

Analysis Batch: 220-19796
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7676.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	10.0	11.0	110	43 - 134	
Vinyl chloride	10.0	10.9	109	51 - 139	
Bromomethane	10.0	7.77	78	27 - 171	
1,1-Dichloroethene	10.0	12.3	123	57 - 137	
Carbon disulfide	10.0	16.3	163	44 - 142	*
Acetone	10.0	18.8	188	18 - 263	
Methylene Chloride	10.0	11.8	118	61 - 129	
1,1-Dichloroethane	10.0	11.4	114	67 - 121	
Methyl Ethyl Ketone	10.0	15.9	159	30 - 222	
Chloroform	10.0	12.0	120	70 - 124	
1,1,1-Trichloroethane	10.0	12.2	122	60 - 128	
Carbon tetrachloride	10.0	12.2	122	56 - 131	
Benzene	10.0	11.3	113	68 - 126	
1,2-Dichloroethane	10.0	12.2	122	68 - 124	
Trichloroethene	10.0	11.7	117	58 - 125	
1,2-Dichloropropane	10.0	10.8	108	69 - 122	
Bromodichloromethane	10.0	11.7	117	67 - 118	
methyl isobutyl ketone	10.0	ND	96	61 - 140	
Toluene	10.0	10.8	108	70 - 116	
1,1,2-Trichloroethane	10.0	10.9	109	70 - 119	
Tetrachloroethene	10.0	11.2	112	62 - 118	
Dibromochloromethane	10.0	11.7	117	65 - 114	*
Chlorobenzene	10.0	10.8	108	71 - 114	
Ethylbenzene	10.0	10.8	108	71 - 115	
Styrene	10.0	9.30	93	69 - 112	
Bromoform	10.0	10.9	109	63 - 115	
1,1,2,2-Tetrachloroethane	10.0	10.7	107	66 - 129	
cis-1,2-Dichloroethene	10.0	11.0	110	65 - 120	
trans-1,2-Dichloroethene	10.0	11.7	117	57 - 129	
Xylenes, Total	30.0	30.6	102	66 - 118	
cis-1,3-Dichloropropene	10.0	10.2	102	60 - 122	
trans-1,3-Dichloropropene	10.0	10.2	102	55 - 126	
Tetrahydrofuran	20.0	19.9	99	70 - 130	
Dichlorodifluoromethane	10.0	17.9	179	70 - 130	*
Chloroethane	10.0	11.2	112	53 - 167	
Hexachlorobutadiene	10.0	8.54	85	70 - 130	
Dibromomethane	10.0	11.2	112	70 - 130	
1,1-Dichloropropene	10.0	11.5	115	70 - 130	
Naphthalene	10.0	8.70	87	70 - 130	
Bromobenzene	10.0	10.5	105	70 - 130	
1,2,3-Trichlorobenzene	10.0	10.0	100	70 - 130	

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

Client: Tighe & Bond

Job Number: 360-18469-1

Lab Control Spike - Batch: 220-19796

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-19796/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/09/2008 1027
Date Prepared: 09/09/2008 1027

Analysis Batch: 220-19796
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7676.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Hexanone	10.0	ND	99	54 - 179	
2,2-Dichloropropane	10.0	12.7	127	70 - 130	
1,2,3-Trichloropropane	10.0	10.7	107	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	53 - 125
4-Bromofluorobenzene	81	73 - 127
Dibromofluoromethane	99	54 - 137
Toluene-d8 (Surr)	90	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18469-1

Method Blank - Batch: 220-19816

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-19816/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/10/2008 0953
Date Prepared: 09/10/2008 0953

Analysis Batch: 220-19816
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L9531.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloromethane	ND		5.0
Vinyl chloride	ND		5.0
Bromomethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Carbon disulfide	ND		5.0
Acetone	ND		10
Methylene Chloride	ND		5.0
1,1-Dichloroethane	ND		5.0
Methyl Ethyl Ketone	ND		10
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Bromodichloromethane	ND		5.0
methyl isobutyl ketone	ND		10
Toluene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Dibromochloromethane	ND		5.0
Chlorobenzene	ND		5.0
Ethylbenzene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
Acrylonitrile	ND		10
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dibromoethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methyl tert-butyl ether	ND		5.0
Isopropylbenzene	ND		5.0

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

Client: Tighe & Bond

Job Number: 360-18469-1

Method Blank - Batch: 220-19816

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-19816/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/10/2008 0953
Date Prepared: 09/10/2008 0953

Analysis Batch: 220-19816
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L9531.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
N-Propylbenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
trans-1,4-Dichloro-2-butene	ND		10
Acrolein	ND		25
Acetonitrile	ND		50
1,3-Dichloropropane	ND		5.0
Xylenes, Total	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,2-Dichloroethene, Total	ND		5.0
m&p-Xylene	ND		5.0
o-Xylene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Tetrahydrofuran	ND		10
Dichlorodifluoromethane	ND		5.0
Chloroethane	ND		5.0
Hexachlorobutadiene	ND		5.0
Dibromomethane	ND		5.0
1,1-Dichloropropene	ND		5.0
Naphthalene	ND		5.0
Bromobenzene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
2-Hexanone	ND		10
2,2-Dichloropropane	ND		5.0
1,2,3-Trichloropropane	ND		5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	53 - 125
4-Bromofluorobenzene	123	73 - 127
Dibromofluoromethane	96	54 - 137
Toluene-d8 (Surr)	90	63 - 121

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

Quality Control Results

Client: Tighe & Bond

Job Number: 360-18469-1

Lab Control Spike - Batch: 220-19816

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-19816/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/10/2008 0928
Date Prepared: 09/10/2008 0928

Analysis Batch: 220-19816
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L9530.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	20.0	21.7	108	43 - 134	
Vinyl chloride	20.0	21.0	105	51 - 139	
Bromomethane	20.0	20.5	102	27 - 171	
1,1-Dichloroethene	20.0	22.3	111	57 - 137	
Carbon disulfide	20.0	23.4	117	44 - 142	
Acetone	20.0	35.9	179	18 - 263	
Methylene Chloride	20.0	22.4	112	61 - 129	
1,1-Dichloroethane	20.0	22.3	112	67 - 121	
Methyl Ethyl Ketone	20.0	28.1	141	30 - 222	
Chloroform	20.0	21.5	107	70 - 124	
1,1,1-Trichloroethane	20.0	21.4	107	60 - 128	
Carbon tetrachloride	20.0	19.8	99	56 - 131	
Benzene	20.0	21.6	108	68 - 126	
1,2-Dichloroethane	20.0	20.7	103	68 - 124	
Trichloroethene	20.0	21.3	107	58 - 125	
1,2-Dichloropropane	20.0	21.5	108	69 - 122	
Bromodichloromethane	20.0	21.6	108	67 - 118	
methyl isobutyl ketone	20.0	19.6	98	61 - 140	
Toluene	20.0	20.3	102	70 - 116	
1,1,2-Trichloroethane	20.0	21.2	106	70 - 119	
Tetrachloroethene	20.0	19.4	97	62 - 118	
Dibromochloromethane	20.0	19.2	96	65 - 114	
Chlorobenzene	20.0	19.6	98	71 - 114	
Ethylbenzene	20.0	19.3	96	71 - 115	
Styrene	20.0	17.8	89	69 - 112	
Bromoform	20.0	18.0	90	63 - 115	
1,1,2,2-Tetrachloroethane	20.0	20.5	103	66 - 129	
cis-1,2-Dichloroethene	20.0	21.9	109	65 - 120	
trans-1,2-Dichloroethene	20.0	22.3	112	57 - 129	
Xylenes, Total	60.0	60.2	100	66 - 118	
cis-1,3-Dichloropropene	20.0	21.4	107	60 - 122	
trans-1,3-Dichloropropene	20.0	20.4	102	55 - 126	
Tetrahydrofuran	40.0	41.3	103	70 - 130	
Dichlorodifluoromethane	20.0	28.8	144	70 - 130	*
Chloroethane	20.0	23.7	118	53 - 167	
Hexachlorobutadiene	20.0	14.5	72	70 - 130	
Dibromomethane	20.0	21.3	106	70 - 130	
1,1-Dichloropropene	20.0	21.8	109	70 - 130	
Naphthalene	20.0	9.16	46	70 - 130	*
Bromobenzene	20.0	20.3	101	70 - 130	
1,2,3-Trichlorobenzene	20.0	12.7	64	70 - 130	*

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

Client: Tighe & Bond

Job Number: 360-18469-1

Lab Control Spike - Batch: 220-19816

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-19816/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/10/2008 0928
Date Prepared: 09/10/2008 0928

Analysis Batch: 220-19816
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L9530.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Hexanone	20.0	20.4	102	54 - 179	
2,2-Dichloropropane	20.0	21.8	109	70 - 130	
1,2,3-Trichloropropane	20.0	19.5	97	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	53 - 125
4-Bromofluorobenzene	93	73 - 127
Dibromofluoromethane	99	54 - 137
Toluene-d8 (Surr)	94	63 - 121

Matrix Spike Blank - Batch: 220-19816

Method: 8260B
Preparation: 5030B

Lab Sample ID: MSB 220-19816/14
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/10/2008 1714
Date Prepared: 09/10/2008 1714

Analysis Batch: 220-19816
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L9548.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	50.0	39.7	79	43 - 134	
Vinyl chloride	50.0	42.5	85	51 - 139	
Bromomethane	50.0	25.3	51	27 - 171	
1,1-Dichloroethene	50.0	45.7	91	57 - 137	
Carbon disulfide	50.0	51.0	102	44 - 142	
Acetone	50.0	54.2	108	18 - 263	
Methylene Chloride	50.0	47.1	94	61 - 129	
1,1-Dichloroethane	50.0	48.7	97	67 - 121	
Methyl Ethyl Ketone	50.0	52.9	106	30 - 222	
Chloroform	50.0	47.6	95	70 - 124	
1,1,1-Trichloroethane	50.0	48.6	97	60 - 128	
Carbon tetrachloride	50.0	50.9	102	56 - 131	
Benzene	50.0	47.2	94	68 - 126	
1,2-Dichloroethane	50.0	48.8	98	68 - 124	
Trichloroethene	50.0	48.1	96	58 - 125	
1,2-Dichloropropane	50.0	49.6	99	69 - 122	
Bromodichloromethane	50.0	48.4	97	67 - 118	

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

Client: Tighe & Bond

Job Number: 360-18469-1

Matrix Spike Blank - Batch: 220-19816

Method: 8260B
Preparation: 5030B

Lab Sample ID: MSB 220-19816/14
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/10/2008 1714
Date Prepared: 09/10/2008 1714

Analysis Batch: 220-19816
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L9548.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
methyl isobutyl ketone	50.0	50.9	102	61 - 140	
Toluene	50.0	46.0	92	70 - 116	
1,1,2-Trichloroethane	50.0	50.3	101	70 - 119	
Tetrachloroethene	50.0	45.8	92	62 - 118	
Dibromochloromethane	50.0	45.9	92	65 - 114	
Chlorobenzene	50.0	45.2	90	71 - 114	
Ethylbenzene	50.0	45.7	91	71 - 115	
Styrene	50.0	46.5	93	69 - 112	
Bromoform	50.0	47.1	94	63 - 115	
1,1,2,2-Tetrachloroethane	50.0	43.7	87	66 - 129	
cis-1,2-Dichloroethene	50.0	47.3	95	65 - 120	
trans-1,2-Dichloroethene	50.0	47.1	94	57 - 129	
Xylenes, Total	150	139	93	66 - 118	
cis-1,3-Dichloropropene	50.0	49.2	98	60 - 122	
trans-1,3-Dichloropropene	50.0	48.3	97	55 - 126	
Tetrahydrofuran	100	113	113	70 - 130	
Dichlorodifluoromethane	50.0	39.9	80	70 - 130	
Chloroethane	50.0	48.4	97	53 - 167	
Hexachlorobutadiene	50.0	29.5	59	70 - 130	*
Dibromomethane	50.0	50.4	101	70 - 130	
1,1-Dichloropropene	50.0	49.0	98	70 - 130	
Naphthalene	50.0	40.8	82	70 - 130	
Bromobenzene	50.0	43.1	86	70 - 130	
1,2,3-Trichlorobenzene	50.0	42.3	85	70 - 130	
2-Hexanone	50.0	49.3	99	54 - 179	
2,2-Dichloropropane	50.0	46.9	94	70 - 130	
1,2,3-Trichloropropane	50.0	43.4	87	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	53 - 125
4-Bromofluorobenzene	83	73 - 127
Dibromofluoromethane	95	54 - 137
Toluene-d8 (Surr)	88	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18469-1

Method Blank - Batch: 360-35872

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 360-35872/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2008 1508
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39972.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	RL
Acetone	ND		12000
Acrylonitrile	ND		120
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		250
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	2100		1200
Isopropylbenzene	ND		120
4-Isopropyltoluene	ND		120

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

Client: Tighe & Bond

Job Number: 360-18469-1

Method Blank - Batch: 360-35872

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 360-35872/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2008 1508
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39972.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	RL
Methylene Chloride	ND		500
4-Methyl-2-pentanone (MIBK)	1400		1200
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	107	70 - 130
Dibromofluoromethane	92	70 - 130
Toluene-d8 (Surr)	99	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18469-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35872

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-35872/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2008 1356
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39969.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-35872/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2008 1420
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39970.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	86	88	70 - 130	2	25		
Acrylonitrile	94	97	70 - 130	4	25		
Benzene	93	92	70 - 130	1	25		
Bromobenzene	87	87	70 - 130	0	25		
n-Butylbenzene	100	98	70 - 130	1	25		
sec-Butylbenzene	92	92	70 - 130	0	25		
tert-Butylbenzene	88	88	70 - 130	0	25		
Dichlorobromomethane	86	88	70 - 130	2	25		
Bromoform	84	85	70 - 130	1	25		
Bromomethane	111	108	70 - 130	3	25		
2-Butanone (MEK)	98	102	70 - 130	5	25		
Carbon disulfide	97	92	70 - 130	6	25		
Carbon tetrachloride	81	78	70 - 130	4	25		
Chlorobenzene	91	91	70 - 130	0	25		
Chloroethane	88	84	70 - 130	5	25		
Chloroform	86	85	70 - 130	1	25		
Chloromethane	104	107	70 - 130	2	25		
2-Chlorotoluene	92	93	70 - 130	1	25		
4-Chlorotoluene	92	93	70 - 130	1	25		
Chlorodibromomethane	77	77	70 - 130	1	25		
1,2-Dibromo-3-Chloropropane	81	85	70 - 130	5	25		
Dibromomethane	84	84	70 - 130	1	25		
1,2-Dichlorobenzene	86	87	70 - 130	0	25		
1,3-Dichlorobenzene	86	88	70 - 130	2	25		
1,4-Dichlorobenzene	90	89	70 - 130	1	25		
Dichlorodifluoromethane	101	99	70 - 130	2	25		
1,1-Dichloroethene	84	80	70 - 130	5	25		
1,1-Dichloroethane	93	93	70 - 130	1	25		
1,2-Dichloroethane	80	82	70 - 130	2	25		
cis-1,2-Dichloroethene	90	90	70 - 130	0	25		
1,2-Dichloropropane	98	99	70 - 130	1	25		
1,3-Dichloropropane	91	92	70 - 130	1	25		

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

Client: Tighe & Bond

Job Number: 360-18469-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35872

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-35872/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2008 1356
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39969.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-35872/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2008 1420
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39970.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,2-Dichloropropane	84	82	70 - 130	2	25		
1,1-Dichloropropene	93	91	70 - 130	2	25		
cis-1,3-Dichloropropene	92	92	70 - 130	0	25		
trans-1,3-Dichloropropene	89	90	70 - 130	1	25		
Ethylbenzene	95	94	70 - 130	1	25		
Hexachlorobutadiene	92	89	70 - 130	3	25		
2-Hexanone	108	110	70 - 130	2	25		
Isopropylbenzene	91	90	70 - 130	1	25		
4-Isopropyltoluene	91	91	70 - 130	0	25		
Methylene Chloride	93	92	70 - 130	1	25		
4-Methyl-2-pentanone (MIBK)	104	107	70 - 130	3	25		
Methyl tert-butyl ether	86	88	70 - 130	2	25		
Naphthalene	87	90	70 - 130	4	25		
N-Propylbenzene	98	97	70 - 130	0	25		
Styrene	90	90	70 - 130	0	25		
1,1,1,2-Tetrachloroethane	85	86	70 - 130	1	25		
1,1,2,2-Tetrachloroethane	90	94	70 - 130	4	25		
Tetrachloroethene	92	89	70 - 130	3	25		
Tetrahydrofuran	97	100	70 - 130	3	25		
Toluene	93	91	70 - 130	2	25		
1,2,3-Trichlorobenzene	92	92	70 - 130	0	25		
1,2,4-Trichlorobenzene	93	93	70 - 130	0	25		
1,1,1-Trichloroethane	85	83	70 - 130	1	25		
1,1,2-Trichloroethane	87	88	70 - 130	0	25		
Trichloroethene	85	85	70 - 130	1	25		
Trichlorofluoromethane	77	75	70 - 130	4	25		
1,2,3-Trichloropropane	91	92	70 - 130	1	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	93	89	70 - 130	5	25		
1,2,4-Trimethylbenzene	90	90	70 - 130	1	25		
1,3,5-Trimethylbenzene	91	91	70 - 130	0	25		
Vinyl chloride	122	119	70 - 130	3	25		
Ethylene Dibromide	87	88	70 - 130	1	25		

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

Client: Tighe & Bond

Job Number: 360-18469-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35872

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-35872/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2008 1356
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39969.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-35872/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/04/2008 1420
Date Prepared: 08/29/2008 1152

Analysis Batch: 360-35869
Prep Batch: 360-35872
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39970.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
trans-1,4-Dichloro-2-butene	81	87	70 - 130	7	25		
trans-1,2-Dichloroethene	92	91	70 - 130	1	25		
m-Xylene & p-Xylene	95	94	70 - 130	1	25		
o-Xylene	92	92	70 - 130	0	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	100	101	70 - 130
Dibromofluoromethane	91	92	70 - 130
Toluene-d8 (Surr)	102	100	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18469-1

Method Blank - Batch: 360-35923

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 360-35923/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1121
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39997.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Acetone	ND		250
Acrylonitrile	ND		2.5
Benzene	ND		2.5
Bromobenzene	ND		2.5
n-Butylbenzene	ND		2.5
sec-Butylbenzene	ND		2.5
tert-Butylbenzene	ND		2.5
Dichlorobromomethane	ND		2.5
Bromoform	ND		2.5
Bromomethane	ND		5.0
2-Butanone (MEK)	ND		25
Carbon disulfide	ND		2.5
Carbon tetrachloride	ND		2.5
Chlorobenzene	ND		2.5
Chloroethane	ND		5.0
Chloroform	ND		2.5
Chloromethane	ND		5.0
2-Chlorotoluene	ND		2.5
4-Chlorotoluene	ND		2.5
Chlorodibromomethane	ND		2.5
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		2.5
1,2-Dichlorobenzene	ND		2.5
1,3-Dichlorobenzene	ND		2.5
1,4-Dichlorobenzene	ND		2.5
Dichlorodifluoromethane	ND		5.0
1,1-Dichloroethene	ND		2.5
1,1-Dichloroethane	ND		2.5
1,2-Dichloroethane	ND		2.5
cis-1,2-Dichloroethene	ND		2.5
1,2-Dichloropropane	ND		2.5
1,3-Dichloropropane	ND		2.5
2,2-Dichloropropane	ND		2.5
1,1-Dichloropropene	ND		2.5
cis-1,3-Dichloropropene	ND		2.5
trans-1,3-Dichloropropene	ND		2.5
Ethylbenzene	ND		2.5
Hexachlorobutadiene	ND		2.5
2-Hexanone	52		25
Isopropylbenzene	ND		2.5
4-Isopropyltoluene	ND		2.5

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

Client: Tighe & Bond

Job Number: 360-18469-1

Method Blank - Batch: 360-35923

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 360-35923/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1121
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39997.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	35		25
Methyl tert-butyl ether	ND		2.5
Naphthalene	ND		25
N-Propylbenzene	ND		2.5
Styrene	ND		2.5
1,1,1,2-Tetrachloroethane	ND		2.5
1,1,2,2-Tetrachloroethane	ND		2.5
Tetrachloroethene	ND		2.5
Tetrahydrofuran	ND		25
Toluene	ND		2.5
1,2,3-Trichlorobenzene	ND		2.5
1,2,4-Trichlorobenzene	ND		2.5
1,1,1-Trichloroethane	ND		2.5
1,1,2-Trichloroethane	ND		2.5
Trichloroethene	ND		2.5
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12
1,2,4-Trimethylbenzene	ND		2.5
1,3,5-Trimethylbenzene	ND		2.5
Vinyl chloride	ND		2.5
Ethylene Dibromide	ND		2.5
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		2.5
m-Xylene & p-Xylene	ND		5.0
o-Xylene	ND		2.5

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	106	70 - 130
Dibromofluoromethane	90	70 - 130
Toluene-d8 (Surr)	99	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18469-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35923

Method: 8260B
Preparation: N/A

LCS Lab Sample ID: LCS 360-35923/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1009
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39994.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 360-35923/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1033
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39995.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	107	86	70 - 130	22	25		
Acrylonitrile	93	95	70 - 130	2	25		
Benzene	97	90	70 - 130	8	25		
Bromobenzene	91	81	70 - 130	12	25		
n-Butylbenzene	106	97	70 - 130	8	25		
sec-Butylbenzene	98	88	70 - 130	11	25		
tert-Butylbenzene	92	83	70 - 130	10	25		
Dichlorobromomethane	93	86	70 - 130	8	25		
Bromoform	91	83	70 - 130	9	25		
Bromomethane	126	122	70 - 130	4	25		
2-Butanone (MEK)	115	93	70 - 130	22	25		
Carbon disulfide	109	100	70 - 130	8	25		
Carbon tetrachloride	83	75	70 - 130	10	25		
Chlorobenzene	97	89	70 - 130	8	25		
Chloroethane	117	110	70 - 130	6	25		
Chloroform	91	84	70 - 130	7	25		
Chloromethane	110	106	70 - 130	4	25		
2-Chlorotoluene	100	90	70 - 130	10	25		
4-Chlorotoluene	101	89	70 - 130	12	25		
Chlorodibromomethane	79	74	70 - 130	7	25		
1,2-Dibromo-3-Chloropropane	88	81	70 - 130	8	25		
Dibromomethane	92	84	70 - 130	9	25		
1,2-Dichlorobenzene	90	82	70 - 130	9	25		
1,3-Dichlorobenzene	91	80	70 - 130	13	25		
1,4-Dichlorobenzene	92	84	70 - 130	9	25		
Dichlorodifluoromethane	107	101	70 - 130	5	25		
1,1-Dichloroethene	93	85	70 - 130	10	25		
1,1-Dichloroethane	99	91	70 - 130	8	25		
1,2-Dichloroethane	89	80	70 - 130	10	25		
cis-1,2-Dichloroethene	95	88	70 - 130	8	25		
1,2-Dichloropropane	105	97	70 - 130	8	25		
1,3-Dichloropropane	99	92	70 - 130	7	25		

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

Client: Tighe & Bond

Job Number: 360-18469-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35923

Method: 8260B
Preparation: N/A

LCS Lab Sample ID: LCS 360-35923/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1009
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39994.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 360-35923/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1033
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39995.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,2-Dichloropropane	90	81	70 - 130	11	25		
1,1-Dichloropropene	98	90	70 - 130	8	25		
cis-1,3-Dichloropropene	100	94	70 - 130	6	25		
trans-1,3-Dichloropropene	96	90	70 - 130	7	25		
Ethylbenzene	102	94	70 - 130	7	25		
Hexachlorobutadiene	95	86	70 - 130	10	25		
2-Hexanone	124	103	70 - 130	18	25		
Isopropylbenzene	96	87	70 - 130	10	25		
4-Isopropyltoluene	96	85	70 - 130	12	25		
Methylene Chloride	89	81	70 - 130	9	25		
4-Methyl-2-pentanone (MIBK)	118	99	70 - 130	17	25		
Methyl tert-butyl ether	96	85	70 - 130	12	25		
Naphthalene	89	79	70 - 130	13	25		
N-Propylbenzene	106	96	70 - 130	9	25		
Styrene	96	89	70 - 130	8	25		
1,1,1,2-Tetrachloroethane	90	81	70 - 130	11	25		
1,1,2,2-Tetrachloroethane	103	93	70 - 130	10	25		
Tetrachloroethene	93	87	70 - 130	6	25		
Tetrahydrofuran	106	95	70 - 130	12	25		
Toluene	97	90	70 - 130	7	25		
1,2,3-Trichlorobenzene	94	84	70 - 130	11	25		
1,2,4-Trichlorobenzene	95	85	70 - 130	11	25		
1,1,1-Trichloroethane	89	81	70 - 130	9	25		
1,1,2-Trichloroethane	92	85	70 - 130	8	25		
Trichloroethene	84	78	70 - 130	8	25		
Trichlorofluoromethane	81	78	70 - 130	3	25		
1,2,3-Trichloropropane	98	88	70 - 130	11	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	89	93	70 - 130	4	25		
1,2,4-Trimethylbenzene	95	85	70 - 130	12	25		
1,3,5-Trimethylbenzene	96	86	70 - 130	11	25		
Vinyl chloride	123	118	70 - 130	3	25		
Ethylene Dibromide	92	85	70 - 130	8	25		

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

Client: Tighe & Bond

Job Number: 360-18469-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35923

Method: 8260B
Preparation: N/A

LCS Lab Sample ID: LCS 360-35923/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1009
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39994.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

LCSD Lab Sample ID: LCSD 360-35923/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/05/2008 1033
Date Prepared: N/A

Analysis Batch: 360-35923
Prep Batch: N/A
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V39995.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 25 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
trans-1,4-Dichloro-2-butene	85	82	70 - 130	3	25		
trans-1,2-Dichloroethene	97	91	70 - 130	7	25		
m-Xylene & p-Xylene	103	95	70 - 130	8	25		
o-Xylene	100	91	70 - 130	9	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	105	102	70 - 130
Dibromofluoromethane	90	90	70 - 130
Toluene-d8 (Surr)	101	101	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18469-1

Method Blank - Batch: 360-35770

Method: 8082
Preparation: 3546

Lab Sample ID: MB 360-35770/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1849
Date Prepared: 09/03/2008 1130

Analysis Batch: 360-35811
Prep Batch: 360-35770
Units: ug/Kg

Instrument ID: 5890II GC w/ dual ECDs
Lab File ID: H2776.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 1.0 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	104	30 - 150
Tetrachloro-m-xylene	96	30 - 150

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

Client: Tighe & Bond

Job Number: 360-18469-1

Method Blank - Batch: 360-35770

Method: 8082
Preparation: 3546

Lab Sample ID: MB 360-35770/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1849
Date Prepared: 09/03/2008 1130

Analysis Batch: 360-35811
Prep Batch: 360-35770
Units: ug/Kg

Instrument ID: 5890II GC w/ dual ECDs
Lab File ID: H2776.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 1.0 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	113	30 - 150
Tetrachloro-m-xylene	104	30 - 150

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

Client: Tighe & Bond

Job Number: 360-18469-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35770

Method: 8082
Preparation: 3546

LCS Lab Sample ID: LCS 360-35770/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1910
Date Prepared: 09/03/2008 1130

Analysis Batch: 360-35811
Prep Batch: 360-35770
Units: ug/Kg

Instrument ID: 5890II GC w/ dual ECDs
Lab File ID: H2777.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 360-35770/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1931
Date Prepared: 09/03/2008 1130

Analysis Batch: 360-35811
Prep Batch: 360-35770
Units: ug/Kg

Instrument ID: 5890II GC w/ dual ECDs
Lab File ID: H2778.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	103	99	40 - 140	4	30		
PCB-1260	120	114	40 - 140	5	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	123	117	30 - 150
Tetrachloro-m-xylene	111	107	30 - 150

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

Client: Tighe & Bond

Job Number: 360-18469-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35770

Method: 8082
Preparation: 3546

LCS Lab Sample ID: LCS 360-35770/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1910
Date Prepared: 09/03/2008 1130

Analysis Batch: 360-35811
Prep Batch: 360-35770
Units: ug/Kg

Instrument ID: 5890II GC w/ dual ECDs
Lab File ID: H2777.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

LCSD Lab Sample ID: LCSD 360-35770/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1931
Date Prepared: 09/03/2008 1130

Analysis Batch: 360-35811
Prep Batch: 360-35770
Units: ug/Kg

Instrument ID: 5890II GC w/ dual ECDs
Lab File ID: H2778.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	110	105	40 - 140	4	30		
PCB-1260	122	117	40 - 140	5	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	131	125	30 - 150
Tetrachloro-m-xylene	111	107	30 - 150

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

Client: Tighe & Bond

Job Number: 360-18469-1

Method Blank - Batch: 360-35785

Method: CT ETPH
Preparation: 3546

Lab Sample ID: MB 360-35785/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1817
Date Prepared: 09/03/2008 1410

Analysis Batch: 360-35820
Prep Batch: 360-35785
Units: mg/Kg

Instrument ID: HP 5890II GC w/ dual FIDs
Lab File ID: F11557.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	RL
C9-C36	ND		3.3

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

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35785

Method: CT ETPH
Preparation: 3546

LCS Lab Sample ID: LCS 360-35785/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1848
Date Prepared: 09/03/2008 1410

Analysis Batch: 360-35820
Prep Batch: 360-35785
Units: mg/Kg

Instrument ID: HP 5890II GC w/ dual FIDs
Lab File ID: F11558.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 360-35785/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 1920
Date Prepared: 09/03/2008 1410

Analysis Batch: 360-35820
Prep Batch: 360-35785
Units: mg/Kg

Instrument ID: HP 5890II GC w/ dual FID
Lab File ID: F11559.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
C9-C36	75	74	60 - 120	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	66	64	50 - 150

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

Client: Tighe & Bond

Job Number: 360-18469-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-35785

Method: CT ETPH
Preparation: 3546

MS Lab Sample ID:	360-18469-3	Analysis Batch: 360-35820	Instrument ID: HP 5890II GC w/ dual FID
Client Matrix:	Solid	Prep Batch: 360-35785	Lab File ID: F11570.D
Dilution:	1.0		Initial Weight/Volume: 30.46 g
Date Analyzed:	09/04/2008 0108		Final Weight/Volume: 1.0 mL
Date Prepared:	09/03/2008 1410		Injection Volume:

MSD Lab Sample ID:	360-18469-3	Analysis Batch: 360-35820	Instrument ID: HP 5890II GC w/ dual FIDs
Client Matrix:	Solid	Prep Batch: 360-35785	Lab File ID: F11571.D
Dilution:	1.0		Initial Weight/Volume: 30.26 g
Date Analyzed:	09/04/2008 0139		Final Weight/Volume: 1.0 mL
Date Prepared:	09/03/2008 1410		Injection Volume:

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
C9-C36	-25	76	50 - 150	60	30	F	F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
o-Terphenyl	60	74	50 - 150

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

Quality Control Results

Client: Tighe & Bond

Job Number: 360-18469-1

Duplicate - Batch: 360-35758

Method: PercentMoisture
Preparation: N/A

Lab Sample ID: 360-18469-12
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/03/2008 0902
Date Prepared: N/A

Analysis Batch: 360-35758
Prep Batch: N/A
Units: %

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	12	12	3	20	
Percent Solids	88	88	0	20	

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

CTETPH - MASS DISCRIMINATION CHECK

Job #: **360-18469**
Analyst: **MZ/KR**
Date: **9/3/2008 5:14**
Sample Name: **C9-C36 2100 PPM**

Name	Target Response	Response factor	% DIFF (+- 20%)	Mass Discrimination from C9 (<10%)
C9	5359344.378	35728.96252	***7.3***	
C10	5379350.073	35862.33382	***7.7***	**-0.4**
C12	5426815.3	36178.76867	***8.7***	**-1.3**
C14	5401067.657	36007.11772	***8.1***	**-0.8**
C16	5426108.055	36174.0537	***8.6***	**-1.2**
C18	5465903.042	36439.35361	***9.4***	**-2.0**
C19	5404280.483	36028.53655	***8.2***	**-0.8**
C20	4087159.192	27247.72794	***-18.2***	**26.9**
C22	4047744.163	26984.96109	***-19.0***	**27.9**
C24	4476369.669	29842.46446	***-10.4***	**18.0**
C26	4899673.57	32664.49047	***-1.9***	**9.0**
C28	4886748.857	32578.32571	***-2.2***	**9.2**
C30	5093073.364	33953.82243	***2.0***	**5.1**
C36	4570881.85	30472.54567	***-8.5***	**15.9**
	Average:	33297.39031		

NOTE: Mass Discrimination cannot exceed 50% difference (20% is the target).

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-18469-1

Login Number: 18469
Creator: Rinard, Kimberley A
List Number: 1

List Source: TestAmerica Westfield

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	0.2 C / 2.4 C
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	
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	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	No percent solids jar provided for "dup 4"
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	

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-18469-1

Login Number: 18469
Creator: Blocker, Kristina
List Number: 1

List Source: TestAmerica Connecticut
List Creation: 09/03/08 10:39 AM

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	
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	
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.	False	#1,5,6,8,9 recd 5gr encores
Sample bottles are completely filled.	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: 360-18469-1

Login Number: 18469
Creator: Blocker, Kristina
List Number: 2

List Source: TestAmerica Connecticut
List Creation: 09/13/08 11:16 AM

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	
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	
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	
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
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Form

•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
MIDDLETOWN, CT
Phone: 860-704-4781 Fax:

Client Project #: 12-613620
Site ID & State: E. HAMPTON, CT
Reports Sent To: KARL WIKSTROM
Email: KWikstrom@TighebondCM Email Rpt: ☑

Job# 360-18469 Quote# PO#

Shaded areas for office use
Invoice same as Report to? ☐
If Invoice contact or address different, note in *Comments*

Comments
(Special Instructions)

Requested Turnaround Time (PLEASE SPECIFY)
STANDARD _____ RUSH X 5-day
(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.

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)	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	POB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity	SPLP VOC	Comments:
DUP 4	S	W	8/28/08 15:18	X		3	P							X	X										X	
RI-23 0-2'	S	W	8/28/08 15:38	X		1	G							X			X		X							
RI-23 2-4'	S	W	8/28/08 15:40	X		1	G							X			X		X							
DUP 5	S	W	8/28/08 15:40	X		1	G							X			X		X							
RI-26 0-2'	S	W	8/28/08 15:44	X		4	G							X	X		X		X						X	
RI-26 2-4'	S	W	8/28/08 15:49	X		4	G							X	X		X		X						X	
RI-26 4-6'	S	W	8/28/08 15:53	X		2	G							X												← hold
RI-25 0-2'	S	W	8/28/08 15:57	X		4	G							X	X		X		X						X	
RI-24 0-2'	S	W	8/28/08 16:07	X		4	G							X	X		X		X						X	
RI-24 2-4'	S	W	8/28/08 16:10	X		4	G							X	X		X		X						X	

Sampled by (print): KARL WIKSTROM
Signature:

Relinquished by: [signature] Date: 8/29/08 Time: 1015
Received by: [signature] Date: 8/29/08 Time: 1015
Relinquished by: [signature] Date: 8/29/08 Time: 1130
Received by: [signature] Date: 8/29/08 Time: 1130
Relinquished by: Date: Time:
Received by: Date: Time:

Cooler? Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: 0.2/2.4 °C
Preservation / pH checked? Y / N
By: _____ Date: _____

WESTFIELD

Page 7 of ____

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TAL-8245(1007)

TestAmerica
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Chain of Custody Form

•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 STREET, MIDDLETOWN, CT
Phone: Fax:
Client Project #: 17-613620
Site ID & State: E. HAMPTON, CT
Reports Sent To: KARL WIKSTROM
Email: KWikstrom@tighebond.com Email Rpt: ☒

Job# 360-18469 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 _____ RUSH X 5 (*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.

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)	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 / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity	VOC SVOC 8260	
~~R1-6-0.5'~~	~~S~~	~~KW~~	08/29/08	~~X~~		~~4~~	~~P~~							~~X~~	~~X~~										~~X~~	
R1-6-2-4'	S	KW	08/29/08 16:20	X		4	P							X	X										X	
R1-7-2-4'	S	KW	08/29/08 16:28	X		3	P							X	X										X	

Sampled by (print): KARL WIKSTROM
Signature:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	8/29/08	1015	Jerry [signature]	8/29/08	1015
Jerry [signature]	8/29/08	1130	[signature]	8/29/08	1130

Cooler ? (Y) N
MADEP Requirement Samples Iced? (Y) N
Temp @ receipt 0.2/4 °C
Preservation / pH checked? Y (N)
By: _____ Date: _____

WESTFIELD

Page 8 of ____

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TAL-8245(1007)

ANALYTICAL REPORT

Job Number: 360-18574-1

Job Description: 12-613620

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

Attention: Mr. Karl Wikstrom

Approved for release.
Chris F Reynolds
QA Manager
1/19/2009 2:57 PM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
01/19/2009
Revision: 2

The test results in this report meet all NELAP requirements for accredited parameters. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, 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 DOH 10843.

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

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond, Inc.**
Project Location:	**East Hampton, CT**	***Project Number:***	**360-18574-1**
Laboratory Sample ID (s):	**360-18574-1(6-8)**	***Sampling Date (s):***	**9/3/08**
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: 1/19/09 14:54

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, Inc.**
Project Location:	**East Hampton, CT**	***Project Number:***	**360-18574-1**
Laboratory Sample ID (s):	**360-18574-1(1-3)**	***Sampling Date (s):***	**9/3/08**
Method:	**SW846 8081**		

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.

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Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 1/19/09 14:54

The certification form has been electronically signed and approved.

Updated Nov 2007

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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

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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, Inc.**
Project Location:	**East Hampton, CT**	***Project Number:***	**360-18574-1**
Laboratory Sample ID (s):	**360-18574-1(4-5)**	***Sampling Date (s):***	**9/3/08**
Method:	**SW846 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 √		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: 1/19/09 14:54

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
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Westfield, MA 01085
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Fax:(413)572-3707

WI-QA-038

REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: TESTAMERICA *Client:* TIGHE + BOND

Project Location: CT *Project Number:* 36000166

Laboratory Sample ID(s): 360-18574-6,7,8 *Sampling Date(s):* 08/28/08

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8260B-1312ZHE

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 CTDEP 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 or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	□Yes □ No ☑N/A
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 □ No □N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	□Yes ☑No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	□Yes ☑No □Yes ☑No
6	For each analytical method referenced 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 an 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: JWidomski **Position:** DATA MGMT

Printed Name: JOAN WIDOMSKI **Date:** 9-17-08

Name of Laboratory TESTAMERICA

This certification form is to be used for RCP methods only.

CASE NARRATIVE

Client: Tighe & Bond

Project: 12-613620

Report Number: 360-18574-1
Revision 2

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues as stipulated in the RCP reporting requirements.

In order to facilitate report review, a separate RCP Analytical Method Report Certification Form is included for each method requested.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy “RCP program” reporting limits in some cases if the “adjusted” RL is greater than the applicable RCP standards or criterion to which the concentration is being compared. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes which exceed the calibration range.

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.

The samples were received on 09/05/2008; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.6ºC.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C 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.

VOLATILE ORGANICS

Samples 360-18574-6 through 360-18574-8 were analyzed for volatile organics in accordance with EPA SW846 Method 8260B. The samples were prepared on 09/08/2008 and 09/09/2008 and analyzed on 09/09/2008 and 09/10/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

General Comments:
Samples 360-18574-6 and 8 had a ratio of methanol to soil below the method standard (1:1 ±25%).

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.

CHLORINATED PESTICIDES

Samples 360-18574-1 through 360-18574-3 were analyzed for chlorinated pesticides in accordance with EPA SW846 Method 8081A. The samples were prepared on 09/10/2008 and analyzed on 09/11/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved with the exception of:

4,4'-DDT, Endosulfan sulfate and Methoxychlor failed the MS/MSD recovery criteria high for the matrix spike of sample 360-18574-3. 4,4'-DDT and Endosulfan sulfate failed the MS/MSD recovery criteria high for the matrix spike duplicate of sample 360-18574-3, the LCS was within control limits. Refer to the QC report for details.

General Comments:
Endrin/DDT breakdown
Endrin 9.5%
DDT 8.2%

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.

TOTAL METALS

Samples 360-18574-4 and 360-18574-5 were analyzed for total metals in accordance with EPA SW846 Method 6010B. The samples were prepared on 09/08/2008 and analyzed on 09/09/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

General Comments:
At the request of the client, an abbreviated RCP analyte list was reported for this job.

Sample 360-18574-4(2X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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.

SPLP VOLATILE ORGANICS (8260)

Samples 360-18574-6 through 360-18574-8 were analyzed for SPLP Volatile Organics in accordance with EPA SW846 Method 1312/8260B. The samples were leached on 09/07/2008 and analyzed on 09/09/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved with the following exceptions.

Carbon disulfide, Dichlorodifluoromethane, acetone and methyl ethyl ketone failed the LCS recovery criteria high for 19796, (the limits are 70-130%). Refer to the QC report for details.

The initial calibration curve analyzed on instrument MSV on 9/4/08 was outside CTRCP acceptance criteria for the following compounds with the associated %RSD: bromomethane-17.4%, chloroethane-15.4%, methylene chloride-15.5%, hexachlorobutadiene-25.3%.

The continuing calibration verification (CCV) analyzed on instrument MSV on 9/9/08 recovered above the CTRCP upper control limit for bromomethane-42.9%D.

The following reported method is not listed by Connecticut Department of Environmental Protection (DEP) as a published method which has Reasonable Confidence Protocols (RCPs) QA/QC guidance. Instead, laboratory derived or non-RCP QA/QC guidelines were applied.

PERCENT SOLIDS

Samples 360-18574-1 through 360-18574-8 were analyzed for percent solids in accordance with EPA Method 160.3 Modified. The samples were analyzed on 09/08/2008.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

This case narrative is available in Word format upon request.

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 360-18574-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
SPLP Extraction	TAL CT		SW846 1312
Purge and Trap	TAL CT		SW846 5030B
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Closed System Purge and Trap	TAL WFD		SW846 5035
Organochlorine Pesticides (GC)	TAL WFD	SW846 8081A	
Microwave Extraction	TAL WFD		SW846 3546
Metals (ICP)	TAL WFD	SW846 6010B	
Preparation, Metals	TAL WFD		SW846 3050B

Lab References:

TAL CT = TestAmerica Connecticut

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: 360-18574-1

Method	Analyst	Analyst ID
SW846 8260B	Kostrzewska, Barbara	BK
SW846 8260B	Rouleau, Catherine M	CMR
SW846 8081A	Sullivan, Pat J	PJS
SW846 6010B	Nasiatka, Ellen M	EMN
EPA PercentMoisture	Burton, Teresa F	TFB

SAMPLE SUMMARY

Client: Tighe & Bond

Job Number: 360-18574-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-18574-1	HR1-1	Solid	09/03/2008 1245	09/05/2008 1045
360-18574-2	HR1-2	Solid	09/03/2008 1255	09/05/2008 1045
360-18574-3	HR1-3	Solid	09/03/2008 1310	09/05/2008 1045
360-18574-4	R1-5 0-2'	Solid	09/03/2008 1215	09/05/2008 1045
360-18574-5	R1-5 2-4	Solid	09/03/2008 1220	09/05/2008 1045
360-18574-6	R1-8 0-2'	Solid	09/03/2008 1500	09/05/2008 1045
360-18574-7	R1-9 0-2'	Solid	09/03/2008 1515	09/05/2008 1045
360-18574-8	R1-10 0-2'	Solid	09/03/2008 1530	09/05/2008 1045

SAMPLE RESULTS

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: R1-8 0-2'

Lab Sample ID: 360-18574-6
Client Matrix: Solid
% Moisture: 8.7
Date Sampled: 09/03/2008 1500
Date Received: 09/05/2008 1045

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/09/2008 2321
Date Prepared: 09/08/2008 0823

Analysis Batch: 360-36047
Prep Batch: 360-36044

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40106.D
Initial Weight/Volume: 2.96 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		23000
Acrylonitrile		ND		230
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		460
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		ND		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

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: R1-8 0-2'

Lab Sample ID:	360-18574-6			Date Sampled:	09/03/2008 1500
Client Matrix:	Solid	% Moisture:	8.7	Date Received:	09/05/2008 1045

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-36047		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-36044		Lab File ID:	V40106.D
Dilution:	1.0			Initial Weight/Volume:	2.96 g
Date Analyzed:	09/09/2008 2321			Final Weight/Volume:	5 g
Date Prepared:	09/08/2008 0823				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		2300
N-Propylbenzene		ND		230
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
Trichloroethene		22000		230
Trichlorofluoromethane		ND		460
1,2,3-Trichloropropane		ND		230
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1200
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	Acceptance Limits
4-Bromofluorobenzene	101	70 - 130
Dibromofluoromethane	99	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: R1-8 0-2'

Lab Sample ID: 360-18574-6
Client Matrix: Solid

Date Sampled: 09/03/2008 1500
Date Received: 09/05/2008 1045

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/09/2008 1750
Date Prepared: 09/09/2008 1750
Date Leached: 09/07/2008 1521

Analysis Batch: 220-19796
Leachate Batch: 220-19709

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7692.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND	*	5.0
Acetone		ND		10
Methylene Chloride		ND		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		12		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND	*	5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	*	5.0

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: R1-8 0-2'

Lab Sample ID: 360-18574-6
Client Matrix: Solid

Date Sampled: 09/03/2008 1500
Date Received: 09/05/2008 1045

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/09/2008 1750
Date Prepared: 09/09/2008 1750
Date Leached: 09/07/2008 1521

Analysis Batch: 220-19796
Leachate Batch: 220-19709

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7692.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND	*	5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND	*	5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120	53 - 125
4-Bromofluorobenzene	90	73 - 127
Dibromofluoromethane	117	54 - 137
Toluene-d8 (Surr)	99	63 - 121

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: R1-9 0-2'

Lab Sample ID: 360-18574-7
Client Matrix: Solid
% Moisture: 15.2
Date Sampled: 09/03/2008 1515
Date Received: 09/05/2008 1045

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/10/2008 0234
Date Prepared: 09/09/2008 0830

Analysis Batch: 360-36048
Prep Batch: 360-36046

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40114.D
Initial Weight/Volume: 3.66 g
Final Weight/Volume: 5 g

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		400
Acrylonitrile		ND		4.0
Benzene		ND		4.0
Bromobenzene		ND		4.0
n-Butylbenzene		ND		4.0
sec-Butylbenzene		ND		4.0
tert-Butylbenzene		ND		4.0
Dichlorobromomethane		ND		4.0
Bromoform		ND		4.0
Bromomethane		ND		8.1
2-Butanone (MEK)		ND		40
Carbon disulfide		ND		4.0
Carbon tetrachloride		ND		4.0
Chlorobenzene		ND		4.0
Chloroethane		ND		8.1
Chloroform		ND		4.0
Chloromethane		ND		8.1
2-Chlorotoluene		ND		4.0
4-Chlorotoluene		ND		4.0
Chlorodibromomethane		ND		4.0
1,2-Dibromo-3-Chloropropane		ND		8.1
Dibromomethane		ND		4.0
1,2-Dichlorobenzene		ND		4.0
1,3-Dichlorobenzene		ND		4.0
1,4-Dichlorobenzene		ND		4.0
Dichlorodifluoromethane		ND		8.1
1,1-Dichloroethene		ND		4.0
1,1-Dichloroethane		ND		4.0
1,2-Dichloroethane		ND		4.0
cis-1,2-Dichloroethene		ND		4.0
1,2-Dichloropropane		ND		4.0
1,3-Dichloropropane		ND		4.0
2,2-Dichloropropane		ND		4.0
1,1-Dichloropropene		ND		4.0
cis-1,3-Dichloropropene		ND		4.0
trans-1,3-Dichloropropene		ND		4.0
Ethylbenzene		ND		4.0
Hexachlorobutadiene		ND		4.0
2-Hexanone		ND		40
Isopropylbenzene		ND		4.0
4-Isopropyltoluene		ND		4.0
Methylene Chloride		ND		16
4-Methyl-2-pentanone (MIBK)		ND		40
Methyl tert-butyl ether		ND		4.0

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: R1-9 0-2'

Lab Sample ID:	360-18574-7			Date Sampled:	09/03/2008 1515
Client Matrix:	Solid	% Moisture:	15.2	Date Received:	09/05/2008 1045

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-36048		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-36046		Lab File ID:	V40114.D
Dilution:	1.0			Initial Weight/Volume:	3.66 g
Date Analyzed:	09/10/2008 0234			Final Weight/Volume:	5 g
Date Prepared:	09/09/2008 0830				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		40
N-Propylbenzene		ND		4.0
Styrene		ND		4.0
1,1,1,2-Tetrachloroethane		ND		4.0
1,1,2,2-Tetrachloroethane		ND		4.0
Tetrachloroethene		ND		4.0
Tetrahydrofuran		ND		40
Toluene		ND		4.0
1,2,3-Trichlorobenzene		ND		4.0
1,2,4-Trichlorobenzene		ND		4.0
1,1,1-Trichloroethane		ND		4.0
1,1,2-Trichloroethane		ND		4.0
Trichloroethene		95		4.0
Trichlorofluoromethane		ND		8.1
1,2,3-Trichloropropane		ND		4.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		20
1,2,4-Trimethylbenzene		ND		4.0
1,3,5-Trimethylbenzene		ND		4.0
Vinyl chloride		ND		4.0
Ethylene Dibromide		ND		4.0
trans-1,4-Dichloro-2-butene		ND		8.1
trans-1,2-Dichloroethene		ND		4.0
m-Xylene & p-Xylene		ND		8.1
o-Xylene		ND		4.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	104	70 - 130
Dibromofluoromethane	97	70 - 130
Toluene-d8 (Surr)	99	70 - 130

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: R1-9 0-2'

Lab Sample ID: 360-18574-7
Client Matrix: Solid

Date Sampled: 09/03/2008 1515
Date Received: 09/05/2008 1045

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/09/2008 1817
Date Prepared: 09/09/2008 1817
Date Leached: 09/07/2008 1522

Analysis Batch: 220-19796
Leachate Batch: 220-19709

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7693.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND	*	5.0
Acetone		ND		10
Methylene Chloride		ND		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND	*	5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	*	5.0

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: R1-9 0-2'

Lab Sample ID: 360-18574-7
Client Matrix: Solid

Date Sampled: 09/03/2008 1515
Date Received: 09/05/2008 1045

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/09/2008 1817
Date Prepared: 09/09/2008 1817
Date Leached: 09/07/2008 1522

Analysis Batch: 220-19796
Leachate Batch: 220-19709

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7693.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND	*	5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND	*	5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	53 - 125
4-Bromofluorobenzene	79	73 - 127
Dibromofluoromethane	101	54 - 137
Toluene-d8 (Surr)	87	63 - 121

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: R1-10 0-2'

Lab Sample ID:	360-18574-8			Date Sampled:	09/03/2008 1530
Client Matrix:	Solid	% Moisture:	11.0	Date Received:	09/05/2008 1045

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-36047		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-36044		Lab File ID:	V40107.D
Dilution:	1.0			Initial Weight/Volume:	2.84 g
Date Analyzed:	09/09/2008 2345			Final Weight/Volume:	5 g
Date Prepared:	09/08/2008 0823				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Acetone		ND		25000
Acrylonitrile		ND		250
Benzene		ND		250
Bromobenzene		ND		250
n-Butylbenzene		ND		250
sec-Butylbenzene		ND		250
tert-Butylbenzene		ND		250
Dichlorobromomethane		ND		250
Bromoform		ND		250
Bromomethane		ND		490
2-Butanone (MEK)		ND		2500
Carbon disulfide		ND		250
Carbon tetrachloride		ND		250
Chlorobenzene		ND		250
Chloroethane		ND		490
Chloroform		ND		250
Chloromethane		ND		490
2-Chlorotoluene		ND		250
4-Chlorotoluene		ND		250
Chlorodibromomethane		ND		250
1,2-Dibromo-3-Chloropropane		ND		490
Dibromomethane		ND		250
1,2-Dichlorobenzene		ND		250
1,3-Dichlorobenzene		ND		250
1,4-Dichlorobenzene		ND		250
Dichlorodifluoromethane		ND		490
1,1-Dichloroethene		ND		250
1,1-Dichloroethane		ND		250
1,2-Dichloroethane		ND		250
cis-1,2-Dichloroethene		ND		250
1,2-Dichloropropane		ND		250
1,3-Dichloropropane		ND		250
2,2-Dichloropropane		ND		250
1,1-Dichloropropene		ND		250
cis-1,3-Dichloropropene		ND		250
trans-1,3-Dichloropropene		ND		250
Ethylbenzene		ND		250
Hexachlorobutadiene		ND		250
2-Hexanone		ND		2500
Isopropylbenzene		ND		250
4-Isopropyltoluene		ND		250
Methylene Chloride		ND		990
4-Methyl-2-pentanone (MIBK)		ND		2500
Methyl tert-butyl ether		ND		250

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: R1-10 0-2'

Lab Sample ID:	360-18574-8			Date Sampled:	09/03/2008 1530
Client Matrix:	Solid	% Moisture:	11.0	Date Received:	09/05/2008 1045

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-36047		Instrument ID:	HP 5890/5972 GC/MS
Preparation:	5035	Prep Batch: 360-36044		Lab File ID:	V40107.D
Dilution:	1.0			Initial Weight/Volume:	2.84 g
Date Analyzed:	09/09/2008 2345			Final Weight/Volume:	5 g
Date Prepared:	09/08/2008 0823				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		2500
N-Propylbenzene		ND		250
Styrene		ND		250
1,1,1,2-Tetrachloroethane		ND		250
1,1,2,2-Tetrachloroethane		ND		250
Tetrachloroethene		ND		250
Tetrahydrofuran		ND		2500
Toluene		ND		250
1,2,3-Trichlorobenzene		ND		250
1,2,4-Trichlorobenzene		ND		250
1,1,1-Trichloroethane		ND		250
1,1,2-Trichloroethane		ND		250
Trichloroethene		11000		250
Trichlorofluoromethane		ND		490
1,2,3-Trichloropropane		ND		250
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1200
1,2,4-Trimethylbenzene		ND		250
1,3,5-Trimethylbenzene		ND		250
Vinyl chloride		ND		250
Ethylene Dibromide		ND		250
trans-1,4-Dichloro-2-butene		ND		490
trans-1,2-Dichloroethene		ND		250
m-Xylene & p-Xylene		ND		490
o-Xylene		ND		250

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	102	70 - 130
Dibromofluoromethane	97	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: R1-10 0-2'

Lab Sample ID: 360-18574-8
Client Matrix: Solid

Date Sampled: 09/03/2008 1530
Date Received: 09/05/2008 1045

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/09/2008 1843
Date Prepared: 09/09/2008 1843
Date Leached: 09/07/2008 1523

Analysis Batch: 220-19796
Leachate Batch: 220-19709

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7694.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Chloromethane		ND		5.0
Vinyl chloride		ND		5.0
Bromomethane		ND		5.0
1,1-Dichloroethene		ND		5.0
Carbon disulfide		ND	*	5.0
Acetone		14	B	10
Methylene Chloride		ND		5.0
1,1-Dichloroethane		ND		5.0
Methyl Ethyl Ketone		ND		10
Chloroform		ND		5.0
1,1,1-Trichloroethane		ND		5.0
Carbon tetrachloride		ND		5.0
Benzene		ND		5.0
1,2-Dichloroethane		ND		5.0
Trichloroethene		ND		5.0
1,2-Dichloropropane		ND		5.0
Bromodichloromethane		ND		5.0
methyl isobutyl ketone		ND		10
Toluene		ND		5.0
1,1,2-Trichloroethane		ND		5.0
Tetrachloroethene		ND		5.0
Dibromochloromethane		ND	*	5.0
Chlorobenzene		ND		5.0
Ethylbenzene		ND		5.0
Styrene		ND		5.0
Bromoform		ND		5.0
1,1,2,2-Tetrachloroethane		ND		5.0
cis-1,2-Dichloroethene		ND		5.0
trans-1,2-Dichloroethene		ND		5.0
Acrylonitrile		ND		10
n-Butylbenzene		ND		5.0
sec-Butylbenzene		ND		5.0
tert-Butylbenzene		ND		5.0
1,2-Dibromo-3-Chloropropane		ND		5.0
1,2-Dibromoethane		ND		5.0
1,2-Dichlorobenzene		ND		5.0
1,3-Dichlorobenzene		ND		5.0
1,4-Dichlorobenzene		ND		5.0
4-Isopropyltoluene		ND		5.0
Methyl tert-butyl ether		ND		5.0
Isopropylbenzene		ND		5.0
N-Propylbenzene		ND		5.0
1,2,4-Trichlorobenzene		ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	*	5.0

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: R1-10 0-2'

Lab Sample ID: 360-18574-8
Client Matrix: Solid

Date Sampled: 09/03/2008 1530
Date Received: 09/05/2008 1045

8260B Volatile Organic Compounds (GC/MS)-SPLP

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/09/2008 1843
Date Prepared: 09/09/2008 1843
Date Leached: 09/07/2008 1523

Analysis Batch: 220-19796
Leachate Batch: 220-19709

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7694.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane		ND	*	5.0
1,1,1,2-Tetrachloroethane		ND		5.0
1,2,4-Trimethylbenzene		ND		5.0
1,3,5-Trimethylbenzene		ND		5.0
trans-1,4-Dichloro-2-butene		ND		10
Acrolein		ND		25
Acetonitrile		ND		50
1,3-Dichloropropane		ND		5.0
Xylenes, Total		ND		5.0
2-Chlorotoluene		ND		5.0
4-Chlorotoluene		ND		5.0
1,2-Dichloroethene, Total		ND		5.0
m&p-Xylene		ND		5.0
o-Xylene		ND		5.0
cis-1,3-Dichloropropene		ND		5.0
trans-1,3-Dichloropropene		ND		5.0
Tetrahydrofuran		ND		10
Dichlorodifluoromethane		ND	*	5.0
Chloroethane		ND		5.0
Hexachlorobutadiene		ND		5.0
Dibromomethane		ND		5.0
1,1-Dichloropropene		ND		5.0
Naphthalene		ND		5.0
Bromobenzene		ND		5.0
1,2,3-Trichlorobenzene		ND		5.0
2-Hexanone		ND		10
2,2-Dichloropropane		ND		5.0
1,2,3-Trichloropropane		ND		5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	53 - 125
4-Bromofluorobenzene	82	73 - 127
Dibromofluoromethane	103	54 - 137
Toluene-d8 (Surr)	88	63 - 121

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: **HR1-1**

Lab Sample ID:	360-18574-1			Date Sampled:	09/03/2008 1245
Client Matrix:	Solid	% Moisture:	4.6	Date Received:	09/05/2008 1045

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 360-36116		Instrument ID:	6890 GC w/ dual
Preparation:	3546	Prep Batch: 360-36030		Lab File ID:	M1502.D
Dilution:	1.0			Initial Weight/Volume:	10.57 g
Date Analyzed:	09/11/2008 2221			Final Weight/Volume:	10.00 mL
Date Prepared:	09/10/2008 1111			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Toxaphene		ND		500
Methoxychlor		ND		9.9
Heptachlor epoxide		ND		9.9
Heptachlor		ND		9.9
gamma-BHC (Lindane)		ND		3.0
Endrin ketone		ND		9.9
Endrin aldehyde		ND		9.9
Endrin		ND		9.9
Endosulfan sulfate		ND		9.9
Endosulfan II		ND		9.9
Endosulfan I		ND		9.9
Dieldrin		ND		9.9
delta-BHC		ND		9.9
Chlordane (technical)		ND		500
beta-BHC		ND		9.9
alpha-BHC		ND		9.9
Aldrin		ND		9.9
4,4'-DDT		ND		9.9
4,4'-DDE		ND		9.9
4,4'-DDD		ND		9.9
Alachlor		ND		9.9

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	79	30 - 150
DCB Decachlorobiphenyl	130	30 - 150

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: **HR1-2**

Lab Sample ID:	360-18574-2			Date Sampled:	09/03/2008 1255
Client Matrix:	Solid	% Moisture:	6.3	Date Received:	09/05/2008 1045

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 360-36116		Instrument ID:	6890 GC w/ dual
Preparation:	3546	Prep Batch: 360-36030		Lab File ID:	M1503.D
Dilution:	1.0			Initial Weight/Volume:	10.33 g
Date Analyzed:	09/11/2008 2236			Final Weight/Volume:	10.00 mL
Date Prepared:	09/10/2008 1111			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Toxaphene		ND		520
Methoxychlor		ND		10
Heptachlor epoxide		ND		10
Heptachlor		ND		10
gamma-BHC (Lindane)		ND		3.1
Endrin ketone		ND		10
Endrin aldehyde		ND		10
Endrin		ND		10
Endosulfan sulfate		ND		10
Endosulfan II		ND		10
Endosulfan I		ND		10
Dieldrin		ND		10
delta-BHC		ND		10
Chlordane (technical)		ND		520
beta-BHC		ND		10
alpha-BHC		ND		10
Aldrin		ND		10
4,4'-DDT		ND		10
4,4'-DDE		ND		10
4,4'-DDD		ND		10
Alachlor		ND		10

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	86	30 - 150
DCB Decachlorobiphenyl	96	30 - 150

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: **HR1-3**

Lab Sample ID:	360-18574-3			Date Sampled:	09/03/2008 1310
Client Matrix:	Solid	% Moisture:	1.3	Date Received:	09/05/2008 1045

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 360-36116		Instrument ID:	6890 GC w/ dual
Preparation:	3546	Prep Batch: 360-36030		Lab File ID:	M1504.D
Dilution:	1.0			Initial Weight/Volume:	10.32 g
Date Analyzed:	09/11/2008 2252			Final Weight/Volume:	10.00 mL
Date Prepared:	09/10/2008 1111			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Toxaphene		ND		490
Methoxychlor		ND		9.8
Heptachlor epoxide		ND		9.8
Heptachlor		ND		9.8
gamma-BHC (Lindane)		ND		2.9
Endrin ketone		ND		9.8
Endrin aldehyde		ND		9.8
Endrin		ND		9.8
Endosulfan sulfate		ND		9.8
Endosulfan II		ND		9.8
Endosulfan I		ND		9.8
Dieldrin		ND		9.8
delta-BHC		ND		9.8
Chlordane (technical)		ND		490
beta-BHC		ND		9.8
alpha-BHC		ND		9.8
Aldrin		ND		9.8
4,4'-DDT		ND		9.8
4,4'-DDE		ND		9.8
4,4'-DDD		ND		9.8
Alachlor		ND		9.8

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	106	30 - 150
DCB Decachlorobiphenyl	111	30 - 150

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: R1-5 0-2'

Lab Sample ID:	360-18574-4		Date Sampled:	09/03/2008 1215
Client Matrix:	Solid	% Moisture: 10.2	Date Received:	09/05/2008 1045

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-36008	Instrument ID:	Varian 720 ES ICP
Preparation:	3050B	Prep Batch: 360-35905	Lab File ID:	N/A
Dilution:	2.0		Initial Weight/Volume:	1.76 g
Date Analyzed:	09/09/2008 1507		Final Weight/Volume:	100 mL
Date Prepared:	09/08/2008 0728			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		460		1.3
Copper		280		2.5
Antimony		4.8		1.3
Zinc		270		6.3

Analytical Data

Client: Tighe & Bond

Job Number: 360-18574-1

Client Sample ID: R1-5 2-4

Lab Sample ID:	360-18574-5		Date Sampled:	09/03/2008 1220
Client Matrix:	Solid	% Moisture: 8.3	Date Received:	09/05/2008 1045

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-36008	Instrument ID:	Varian 720 ES ICP
Preparation:	3050B	Prep Batch: 360-35905	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.84 g
Date Analyzed:	09/09/2008 1156		Final Weight/Volume:	100 mL
Date Prepared:	09/08/2008 0728			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Lead		61		0.59
Copper		120		1.2
Antimony		ND		0.59
Zinc		100		3.0

General Chemistry

Client Sample ID: HR1-1

Lab Sample ID: 360-18574-1
Client Matrix: Solid

Date Sampled: 09/03/2008 1245
Date Received: 09/05/2008 1045

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.6		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35912		Date Analyzed		09/08/2008 0853			
Percent Solids	95		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35912		Date Analyzed		09/08/2008 0853			

Client Sample ID: HR1-2

Lab Sample ID: 360-18574-2
Client Matrix: Solid

Date Sampled: 09/03/2008 1255
Date Received: 09/05/2008 1045

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.3		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35912		Date Analyzed		09/08/2008 0853			
Percent Solids	94		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35912		Date Analyzed		09/08/2008 0853			

Client Sample ID: HR1-3

Lab Sample ID: 360-18574-3
Client Matrix: Solid

Date Sampled: 09/03/2008 1310
Date Received: 09/05/2008 1045

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	1.3		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35912		Date Analyzed		09/08/2008 0853			
Percent Solids	99		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-35912		Date Analyzed		09/08/2008 0853			

General Chemistry

Client Sample ID: R1-5 0-2'

Lab Sample ID: 360-18574-4
Client Matrix: Solid

Date Sampled: 09/03/2008 1215
Date Received: 09/05/2008 1045

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35912		Date Analyzed	09/08/2008 0853			
Percent Solids	90		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35912		Date Analyzed	09/08/2008 0853			

Client Sample ID: R1-5 2-4

Lab Sample ID: 360-18574-5
Client Matrix: Solid

Date Sampled: 09/03/2008 1220
Date Received: 09/05/2008 1045

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.3		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35912		Date Analyzed	09/08/2008 0853			
Percent Solids	92		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35912		Date Analyzed	09/08/2008 0853			

Client Sample ID: R1-8 0-2'

Lab Sample ID: 360-18574-6
Client Matrix: Solid

Date Sampled: 09/03/2008 1500
Date Received: 09/05/2008 1045

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.7		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35912		Date Analyzed	09/08/2008 0853			
Percent Solids	91		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35912		Date Analyzed	09/08/2008 0853			

Client Sample ID: R1-9 0-2'

Lab Sample ID: 360-18574-7
Client Matrix: Solid

Date Sampled: 09/03/2008 1515
Date Received: 09/05/2008 1045

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35912		Date Analyzed	09/08/2008 0853			
Percent Solids	85		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35912		Date Analyzed	09/08/2008 0853			

General Chemistry

Client Sample ID: R1-10 0-2'

Lab Sample ID: 360-18574-8
Client Matrix: Solid

Date Sampled: 09/03/2008 1530
Date Received: 09/05/2008 1045

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35912		Date Analyzed	09/08/2008 0853			
Percent Solids	89		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-35912		Date Analyzed	09/08/2008 0853			

DATA REPORTING QUALIFIERS

Client: Tighe & Bond

Job Number: 360-18574-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
GC Semi VOA		
	F	MS or MSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: Tighe & Bond

Job Number: 360-18574-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 220-19709					
LB 220-19709/8-A	TCLP SPLPE Leachate Blank	F	Solid	1312	
360-18574-6	R1-8 0-2'	F	Solid	1312	
360-18574-7	R1-9 0-2'	F	Solid	1312	
360-18574-8	R1-10 0-2'	F	Solid	1312	
Analysis Batch:220-19796					
LB 220-19709/8-A	TCLP SPLPE Leachate Blank	F	Solid	8260B	
LCS 220-19796/2	Lab Control Spike	T	Water	8260B	
MB 220-19796/3	Method Blank	T	Water	8260B	
360-18574-6	R1-8 0-2'	F	Solid	8260B	
360-18574-7	R1-9 0-2'	F	Solid	8260B	
360-18574-8	R1-10 0-2'	F	Solid	8260B	
Prep Batch: 360-36044					
LCS 360-36044/1-A	Lab Control Spike	T	Solid	5035	
LCSD 360-36044/2-A	Lab Control Spike Duplicate	T	Solid	5035	
MB 360-36044/3-A	Method Blank	T	Solid	5035	
360-18574-6	R1-8 0-2'	T	Solid	5035	
360-18574-8	R1-10 0-2'	T	Solid	5035	
Prep Batch: 360-36046					
LCS 360-36046/1-A	Lab Control Spike	T	Solid	5035	
LCSD 360-36046/2-A	Lab Control Spike Duplicate	T	Solid	5035	
MB 360-36046/3-A	Method Blank	T	Solid	5035	
360-18574-7	R1-9 0-2'	T	Solid	5035	
Analysis Batch:360-36047					
LCS 360-36044/1-A	Lab Control Spike	T	Solid	8260B	360-36044
LCSD 360-36044/2-A	Lab Control Spike Duplicate	T	Solid	8260B	360-36044
MB 360-36044/3-A	Method Blank	T	Solid	8260B	360-36044
360-18574-6	R1-8 0-2'	T	Solid	8260B	360-36044
360-18574-8	R1-10 0-2'	T	Solid	8260B	360-36044
Analysis Batch:360-36048					
LCS 360-36046/1-A	Lab Control Spike	T	Solid	8260B	360-36046
LCSD 360-36046/2-A	Lab Control Spike Duplicate	T	Solid	8260B	360-36046
MB 360-36046/3-A	Method Blank	T	Solid	8260B	360-36046
360-18574-7	R1-9 0-2'	T	Solid	8260B	360-36046

Report Basis
F = SPLP
T = Total

Client: Tighe & Bond

Job Number: 360-18574-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 360-36030					
LCS 360-36030/2-A	Lab Control Spike	T	Solid	3546	
LCSD 360-36030/3-A	Lab Control Spike Duplicate	T	Solid	3546	
MB 360-36030/1-A	Method Blank	T	Solid	3546	
360-18574-1	HR1-1	T	Solid	3546	
360-18574-2	HR1-2	T	Solid	3546	
360-18574-3	HR1-3	T	Solid	3546	
360-18574-3MS	Matrix Spike	T	Solid	3546	
360-18574-3MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:360-36116					
LCS 360-36030/2-A	Lab Control Spike	T	Solid	8081A	360-36030
LCSD 360-36030/3-A	Lab Control Spike Duplicate	T	Solid	8081A	360-36030
MB 360-36030/1-A	Method Blank	T	Solid	8081A	360-36030
360-18574-1	HR1-1	T	Solid	8081A	360-36030
360-18574-2	HR1-2	T	Solid	8081A	360-36030
360-18574-3	HR1-3	T	Solid	8081A	360-36030
360-18574-3MS	Matrix Spike	T	Solid	8081A	360-36030
360-18574-3MSD	Matrix Spike Duplicate	T	Solid	8081A	360-36030

Report Basis
T = Total

Metals					
Prep Batch: 360-35905					
LCS 360-35905/2-A	Lab Control Spike	T	Solid	3050B	
LCSD 360-35905/3-A	Lab Control Spike Duplicate	T	Solid	3050B	
MB 360-35905/1-A	Method Blank	T	Solid	3050B	
360-18574-4	R1-5 0-2'	T	Solid	3050B	
360-18574-5	R1-5 2-4	T	Solid	3050B	
Analysis Batch:360-36008					
LCS 360-35905/2-A	Lab Control Spike	T	Solid	6010B	360-35905
LCSD 360-35905/3-A	Lab Control Spike Duplicate	T	Solid	6010B	360-35905
MB 360-35905/1-A	Method Blank	T	Solid	6010B	360-35905
360-18574-4	R1-5 0-2'	T	Solid	6010B	360-35905
360-18574-5	R1-5 2-4	T	Solid	6010B	360-35905

Report Basis
T = Total

Client: Tighe & Bond

Job Number: 360-18574-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-35912					
360-18574-1	HR1-1	T	Solid	PercentMoisture	
360-18574-2	HR1-2	T	Solid	PercentMoisture	
360-18574-3	HR1-3	T	Solid	PercentMoisture	
360-18574-4	R1-5 0-2'	T	Solid	PercentMoisture	
360-18574-5	R1-5 2-4	T	Solid	PercentMoisture	
360-18574-6	R1-8 0-2'	T	Solid	PercentMoisture	
360-18574-7	R1-9 0-2'	T	Solid	PercentMoisture	
360-18574-7DU	Duplicate	T	Solid	PercentMoisture	
360-18574-8	R1-10 0-2'	T	Solid	PercentMoisture	

Report Basis
T = Total

Client: Tighe & Bond

Job Number: 360-18574-1

Method Blank - Batch: 220-19796

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-19796/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/09/2008 1122
Date Prepared: 09/09/2008 1122

Analysis Batch: 220-19796
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7678.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloromethane	ND		5.0
Vinyl chloride	ND		5.0
Bromomethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Carbon disulfide	ND		5.0
Acetone	ND		10
Methylene Chloride	ND		5.0
1,1-Dichloroethane	ND		5.0
Methyl Ethyl Ketone	ND		10
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Bromodichloromethane	ND		5.0
methyl isobutyl ketone	ND		10
Toluene	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Dibromochloromethane	ND		5.0
Chlorobenzene	ND		5.0
Ethylbenzene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
Acrylonitrile	ND		10
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dibromoethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methyl tert-butyl ether	ND		5.0
Isopropylbenzene	ND		5.0

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

Client: Tighe & Bond

Job Number: 360-18574-1

Method Blank - Batch: 220-19796

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-19796/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/09/2008 1122
Date Prepared: 09/09/2008 1122

Analysis Batch: 220-19796
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7678.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
N-Propylbenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
trans-1,4-Dichloro-2-butene	ND		10
Acrolein	ND		25
Acetonitrile	ND		50
1,3-Dichloropropane	ND		5.0
Xylenes, Total	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,2-Dichloroethene, Total	ND		5.0
m&p-Xylene	ND		5.0
o-Xylene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Tetrahydrofuran	ND		10
Dichlorodifluoromethane	ND		5.0
Chloroethane	ND		5.0
Hexachlorobutadiene	ND		5.0
Dibromomethane	ND		5.0
1,1-Dichloropropene	ND		5.0
Naphthalene	ND		5.0
Bromobenzene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
2-Hexanone	ND		10
2,2-Dichloropropane	ND		5.0
1,2,3-Trichloropropane	ND		5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	53 - 125
4-Bromofluorobenzene	83	73 - 127
Dibromofluoromethane	101	54 - 137
Toluene-d8 (Surr)	90	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18574-1

TCLP SPLPE Leachate Blank - Batch: 220-19796

Method: 8260B
Preparation: 5030B
SPLP

Lab Sample ID: LB 220-19709/8-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 1724
Date Prepared: 09/09/2008 1724
Date Leached: 09/07/2008 1523

Analysis Batch: 220-19796
Prep Batch: N/A
Units: ug/L
Leachate Batch: 220-19709

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7691.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloromethane	ND		5.0
Vinyl chloride	ND		5.0
Bromomethane	ND		5.0
1,1-Dichloroethene	ND		5.0
Carbon disulfide	ND		5.0
Acetone	12		10
Methylene Chloride	ND		5.0
1,1-Dichloroethane	ND		5.0
Methyl Ethyl Ketone	ND		10
Chloroform	ND		5.0
1,1,1-Trichloroethane	ND		5.0
Carbon tetrachloride	ND		5.0
Benzene	ND		5.0
1,2-Dichloroethane	ND		5.0
Trichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
Bromodichloromethane	ND		5.0
methyl isobutyl ketone	ND		10
Toluene	5.4		5.0
1,1,2-Trichloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Dibromochloromethane	ND		5.0
Chlorobenzene	ND		5.0
Ethylbenzene	ND		5.0
Styrene	ND		5.0
Bromoform	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
Acrylonitrile	ND		10
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
1,2-Dibromoethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
4-Isopropyltoluene	ND		5.0
Methyl tert-butyl ether	ND		5.0
Isopropylbenzene	ND		5.0

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

Client: Tighe & Bond

Job Number: 360-18574-1

TCLP SPLPE Leachate Blank - Batch: 220-19796

Method: 8260B
Preparation: 5030B
SPLP

Lab Sample ID: LB 220-19709/8-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 1724
Date Prepared: 09/09/2008 1724
Date Leached: 09/07/2008 1523

Analysis Batch: 220-19796
Prep Batch: N/A
Units: ug/L

Leachate Batch: 220-19709

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7691.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
N-Propylbenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
trans-1,4-Dichloro-2-butene	ND		10
Acrolein	ND		25
Acetonitrile	ND		50
1,3-Dichloropropane	ND		5.0
Xylenes, Total	ND		5.0
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
1,2-Dichloroethene, Total	ND		5.0
m&p-Xylene	ND		5.0
o-Xylene	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Tetrahydrofuran	ND		10
Dichlorodifluoromethane	ND		5.0
Chloroethane	ND		5.0
Hexachlorobutadiene	ND		5.0
Dibromomethane	ND		5.0
1,1-Dichloropropene	ND		5.0
Naphthalene	ND		5.0
Bromobenzene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
2-Hexanone	ND		10
2,2-Dichloropropane	ND		5.0
1,2,3-Trichloropropane	ND		5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	53 - 125
4-Bromofluorobenzene	79	73 - 127
Dibromofluoromethane	103	54 - 137
Toluene-d8 (Surr)	88	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18574-1

Lab Control Spike - Batch: 220-19796

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-19796/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/09/2008 1027
Date Prepared: 09/09/2008 1027

Analysis Batch: 220-19796
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7676.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	10.0	11.0	110	43 - 134	
Vinyl chloride	10.0	10.9	109	51 - 139	
Bromomethane	10.0	7.77	78	27 - 171	
1,1-Dichloroethene	10.0	12.3	123	57 - 137	
Carbon disulfide	10.0	16.3	163	44 - 142	*
Acetone	10.0	18.8	188	18 - 263	
Methylene Chloride	10.0	11.8	118	61 - 129	
1,1-Dichloroethane	10.0	11.4	114	67 - 121	
Methyl Ethyl Ketone	10.0	15.9	159	30 - 222	
Chloroform	10.0	12.0	120	70 - 124	
1,1,1-Trichloroethane	10.0	12.2	122	60 - 128	
Carbon tetrachloride	10.0	12.2	122	56 - 131	
Benzene	10.0	11.3	113	68 - 126	
1,2-Dichloroethane	10.0	12.2	122	68 - 124	
Trichloroethene	10.0	11.7	117	58 - 125	
1,2-Dichloropropane	10.0	10.8	108	69 - 122	
Bromodichloromethane	10.0	11.7	117	67 - 118	
methyl isobutyl ketone	10.0	ND	96	61 - 140	
Toluene	10.0	10.8	108	70 - 116	
1,1,2-Trichloroethane	10.0	10.9	109	70 - 119	
Tetrachloroethene	10.0	11.2	112	62 - 118	
Dibromochloromethane	10.0	11.7	117	65 - 114	*
Chlorobenzene	10.0	10.8	108	71 - 114	
Ethylbenzene	10.0	10.8	108	71 - 115	
Styrene	10.0	9.30	93	69 - 112	
Bromoform	10.0	10.9	109	63 - 115	
1,1,2,2-Tetrachloroethane	10.0	10.7	107	66 - 129	
cis-1,2-Dichloroethene	10.0	11.0	110	65 - 120	
trans-1,2-Dichloroethene	10.0	11.7	117	57 - 129	
Xylenes, Total	30.0	30.6	102	66 - 118	
cis-1,3-Dichloropropene	10.0	10.2	102	60 - 122	
trans-1,3-Dichloropropene	10.0	10.2	102	55 - 126	
Tetrahydrofuran	20.0	19.9	99	70 - 130	
Dichlorodifluoromethane	10.0	17.9	179	70 - 130	*
Chloroethane	10.0	11.2	112	53 - 167	
Hexachlorobutadiene	10.0	8.54	85	70 - 130	
Dibromomethane	10.0	11.2	112	70 - 130	
1,1-Dichloropropene	10.0	11.5	115	70 - 130	
Naphthalene	10.0	8.70	87	70 - 130	
Bromobenzene	10.0	10.5	105	70 - 130	
1,2,3-Trichlorobenzene	10.0	10.0	100	70 - 130	

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

Client: Tighe & Bond

Job Number: 360-18574-1

Lab Control Spike - Batch: 220-19796

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-19796/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/09/2008 1027
Date Prepared: 09/09/2008 1027

Analysis Batch: 220-19796
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: V7676.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Hexanone	10.0	ND	99	54 - 179	
2,2-Dichloropropane	10.0	12.7	127	70 - 130	
1,2,3-Trichloropropane	10.0	10.7	107	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	53 - 125
4-Bromofluorobenzene	81	73 - 127
Dibromofluoromethane	99	54 - 137
Toluene-d8 (Surr)	90	63 - 121

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

Client: Tighe & Bond

Job Number: 360-18574-1

Method Blank - Batch: 360-36044

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 360-36044/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 2208
Date Prepared: 09/08/2008 0823

Analysis Batch: 360-36047
Prep Batch: 360-36044
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40103.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 g

Analyte	Result	Qual	RL
Acetone	ND		12000
Acrylonitrile	ND		120
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		250
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

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

Client: Tighe & Bond

Job Number: 360-18574-1

Method Blank - Batch: 360-36044

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 360-36044/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 2208
Date Prepared: 09/08/2008 0823

Analysis Batch: 360-36047
Prep Batch: 360-36044
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40103.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 g

Analyte	Result	Qual	RL
Methylene Chloride	ND		500
4-Methyl-2-pentanone (MIBK)	ND		1200
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	100	70 - 130
Dibromofluoromethane	98	70 - 130
Toluene-d8 (Surr)	99	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18574-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-36044

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-36044/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 2008
Date Prepared: 09/08/2008 0823

Analysis Batch: 360-36047
Prep Batch: 360-36044
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40098.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 g

LCSD Lab Sample ID: LCSD 360-36044/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 2032
Date Prepared: 09/08/2008 0823

Analysis Batch: 360-36047
Prep Batch: 360-36044
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40099.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	78	89	70 - 130	13	25		
Acrylonitrile	93	102	70 - 130	9	25		
Benzene	94	96	70 - 130	2	25		
Bromobenzene	96	101	70 - 130	5	25		
n-Butylbenzene	103	104	70 - 130	1	25		
sec-Butylbenzene	101	103	70 - 130	3	25		
tert-Butylbenzene	92	95	70 - 130	3	25		
Dichlorobromomethane	98	101	70 - 130	3	25		
Bromoform	91	97	70 - 130	6	25		
Bromomethane	109	116	70 - 130	6	25		
2-Butanone (MEK)	92	101	70 - 130	9	25		
Carbon disulfide	97	100	70 - 130	4	25		
Carbon tetrachloride	92	95	70 - 130	3	25		
Chlorobenzene	96	99	70 - 130	3	25		
Chloroethane	107	113	70 - 130	6	25		
Chloroform	94	96	70 - 130	2	25		
Chloromethane	84	88	70 - 130	5	25		
2-Chlorotoluene	101	105	70 - 130	4	25		
4-Chlorotoluene	101	105	70 - 130	4	25		
Chlorodibromomethane	99	103	70 - 130	4	25		
1,2-Dibromo-3-Chloropropane	86	101	70 - 130	16	25		
Dibromomethane	90	96	70 - 130	6	25		
1,2-Dichlorobenzene	96	101	70 - 130	4	25		
1,3-Dichlorobenzene	99	105	70 - 130	5	25		
1,4-Dichlorobenzene	100	103	70 - 130	3	25		
Dichlorodifluoromethane	86	89	70 - 130	4	25		
1,1-Dichloroethene	88	92	70 - 130	4	25		
1,1-Dichloroethane	95	98	70 - 130	4	25		
1,2-Dichloroethane	93	98	70 - 130	6	25		
cis-1,2-Dichloroethene	94	97	70 - 130	3	25		
1,2-Dichloropropane	95	100	70 - 130	5	25		
1,3-Dichloropropane	93	97	70 - 130	4	25		

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

Client: Tighe & Bond

Job Number: 360-18574-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-36044

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-36044/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 2008
Date Prepared: 09/08/2008 0823

Analysis Batch: 360-36047
Prep Batch: 360-36044
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40098.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 g

LCSD Lab Sample ID: LCSD 360-36044/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 2032
Date Prepared: 09/08/2008 0823

Analysis Batch: 360-36047
Prep Batch: 360-36044
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40099.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,2-Dichloropropane	93	94	70 - 130	1	25		
1,1-Dichloropropene	94	96	70 - 130	2	25		
cis-1,3-Dichloropropene	96	99	70 - 130	3	25		
trans-1,3-Dichloropropene	95	97	70 - 130	3	25		
Ethylbenzene	94	94	70 - 130	1	25		
Hexachlorobutadiene	100	103	70 - 130	3	25		
2-Hexanone	98	107	70 - 130	9	25		
Isopropylbenzene	91	93	70 - 130	2	25		
4-Isopropyltoluene	102	106	70 - 130	4	25		
Methylene Chloride	92	96	70 - 130	5	25		
4-Methyl-2-pentanone (MIBK)	101	114	70 - 130	13	25		
Methyl tert-butyl ether	86	94	70 - 130	9	25		
Naphthalene	90	99	70 - 130	10	25		
N-Propylbenzene	104	107	70 - 130	2	25		
Styrene	91	94	70 - 130	3	25		
1,1,1,2-Tetrachloroethane	96	101	70 - 130	4	25		
1,1,2,2-Tetrachloroethane	90	96	70 - 130	6	25		
Tetrachloroethene	102	102	70 - 130	0	25		
Tetrahydrofuran	94	105	70 - 130	12	25		
Toluene	97	98	70 - 130	1	25		
1,2,3-Trichlorobenzene	97	107	70 - 130	9	25		
1,2,4-Trichlorobenzene	97	106	70 - 130	9	25		
1,1,1-Trichloroethane	96	98	70 - 130	2	25		
1,1,2-Trichloroethane	95	99	70 - 130	4	25		
Trichloroethene	100	101	70 - 130	1	25		
Trichlorofluoromethane	77	80	70 - 130	4	25		
1,2,3-Trichloropropane	96	107	70 - 130	11	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	92	93	70 - 130	0	25		
1,2,4-Trimethylbenzene	99	104	70 - 130	5	25		
1,3,5-Trimethylbenzene	100	104	70 - 130	4	25		
Vinyl chloride	92	97	70 - 130	5	25		
Ethylene Dibromide	92	97	70 - 130	6	25		

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

Client: Tighe & Bond

Job Number: 360-18574-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-36044

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-36044/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 2008
Date Prepared: 09/08/2008 0823

Analysis Batch: 360-36047
Prep Batch: 360-36044
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40098.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 g

LCSD Lab Sample ID: LCSD 360-36044/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 2032
Date Prepared: 09/08/2008 0823

Analysis Batch: 360-36047
Prep Batch: 360-36044
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40099.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
trans-1,4-Dichloro-2-butene	85	96	70 - 130	12	25		
trans-1,2-Dichloroethene	93	96	70 - 130	3	25		
m-Xylene & p-Xylene	96	98	70 - 130	2	25		
o-Xylene	92	96	70 - 130	4	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	94	97	70 - 130
Dibromofluoromethane	97	98	70 - 130
Toluene-d8 (Surr)	101	101	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18574-1

Method Blank - Batch: 360-36046

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 360-36046/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 2232
Date Prepared: 09/09/2008 0830

Analysis Batch: 360-36048
Prep Batch: 360-36046
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40104.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	RL
Acetone	ND		250
Acrylonitrile	ND		2.5
Benzene	ND		2.5
Bromobenzene	ND		2.5
n-Butylbenzene	ND		2.5
sec-Butylbenzene	ND		2.5
tert-Butylbenzene	ND		2.5
Dichlorobromomethane	ND		2.5
Bromoform	ND		2.5
Bromomethane	ND		5.0
2-Butanone (MEK)	ND		25
Carbon disulfide	ND		2.5
Carbon tetrachloride	ND		2.5
Chlorobenzene	ND		2.5
Chloroethane	ND		5.0
Chloroform	ND		2.5
Chloromethane	ND		5.0
2-Chlorotoluene	ND		2.5
4-Chlorotoluene	ND		2.5
Chlorodibromomethane	ND		2.5
1,2-Dibromo-3-Chloropropane	ND		5.0
Dibromomethane	ND		2.5
1,2-Dichlorobenzene	ND		2.5
1,3-Dichlorobenzene	ND		2.5
1,4-Dichlorobenzene	ND		2.5
Dichlorodifluoromethane	ND		5.0
1,1-Dichloroethene	ND		2.5
1,1-Dichloroethane	ND		2.5
1,2-Dichloroethane	ND		2.5
cis-1,2-Dichloroethene	ND		2.5
1,2-Dichloropropane	ND		2.5
1,3-Dichloropropane	ND		2.5
2,2-Dichloropropane	ND		2.5
1,1-Dichloropropene	ND		2.5
cis-1,3-Dichloropropene	ND		2.5
trans-1,3-Dichloropropene	ND		2.5
Ethylbenzene	ND		2.5
Hexachlorobutadiene	ND		2.5
2-Hexanone	ND		25
Isopropylbenzene	ND		2.5
4-Isopropyltoluene	ND		2.5

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

Client: Tighe & Bond

Job Number: 360-18574-1

Method Blank - Batch: 360-36046

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 360-36046/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 2232
Date Prepared: 09/09/2008 0830

Analysis Batch: 360-36048
Prep Batch: 360-36046
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40104.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	RL
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	ND		25
Methyl tert-butyl ether	ND		2.5
Naphthalene	ND		25
N-Propylbenzene	ND		2.5
Styrene	ND		2.5
1,1,1,2-Tetrachloroethane	ND		2.5
1,1,2,2-Tetrachloroethane	ND		2.5
Tetrachloroethene	ND		2.5
Tetrahydrofuran	ND		25
Toluene	ND		2.5
1,2,3-Trichlorobenzene	ND		2.5
1,2,4-Trichlorobenzene	ND		2.5
1,1,1-Trichloroethane	ND		2.5
1,1,2-Trichloroethane	ND		2.5
Trichloroethene	ND		2.5
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		2.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12
1,2,4-Trimethylbenzene	ND		2.5
1,3,5-Trimethylbenzene	ND		2.5
Vinyl chloride	ND		2.5
Ethylene Dibromide	ND		2.5
trans-1,4-Dichloro-2-butene	ND		5.0
trans-1,2-Dichloroethene	ND		2.5
m-Xylene & p-Xylene	ND		5.0
o-Xylene	ND		2.5

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	105	70 - 130
Dibromofluoromethane	101	70 - 130
Toluene-d8 (Surr)	98	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18574-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-36046

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-36046/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 2056
Date Prepared: 09/09/2008 0830

Analysis Batch: 360-36048
Prep Batch: 360-36046
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40100.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-36046/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 2120
Date Prepared: 09/09/2008 0830

Analysis Batch: 360-36048
Prep Batch: 360-36046
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40101.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	100	82	70 - 130	20	25		
Acrylonitrile	116	93	70 - 130	22	25		
Benzene	98	92	70 - 130	6	25		
Bromobenzene	106	96	70 - 130	10	25		
n-Butylbenzene	100	97	70 - 130	3	25		
sec-Butylbenzene	102	95	70 - 130	8	25		
tert-Butylbenzene	95	89	70 - 130	6	25		
Dichlorobromomethane	105	97	70 - 130	8	25		
Bromoform	102	92	70 - 130	11	25		
Bromomethane	123	113	70 - 130	9	25		
2-Butanone (MEK)	112	93	70 - 130	18	25		
Carbon disulfide	102	94	70 - 130	8	25		
Carbon tetrachloride	93	85	70 - 130	9	25		
Chlorobenzene	100	94	70 - 130	7	25		
Chloroethane	117	107	70 - 130	9	25		
Chloroform	99	92	70 - 130	8	25		
Chloromethane	91	85	70 - 130	7	25		
2-Chlorotoluene	107	99	70 - 130	8	25		
4-Chlorotoluene	108	100	70 - 130	7	25		
Chlorodibromomethane	107	97	70 - 130	10	25		
1,2-Dibromo-3-Chloropropane	103	90	70 - 130	14	25		
Dibromomethane	100	90	70 - 130	10	25		
1,2-Dichlorobenzene	102	97	70 - 130	5	25		
1,3-Dichlorobenzene	107	98	70 - 130	8	25		
1,4-Dichlorobenzene	103	99	70 - 130	3	25		
Dichlorodifluoromethane	87	80	70 - 130	8	25		
1,1-Dichloroethene	90	84	70 - 130	7	25		
1,1-Dichloroethane	101	94	70 - 130	7	25		
1,2-Dichloroethane	103	94	70 - 130	9	25		
cis-1,2-Dichloroethene	100	92	70 - 130	8	25		
1,2-Dichloropropane	103	96	70 - 130	6	25		
1,3-Dichloropropane	105	93	70 - 130	12	25		

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

Client: Tighe & Bond

Job Number: 360-18574-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-36046

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-36046/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 2056
Date Prepared: 09/09/2008 0830

Analysis Batch: 360-36048
Prep Batch: 360-36046
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40100.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-36046/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 2120
Date Prepared: 09/09/2008 0830

Analysis Batch: 360-36048
Prep Batch: 360-36046
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40101.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,2-Dichloropropane	94	87	70 - 130	7	25		
1,1-Dichloropropene	94	89	70 - 130	6	25		
cis-1,3-Dichloropropene	104	95	70 - 130	9	25		
trans-1,3-Dichloropropene	103	96	70 - 130	7	25		
Ethylbenzene	96	91	70 - 130	5	25		
Hexachlorobutadiene	101	96	70 - 130	5	25		
2-Hexanone	119	102	70 - 130	16	25		
Isopropylbenzene	92	87	70 - 130	6	25		
4-Isopropyltoluene	106	98	70 - 130	8	25		
Methylene Chloride	96	88	70 - 130	8	25		
4-Methyl-2-pentanone (MIBK)	126	106	70 - 130	17	25		
Methyl tert-butyl ether	101	90	70 - 130	12	25		
Naphthalene	101	95	70 - 130	6	25		
N-Propylbenzene	107	100	70 - 130	7	25		
Styrene	96	89	70 - 130	7	25		
1,1,1,2-Tetrachloroethane	103	95	70 - 130	8	25		
1,1,2,2-Tetrachloroethane	100	93	70 - 130	8	25		
Tetrachloroethene	101	94	70 - 130	7	25		
Tetrahydrofuran	110	96	70 - 130	13	25		
Toluene	101	95	70 - 130	6	25		
1,2,3-Trichlorobenzene	109	102	70 - 130	7	25		
1,2,4-Trichlorobenzene	106	100	70 - 130	5	25		
1,1,1-Trichloroethane	97	90	70 - 130	7	25		
1,1,2-Trichloroethane	105	94	70 - 130	11	25		
Trichloroethene	102	96	70 - 130	6	25		
Trichlorofluoromethane	77	71	70 - 130	9	25		
1,2,3-Trichloropropane	115	101	70 - 130	13	25		
1,1,2-Trichloro-1,2,2-trifluoroethane	93	80	70 - 130	15	25		
1,2,4-Trimethylbenzene	105	97	70 - 130	8	25		
1,3,5-Trimethylbenzene	106	98	70 - 130	8	25		
Vinyl chloride	98	91	70 - 130	7	25		
Ethylene Dibromide	103	94	70 - 130	10	25		

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

Client: Tighe & Bond

Job Number: 360-18574-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-36046

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 360-36046/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 2056
Date Prepared: 09/09/2008 0830

Analysis Batch: 360-36048
Prep Batch: 360-36046
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40100.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

LCSD Lab Sample ID: LCSD 360-36046/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 2120
Date Prepared: 09/09/2008 0830

Analysis Batch: 360-36048
Prep Batch: 360-36046
Units: ug/Kg

Instrument ID: HP 5890/5972 GC/MS
Lab File ID: V40101.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
trans-1,4-Dichloro-2-butene	106	85	70 - 130	21	25		
trans-1,2-Dichloroethene	97	91	70 - 130	6	25		
m-Xylene & p-Xylene	98	93	70 - 130	5	25		
o-Xylene	97	91	70 - 130	7	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	98	96	70 - 130
Dibromofluoromethane	98	97	70 - 130
Toluene-d8 (Surr)	102	103	70 - 130

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

Client: Tighe & Bond

Job Number: 360-18574-1

Method Blank - Batch: 360-36030

Method: 8081A
Preparation: 3546

Lab Sample ID: MB 360-36030/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/11/2008 2018
Date Prepared: 09/10/2008 1111

Analysis Batch: 360-36116
Prep Batch: 360-36030
Units: ug/Kg

Instrument ID: 6890 GC w/ dual micro-ECI
Lab File ID: M1494.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Toxaphene	ND		500
Methoxychlor	ND		10
Heptachlor epoxide	ND		10
Heptachlor	ND		10
gamma-BHC (Lindane)	ND		3.0
Endrin ketone	ND		10
Endrin aldehyde	ND		10
Endrin	ND		10
Endosulfan sulfate	ND		10
Endosulfan II	ND		10
Endosulfan I	ND		10
Dieldrin	ND		10
delta-BHC	ND		10
Chlordane (technical)	ND		500
beta-BHC	ND		10
alpha-BHC	ND		10
Aldrin	ND		10
4,4'-DDT	ND		10
4,4'-DDE	ND		10
4,4'-DDD	ND		10
Alachlor	ND		10

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	107	30 - 150
DCB Decachlorobiphenyl	105	30 - 150

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

Client: Tighe & Bond

Job Number: 360-18574-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-36030

Method: 8081A
Preparation: 3546

LCS Lab Sample ID: LCS 360-36030/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/11/2008 2034
Date Prepared: 09/10/2008 1111

Analysis Batch: 360-36116
Prep Batch: 360-36030
Units: ug/Kg

Instrument ID: 6890 GC w/ dual micro-EC
Lab File ID: M1495.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 360-36030/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/11/2008 2049
Date Prepared: 09/10/2008 1111

Analysis Batch: 360-36116
Prep Batch: 360-36030
Units: ug/Kg

Instrument ID: 6890 GC w/ dual micro-E
Lab File ID: M1496.D
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 10.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methoxychlor	100	104	40 - 140	3	30		
Heptachlor epoxide	87	91	40 - 140	5	30		
Heptachlor	84	93	40 - 140	10	30		
gamma-BHC (Lindane)	80	86	40 - 140	7	30		
Endrin ketone	90	103	40 - 140	13	30		
Endrin aldehyde	85	97	40 - 140	13	30		
Endrin	95	105	40 - 140	10	30		
Endosulfan sulfate	87	100	40 - 140	14	30		
Endosulfan II	92	103	40 - 140	12	30		
Endosulfan I	93	103	40 - 140	10	30		
Dieldrin	92	103	40 - 140	11	30		
delta-BHC	68	69	40 - 140	2	30		
beta-BHC	92	103	40 - 140	12	30		
alpha-BHC	78	87	40 - 140	11	30		
Aldrin	90	98	40 - 140	9	30		
4,4'-DDT	101	108	40 - 140	6	30		
4,4'-DDE	96	108	40 - 140	11	30		
4,4'-DDD	92	99	40 - 140	8	30		
Alachlor	90	98		9			

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	93	100	30 - 150
DCB Decachlorobiphenyl	90	99	30 - 150

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

Client: Tighe & Bond

Job Number: 360-18574-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-36030

Method: 8081A
Preparation: 3546

MS Lab Sample ID:	360-18574-3	Analysis Batch: 360-36116	Instrument ID: 6890 GC w/ dual micro-E(
Client Matrix:	Solid	Prep Batch: 360-36030	Lab File ID: M1505.D
Dilution:	1.0		Initial Weight/Volume: 10.44 g
Date Analyzed:	09/11/2008 2307		Final Weight/Volume: 10.00 mL
Date Prepared:	09/10/2008 1111		Injection Volume: 1.0 uL
			Column ID: PRIMARY

MSD Lab Sample ID:	360-18574-3	Analysis Batch: 360-36116	Instrument ID: 6890 GC w/ dual micro-ECI
Client Matrix:	Solid	Prep Batch: 360-36030	Lab File ID: M1506.D
Dilution:	1.0		Initial Weight/Volume: 10.11 g
Date Analyzed:	09/11/2008 2322		Final Weight/Volume: 10.00 mL
Date Prepared:	09/10/2008 1111		Injection Volume: 1.0 uL
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methoxychlor	162	120	30 - 150	27	50	F	
Heptachlor epoxide	72	64	30 - 150	8	50		
Heptachlor	75	69	30 - 150	5	50		
gamma-BHC (Lindane)	84	77	30 - 150	6	50		
Endrin ketone	81	83	30 - 150	5	50		
Endrin aldehyde	91	88	30 - 150	0	50		
Endrin	101	139	30 - 150	34	50		
Endosulfan sulfate	189	192	30 - 150	5	50	F	F
Endosulfan II	96	90	30 - 150	3	50		
Endosulfan I	87	90	30 - 150	7	50		
Dieldrin	60	63	30 - 150	9	50		
delta-BHC	67	64	30 - 150	1	50		
beta-BHC	52	52	30 - 150	3	50		
alpha-BHC	74	67	30 - 150	8	50		
Aldrin	95	86	30 - 150	6	50		
4,4'-DDT	905	1190	30 - 150	30	50	F	F
4,4'-DDE	135	113	30 - 150	14	50		
4,4'-DDD	92	83	30 - 150	7	50		
Alachlor	95	86		6			

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	90	82	30 - 150
DCB Decachlorobiphenyl	84	76	30 - 150

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

Client: Tighe & Bond

Job Number: 360-18574-1

Method Blank - Batch: 360-35905

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 360-35905/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 1037
Date Prepared: 09/08/2008 0728

Analysis Batch: 360-36008
Prep Batch: 360-35905
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 2.0 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL
Lead	ND		0.50
Copper	ND		1.0
Antimony	ND		0.50
Zinc	ND		2.5

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-35905

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID: LCS 360-35905/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 1040
Date Prepared: 09/08/2008 0728

Analysis Batch: 360-36008
Prep Batch: 360-35905
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 2.0 g
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 360-35905/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/09/2008 1043
Date Prepared: 09/08/2008 0728

Analysis Batch: 360-36008
Prep Batch: 360-35905
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 2.0 g
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Lead	93	93	80 - 120	0	30		
Copper	94	95	80 - 120	1	30		
Antimony	92	93	80 - 120	1	30		
Zinc	94	93	80 - 120	0	30		

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

Quality Control Results

Client: Tighe & Bond

Job Number: 360-18574-1

Duplicate - Batch: 360-35912

Method: PercentMoisture
Preparation: N/A

Lab Sample ID: 360-18574-7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2008 0853
Date Prepared: N/A

Analysis Batch: 360-35912
Prep Batch: N/A
Units: %

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	15	18	18	20	
Percent Solids	85	82	4	20	

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

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

TA CT

Chain of Custody Record

(Jill)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mason, Becky C	Carrier Tracking No(s):	COC No: 360-3213.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: becky.mason@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 360-18574-1
Address: 128 Long Hill Cross Road, ,	Due Date Requested: 9/12/2008			
City: Shelton	TAT Requested (days):			
State, Zip: CT, 06484				
Phone: 203-929-8140(Tel) 203-929-8142(Fax)	PO #:			
Email:	WO #:			
Project Name: T&B CT	Project #: 36000166			
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)	8260B/1312_Z 8260B CTRSR	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
R1-8 0-2' (360-18574-6)	9/3/08	15:00		Solid			X	1	
R1-9 0-2' (360-18574-7)	9/3/08	15:15		Solid			X	1	
R1-10 0-2' (360-18574-8)	9/3/08	15:30		Solid			X	1	

Received 1-5gram encore for each Sample. KB 9/6/08

NCM 8036

KRT 9/5/08

0.2°C

PASSED RAD SCREEN

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:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	9-5-08 1700	TAL	[signature]	9/6/08 10:13	TACT

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-18574-1

Login Number: 18574
Creator: Tremblay, Kara R
List Number: 1

List Source: TestAmerica Westfield

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	0.6 C
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	
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	
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	

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-18574-1

Login Number: 18574
Creator: Blocker, Kristina
List Number: 1

List Source: TestAmerica Connecticut
List Creation: 09/06/08 11:03 AM

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	
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	
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.	False	recd' 1- 5gram encore each
Sample bottles are completely filled.	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
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Form

•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: TICHE + BOND
Address: 213 COURT ST
MIDDLETOWN, CT
Phone: 860-704-4781 Fax:

Client Project #: 12-613620
Site ID & State: E. HAMPTON, CT
Reports Sent To: KARL WIKSTROM
Email: KRWikstrom@tyleb.com Email Rpt: [X]

Job# 360-18574 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 ____ RUSH X 5 day (Lab Approval Required)

Regulatory Programs/Presumptive Certainty/QC Forms
MADEP MCP [ ] GW1/S1 [ ] PWS DEP Forms [ ]
CTDEP RCP [X] CT RSR [X] 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.

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)	Preservative: NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >12	Na2S2O3	None / 4º C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity	Cu, Pb, Sb, Zn	SPLP Cu, Sb, Pb, Zn	SPLP VOC 8260
HR1-1	S	JW	9/3/08 12:45	X		1	G							X			X										
HR1-2	S	JW	9/3/08 12:55	X		1	G							X			X										
HR1-3	S	JW	9/3/08 13:10	X		1	G							X			X										
R1-5 0-2'	S	JW	9/3/08 12:15	X		1	G							X											X		
R1-5 2-4	S	JW	9/3/08 12:20	X		1	G							X											X		
R1-8 0-2'	S	JW	9/3/08 15:00	X		4	P/G							X	X												X
R1-9 0-2'	S	JW	9/3/08 15:15	X		4	P/G							X	X												X
R1-10 0-2'	S	JW	9/3/08 15:30	X		4	P/G							X	X												X

KRT 9/5/08

Comments:

Sampled by (print): KARL WIKSTROM
Signature: [signature]

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	9/5/08	0910	[signature]	9/5/08	0910
[signature]	9/5/08	1045	Kara Tremblay	9/5/08	1045

Cooler? Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: 0.6 ºC
Preservation / pH checked? Y / N
By: / Date: /

WESTFIELD

Page 1 of 1

White = Lab file Yellow = Report copy Pink = Customer copy

TAL-8245(1007)

ANALYTICAL REPORT

Job Number: 360-19608-1

Job Description: 12-6136-22

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

Attention: Mr. Karl Wikstrom

Approved for release.
Joe Chimi
Report Production Representative
11/4/08 3:06 PM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
11/04/2008

The test results in this report meet all NELAP requirements for accredited parameters. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, 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 DOH 10843.

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

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**E. Hampton**	***Project Number:***	**360-19608-1**
Laboratory Sample ID (s):	**360-19608-(1-9)**	***Sampling Date (s):***	**10/29/08**
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: 11/4/08 14:59

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:	**E. Hampton**	***Project Number:***	**360-19608-1**
Laboratory Sample ID (s):	**360-19608-10**	***Sampling Date (s):***	**10/29/08**
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: 11/4/08 14:59

The certification form has been electronically signed and approved.

Updated Nov 2007

CASE NARRATIVE

Client: Tighe & Bond

Project: 12-6136-22

Report Number: 360-19608-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues as stipulated in the RCP reporting requirements.

In order to facilitate report review, a separate RCP Analytical Method Report Certification Form is included for each method requested.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy "RCP program" reporting limits in some cases if the "adjusted" RL is greater than the applicable RCP standards or criterion to which the concentration is being compared. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes which exceed the calibration range.

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.

The samples were received on 10/30/2008; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.2ºC.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C 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.

POLYCHLORINATED BIPHENYLS

Samples 360-19608-1 through 360-19608-9 were analyzed for polychlorinated biphenyls in accordance with EPA SW846 Method 8082. The samples were prepared on 10/30/2008 and analyzed on 11/03/2008 and 11/04/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this

specific method, were achieved with the exception of:

PCB-1260 failed the MS/MSD recovery criteria high for the matrix spike of sample 360-19608-9. The associated LCS recovered within control limits. Refer to the QC report for details.

General method information:
PCB-1016 exceeded the LCS rpd limit for LCSD 360-38178/3-A. 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.

POLYCHLORINATED BIPHENYLS

Sample 360-19608-10 was analyzed for polychlorinated biphenyls in accordance with EPA SW846 Method 8082. The samples was prepared and analyzed on 10/31/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

General method information:
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.

The following reported method is not listed by Connecticut Department of Environmental Protection (DEP) as a published method which has Reasonable Confidence Protocols (RCPs) QA/QC guidance. Instead, laboratory derived or non-RCP QA/QC guidelines were applied.

PERCENT SOLIDS

Samples 360-19608-1 through 360-19608-9 were analyzed for percent solids in accordance with EPA Method 160.3 Modified. The samples were analyzed on 10/30/2008.

All QC performance standards and recommendations for this specific method were achieved.

This case narrative is available in Word format upon request.

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 360-19608-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL WFD	SW846 8082	
Soxhlet Extraction	TAL WFD		SW846 3540C
Matrix: Water			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL WFD	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		SW846 3510C

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: 360-19608-1

Method	Analyst	Analyst ID
SW846 8082	Zuccala, Marissa	MZ
EPA PercentMoisture	Burton, Teresa F	TFB

SAMPLE SUMMARY

Client: Tighe & Bond

Job Number: 360-19608-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-19608-1	PCB-21 0-3"	Solid	10/29/2008 0915	10/30/2008 1015
360-19608-2	PCB-21 1-2'	Solid	10/29/2008 0925	10/30/2008 1015
360-19608-3	PCB-21 2-4'	Solid	10/29/2008 0935	10/30/2008 1015
360-19608-4	PCB-22 0-3"	Solid	10/29/2008 0942	10/30/2008 1015
360-19608-5	PCB-22 1-2'	Solid	10/29/2008 0942	10/30/2008 1015
360-19608-6	PCB-22 2-4'	Solid	10/29/2008 0955	10/30/2008 1015
360-19608-7	PCB-23 0-3"	Solid	10/29/2008 1300	10/30/2008 1015
360-19608-8	PCB-23 1-2'	Solid	10/29/2008 1305	10/30/2008 1015
360-19608-9	PCB-23 2-3'	Solid	10/29/2008 1310	10/30/2008 1015
360-19608-10	MW-1	Ground Water	10/29/2008 1130	10/30/2008 1015

SAMPLE RESULTS

Client: Tighe & Bond

Job Number: 360-19608-1

Client Sample ID: PCB-21 0-3"

Lab Sample ID:	360-19608-1			Date Sampled:	10/29/2008 0915
Client Matrix:	Solid	% Moisture:	37.2	Date Received:	10/30/2008 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-38196		Instrument ID:	6890 GC w/ dual
Preparation:	3540C	Prep Batch: 360-38178		Lab File ID:	M805.D
Dilution:	1.0			Initial Weight/Volume:	10.77 g
Date Analyzed:	11/04/2008 1144			Final Weight/Volume:	10 mL
Date Prepared:	10/30/2008 1423			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	ND	*	37	150
PCB-1221	ND		62	150
PCB-1232	ND		74	150
PCB-1242	ND		64	150
PCB-1248	ND		28	150
PCB-1254	930		33	150
PCB-1260	ND		28	150
PCB-1262	ND		23	150
PCB-1268	ND		32	150

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	109	30 - 150
Tetrachloro-m-xylene	95	30 - 150

Client: Tighe & Bond

Job Number: 360-19608-1

Client Sample ID: PCB-21 1-2'

Lab Sample ID:	360-19608-2			Date Sampled:	10/29/2008 0925
Client Matrix:	Solid	% Moisture:	27.9	Date Received:	10/30/2008 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-38196		Instrument ID:	6890 GC w/ dual
Preparation:	3540C	Prep Batch: 360-38178		Lab File ID:	M785.D
Dilution:	1.0			Initial Weight/Volume:	10.12 g
Date Analyzed:	11/03/2008 1847			Final Weight/Volume:	10 mL
Date Prepared:	10/30/2008 1423			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	ND	*	34	140
PCB-1221	ND		57	140
PCB-1232	ND		68	140
PCB-1242	ND		59	140
PCB-1248	ND		26	140
PCB-1254	320		30	140
PCB-1260	ND		26	140
PCB-1262	ND		21	140
PCB-1268	ND		30	140

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	30 - 150
Tetrachloro-m-xylene	72	30 - 150

Analytical Data

Client: Tighe & Bond

Job Number: 360-19608-1

Client Sample ID: PCB-21 2-4'

Lab Sample ID:	360-19608-3			Date Sampled:	10/29/2008 0935
Client Matrix:	Solid	% Moisture:	10.3	Date Received:	10/30/2008 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-38196		Instrument ID:	6890 GC w/ dual
Preparation:	3540C	Prep Batch: 360-38178		Lab File ID:	M786.D
Dilution:	1.0			Initial Weight/Volume:	10.19 g
Date Analyzed:	11/03/2008 1903			Final Weight/Volume:	10 mL
Date Prepared:	10/30/2008 1423			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	ND	*	27	110
PCB-1221	ND		46	110
PCB-1232	ND		54	110
PCB-1242	ND		47	110
PCB-1248	ND		21	110
PCB-1254	480		24	110
PCB-1260	ND		21	110
PCB-1262	ND		17	110
PCB-1268	ND		24	110

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	96	30 - 150
Tetrachloro-m-xylene	87	30 - 150

Client: Tighe & Bond

Job Number: 360-19608-1

Client Sample ID: **PCB-22 0-3"**

Lab Sample ID:	360-19608-4			Date Sampled:	10/29/2008 0942
Client Matrix:	Solid	% Moisture:	49.9	Date Received:	10/30/2008 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-38196		Instrument ID:	6890 GC w/ dual
Preparation:	3540C	Prep Batch: 360-38178		Lab File ID:	M787.D
Dilution:	1.0			Initial Weight/Volume:	10.10 g
Date Analyzed:	11/03/2008 1919			Final Weight/Volume:	10 mL
Date Prepared:	10/30/2008 1423			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND	*	50	200
PCB-1221		ND		83	200
PCB-1232		ND		98	200
PCB-1242		ND		85	200
PCB-1248		ND		38	200
PCB-1254		1000		44	200
PCB-1260		ND		38	200
PCB-1262		ND		30	200
PCB-1268		ND		43	200

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	133	30 - 150
Tetrachloro-m-xylene	103	30 - 150

Client: Tighe & Bond

Job Number: 360-19608-1

Client Sample ID: PCB-22 1-2'

Lab Sample ID:	360-19608-5			Date Sampled:	10/29/2008 0942
Client Matrix:	Solid	% Moisture:	42.0	Date Received:	10/30/2008 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-38196		Instrument ID:	6890 GC w/ dual
Preparation:	3540C	Prep Batch: 360-38178		Lab File ID:	M788.D
Dilution:	1.0			Initial Weight/Volume:	10.36 g
Date Analyzed:	11/03/2008 1936			Final Weight/Volume:	10 mL
Date Prepared:	10/30/2008 1423			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	ND	*	42	170
PCB-1221	ND		70	170
PCB-1232	ND		83	170
PCB-1242	ND		72	170
PCB-1248	ND		32	170
PCB-1254	2600		37	170
PCB-1260	ND		32	170
PCB-1262	ND		26	170
PCB-1268	ND		36	170

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	129	30 - 150
Tetrachloro-m-xylene	110	30 - 150

Client: Tighe & Bond

Job Number: 360-19608-1

Client Sample ID: PCB-22 2-4'

Lab Sample ID:	360-19608-6			Date Sampled:	10/29/2008 0955
Client Matrix:	Solid	% Moisture:	10.9	Date Received:	10/30/2008 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-38196		Instrument ID:	6890 GC w/ dual
Preparation:	3540C	Prep Batch: 360-38178		Lab File ID:	M789.D
Dilution:	1.0			Initial Weight/Volume:	10.40 g
Date Analyzed:	11/03/2008 1952			Final Weight/Volume:	10 mL
Date Prepared:	10/30/2008 1423			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	ND	*	27	110
PCB-1221	ND		45	110
PCB-1232	ND		54	110
PCB-1242	ND		47	110
PCB-1248	ND		21	110
PCB-1254	290		24	110
PCB-1260	ND		21	110
PCB-1262	ND		17	110
PCB-1268	ND		23	110

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	117	30 - 150
Tetrachloro-m-xylene	116	30 - 150

Client: Tighe & Bond

Job Number: 360-19608-1

Client Sample ID: **PCB-23 0-3"**

Lab Sample ID:	360-19608-7			Date Sampled:	10/29/2008 1300
Client Matrix:	Solid	% Moisture:	9.7	Date Received:	10/30/2008 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-38196		Instrument ID:	6890 GC w/ dual
Preparation:	3540C	Prep Batch: 360-38178		Lab File ID:	M790.D
Dilution:	1.0			Initial Weight/Volume:	10.23 g
Date Analyzed:	11/03/2008 2009			Final Weight/Volume:	10 mL
Date Prepared:	10/30/2008 1423			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	ND	*	27	110
PCB-1221	ND		45	110
PCB-1232	ND		54	110
PCB-1242	ND		47	110
PCB-1248	ND		21	110
PCB-1254	85	J	24	110
PCB-1260	ND		21	110
PCB-1262	ND		17	110
PCB-1268	ND		23	110

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	119	30 - 150
Tetrachloro-m-xylene	107	30 - 150

Client: Tighe & Bond

Job Number: 360-19608-1

Client Sample ID: PCB-23 1-2'

Lab Sample ID:	360-19608-8			Date Sampled:	10/29/2008 1305
Client Matrix:	Solid	% Moisture:	20.4	Date Received:	10/30/2008 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-38196		Instrument ID:	6890 GC w/ dual
Preparation:	3540C	Prep Batch: 360-38178		Lab File ID:	M791.D
Dilution:	1.0			Initial Weight/Volume:	10.18 g
Date Analyzed:	11/03/2008 2025			Final Weight/Volume:	10 mL
Date Prepared:	10/30/2008 1423			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND	*	31	120
PCB-1221		ND		52	120
PCB-1232		ND		61	120
PCB-1242		ND		53	120
PCB-1248		ND		24	120
PCB-1254		70	J	27	120
PCB-1260		ND		23	120
PCB-1262		ND		19	120
PCB-1268		ND		27	120

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	121	30 - 150
Tetrachloro-m-xylene	106	30 - 150

Client: Tighe & Bond

Job Number: 360-19608-1

Client Sample ID: **PCB-23 2-3'**

Lab Sample ID:	360-19608-9			Date Sampled:	10/29/2008 1310
Client Matrix:	Solid	% Moisture:	16.4	Date Received:	10/30/2008 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-38196		Instrument ID:	6890 GC w/ dual
Preparation:	3540C	Prep Batch: 360-38178		Lab File ID:	M792.D
Dilution:	1.0			Initial Weight/Volume:	10.30 g
Date Analyzed:	11/03/2008 2042			Final Weight/Volume:	10 mL
Date Prepared:	10/30/2008 1423			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	ND	*	29	120
PCB-1221	ND		49	120
PCB-1232	ND		58	120
PCB-1242	ND		50	120
PCB-1248	ND		22	120
PCB-1254	51	J	26	120
PCB-1260	ND		22	120
PCB-1262	ND		18	120
PCB-1268	ND		25	120

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	101	30 - 150
Tetrachloro-m-xylene	102	30 - 150

Analytical Data

Client: Tighe & Bond

Job Number: 360-19608-1

Client Sample ID: **MW-1**

Lab Sample ID: 360-19608-10
Client Matrix: Ground Water

Date Sampled: 10/29/2008 1130
Date Received: 10/30/2008 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3510C
Dilution: 1.0
Date Analyzed: 10/31/2008 1836
Date Prepared: 10/31/2008 1235

Analysis Batch: 360-38194
Prep Batch: 360-38162

Instrument ID: 6890 GC w/ dual
Lab File ID: M738.D
Initial Weight/Volume: 930 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.12	0.32
PCB-1221	ND		0.32	0.32
PCB-1232	ND		0.11	0.32
PCB-1242	ND		0.15	0.32
PCB-1248	ND		0.12	0.32
PCB-1254	ND		0.086	0.32
PCB-1260	ND		0.097	0.32
PCB-1262	ND		0.11	0.32
PCB-1268	ND		0.054	0.32

Surrogate	%Rec	Acceptance Limits
DCB Decachlorobiphenyl	67	30 - 150
Tetrachloro-m-xylene	79	30 - 150

General Chemistry

Client Sample ID: PCB-21 0-3"

Lab Sample ID: 360-19608-1
Client Matrix: Solid

Date Sampled: 10/29/2008 0915
Date Received: 10/30/2008 1015

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	37		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-38085	Date Analyzed		10/30/2008 1419				
Percent Solids	63		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-38085	Date Analyzed		10/30/2008 1419				

Client Sample ID: PCB-21 1-2'

Lab Sample ID: 360-19608-2
Client Matrix: Solid

Date Sampled: 10/29/2008 0925
Date Received: 10/30/2008 1015

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	28		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-38085	Date Analyzed		10/30/2008 1419				
Percent Solids	72		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-38085	Date Analyzed		10/30/2008 1419				

Client Sample ID: PCB-21 2-4'

Lab Sample ID: 360-19608-3
Client Matrix: Solid

Date Sampled: 10/29/2008 0935
Date Received: 10/30/2008 1015

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-38085	Date Analyzed		10/30/2008 1419				
Percent Solids	90		%	1.0	1.0	1.0	PercentMoisture
Anly Batch: 360-38085	Date Analyzed		10/30/2008 1419				

General Chemistry

Client Sample ID: PCB-22 0-3"

Lab Sample ID: 360-19608-4
Client Matrix: Solid

Date Sampled: 10/29/2008 0942
Date Received: 10/30/2008 1015

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	50		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-38085		Date Analyzed	10/30/2008 1419			
Percent Solids	50		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-38085		Date Analyzed	10/30/2008 1419			

Client Sample ID: PCB-22 1-2'

Lab Sample ID: 360-19608-5
Client Matrix: Solid

Date Sampled: 10/29/2008 0942
Date Received: 10/30/2008 1015

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	42		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-38085		Date Analyzed	10/30/2008 1419			
Percent Solids	58		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-38085		Date Analyzed	10/30/2008 1419			

Client Sample ID: PCB-22 2-4'

Lab Sample ID: 360-19608-6
Client Matrix: Solid

Date Sampled: 10/29/2008 0955
Date Received: 10/30/2008 1015

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-38085		Date Analyzed	10/30/2008 1419			
Percent Solids	89		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-38085		Date Analyzed	10/30/2008 1419			

Client Sample ID: PCB-23 0-3"

Lab Sample ID: 360-19608-7
Client Matrix: Solid

Date Sampled: 10/29/2008 1300
Date Received: 10/30/2008 1015

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.7		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-38085		Date Analyzed	10/30/2008 1419			
Percent Solids	90		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-38085		Date Analyzed	10/30/2008 1419			

General Chemistry

Client Sample ID: PCB-23 1-2'

Lab Sample ID: 360-19608-8
Client Matrix: Solid

Date Sampled: 10/29/2008 1305
Date Received: 10/30/2008 1015

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-38085		Date Analyzed	10/30/2008 1419			
Percent Solids	80		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-38085		Date Analyzed	10/30/2008 1419			

Client Sample ID: PCB-23 2-3'

Lab Sample ID: 360-19608-9
Client Matrix: Solid

Date Sampled: 10/29/2008 1310
Date Received: 10/30/2008 1015

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-38085		Date Analyzed	10/30/2008 1419			
Percent Solids	84		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-38085		Date Analyzed	10/30/2008 1419			

DATA REPORTING QUALIFIERS

Client: Tighe & Bond

Job Number: 360-19608-1

Lab Section	Qualifier	Description
GC Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: Tighe & Bond

Job Number: 360-19608-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 360-38162					
LCS 360-38162/2-A	Lab Control Spike	T	Water	3510C	
LCSD 360-38162/3-A	Lab Control Spike Duplicate	T	Water	3510C	
MB 360-38162/1-A	Method Blank	T	Water	3510C	
360-19608-10	MW-1	T	Water	3510C	
Prep Batch: 360-38178					
LCS 360-38178/2-A	Lab Control Spike	T	Solid	3540C	
LCSD 360-38178/3-A	Lab Control Spike Duplicate	T	Solid	3540C	
MB 360-38178/1-A	Method Blank	T	Solid	3540C	
360-19608-1	PCB-21 0-3"	T	Solid	3540C	
360-19608-2	PCB-21 1-2'	T	Solid	3540C	
360-19608-3	PCB-21 2-4'	T	Solid	3540C	
360-19608-4	PCB-22 0-3"	T	Solid	3540C	
360-19608-5	PCB-22 1-2'	T	Solid	3540C	
360-19608-6	PCB-22 2-4'	T	Solid	3540C	
360-19608-7	PCB-23 0-3"	T	Solid	3540C	
360-19608-8	PCB-23 1-2'	T	Solid	3540C	
360-19608-9	PCB-23 2-3'	T	Solid	3540C	
360-19608-9MS	Matrix Spike	T	Solid	3540C	
360-19608-9MSD	Matrix Spike Duplicate	T	Solid	3540C	
Analysis Batch:360-38194					
LCS 360-38162/2-A	Lab Control Spike	T	Water	8082	360-38162
LCSD 360-38162/3-A	Lab Control Spike Duplicate	T	Water	8082	360-38162
MB 360-38162/1-A	Method Blank	T	Water	8082	360-38162
360-19608-10	MW-1	T	Water	8082	360-38162
Analysis Batch:360-38196					
LCS 360-38178/2-A	Lab Control Spike	T	Solid	8082	360-38178
LCSD 360-38178/3-A	Lab Control Spike Duplicate	T	Solid	8082	360-38178
MB 360-38178/1-A	Method Blank	T	Solid	8082	360-38178
360-19608-1	PCB-21 0-3"	T	Solid	8082	360-38178
360-19608-2	PCB-21 1-2'	T	Solid	8082	360-38178
360-19608-3	PCB-21 2-4'	T	Solid	8082	360-38178
360-19608-4	PCB-22 0-3"	T	Solid	8082	360-38178
360-19608-5	PCB-22 1-2'	T	Solid	8082	360-38178
360-19608-6	PCB-22 2-4'	T	Solid	8082	360-38178
360-19608-7	PCB-23 0-3"	T	Solid	8082	360-38178
360-19608-8	PCB-23 1-2'	T	Solid	8082	360-38178
360-19608-9	PCB-23 2-3'	T	Solid	8082	360-38178
360-19608-9MS	Matrix Spike	T	Solid	8082	360-38178
360-19608-9MSD	Matrix Spike Duplicate	T	Solid	8082	360-38178

Client: Tighe & Bond

Job Number: 360-19608-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
T = Total					
General Chemistry					
Analysis Batch:360-38085					
360-19608-1	PCB-21 0-3"	T	Solid	PercentMoisture	
360-19608-2	PCB-21 1-2'	T	Solid	PercentMoisture	
360-19608-3	PCB-21 2-4'	T	Solid	PercentMoisture	
360-19608-4	PCB-22 0-3"	T	Solid	PercentMoisture	
360-19608-5	PCB-22 1-2'	T	Solid	PercentMoisture	
360-19608-6	PCB-22 2-4'	T	Solid	PercentMoisture	
360-19608-7	PCB-23 0-3"	T	Solid	PercentMoisture	
360-19608-8	PCB-23 1-2'	T	Solid	PercentMoisture	
360-19608-9	PCB-23 2-3'	T	Solid	PercentMoisture	

Report Basis
T = Total

Client: Tighe & Bond

Job Number: 360-19608-1

Method Blank - Batch: 360-38162

Method: 8082
Preparation: 3510C

Lab Sample ID: MB 360-38162/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2008 1730
Date Prepared: 10/31/2008 1235

Analysis Batch: 360-38194
Prep Batch: 360-38162
Units: ug/L

Instrument ID: 6890 GC w/ dual micro-ECI
Lab File ID: M734.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.11	0.30
PCB-1221	ND		0.30	0.30
PCB-1232	ND		0.10	0.30
PCB-1242	ND		0.14	0.30
PCB-1248	ND		0.11	0.30
PCB-1254	ND		0.080	0.30
PCB-1260	ND		0.090	0.30
PCB-1262	ND		0.10	0.30
PCB-1268	ND		0.050	0.30

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	85	30 - 150
Tetrachloro-m-xylene	75	30 - 150

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

Client: Tighe & Bond

Job Number: 360-19608-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-38162

Method: 8082
Preparation: 3510C

LCS Lab Sample ID: LCS 360-38162/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2008 1746
Date Prepared: 10/31/2008 1235

Analysis Batch: 360-38194
Prep Batch: 360-38162
Units: ug/L

Instrument ID: 6890 GC w/ dual micro-EC
Lab File ID: M735.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 360-38162/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/31/2008 1803
Date Prepared: 10/31/2008 1235

Analysis Batch: 360-38194
Prep Batch: 360-38162
Units: ug/L

Instrument ID: 6890 GC w/ dual micro-E
Lab File ID: M736.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	91	94	40 - 140	3	20		
PCB-1260	84	88	40 - 140	5	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	74	75	30 - 150
Tetrachloro-m-xylene	82	80	30 - 150

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

Client: Tighe & Bond

Job Number: 360-19608-1

Method Blank - Batch: 360-38178

Method: 8082
Preparation: 3540C

Lab Sample ID: MB 360-38178/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2008 1741
Date Prepared: 10/30/2008 1423

Analysis Batch: 360-38196
Prep Batch: 360-38178
Units: ug/Kg

Instrument ID: 6890 GC w/ dual micro-ECI
Lab File ID: M781.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		25	100
PCB-1221	ND		42	100
PCB-1232	ND		50	100
PCB-1242	ND		43	100
PCB-1248	ND		19	100
PCB-1254	ND		22	100
PCB-1260	ND		19	100
PCB-1262	ND		15	100
PCB-1268	ND		22	100

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	103	30 - 150
Tetrachloro-m-xylene	39	30 - 150

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

Client: Tighe & Bond

Job Number: 360-19608-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-38178

Method: 8082
Preparation: 3540C

LCS Lab Sample ID: LCS 360-38178/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2008 1757
Date Prepared: 10/30/2008 1423

Analysis Batch: 360-38196
Prep Batch: 360-38178
Units: ug/Kg

Instrument ID: 6890 GC w/ dual micro-EC
Lab File ID: M782.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 360-38178/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2008 1814
Date Prepared: 10/30/2008 1423

Analysis Batch: 360-38196
Prep Batch: 360-38178
Units: ug/Kg

Instrument ID: 6890 GC w/ dual micro-E
Lab File ID: M783.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	53	73	40 - 140	31	30		*
PCB-1260	80	80	40 - 140	0	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	86	79	30 - 150
Tetrachloro-m-xylene	35	59	30 - 150

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

Client: Tighe & Bond

Job Number: 360-19608-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-38178

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	360-19608-9	Analysis Batch: 360-38196	Instrument ID: 6890 GC w/ dual micro-E(
Client Matrix:	Solid	Prep Batch: 360-38178	Lab File ID: M793.D
Dilution:	1.0		Initial Weight/Volume: 10.51 g
Date Analyzed:	11/03/2008 2058		Final Weight/Volume: 10 mL
Date Prepared:	10/30/2008 1423		Injection Volume: 1.0 uL
			Column ID: PRIMARY

MSD Lab Sample ID:	360-19608-9	Analysis Batch: 360-38196	Instrument ID: 6890 GC w/ dual micro-ECI
Client Matrix:	Solid	Prep Batch: 360-38178	Lab File ID: M794.D
Dilution:	1.0		Initial Weight/Volume: 10.44 g
Date Analyzed:	11/03/2008 2114		Final Weight/Volume: 10 mL
Date Prepared:	10/30/2008 1423		Injection Volume: 1.0 uL
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	128	118	40 - 140	8	50		
PCB-1260	141	132	40 - 140	6	50	F	

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	135	129	30 - 150
Tetrachloro-m-xylene	129	135	30 - 150

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

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-19608-1

Login Number: 19608
Creator: Tremblay, Kara R
List Number: 1

List Source: TestAmerica Westfield

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	1.2 C
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	
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	
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

724

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(F) 413-572-3707
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Client: TIGHE + BOND
Address: 213 COURT ST
MIDDLETOWN, CT
Phone: 860-704-4760 Fax:

Client Project #: 12-613622
Site ID & State: E. HAMPTON, CT
Reports Sent To: KARL WIKSTROM
Email: KRWikstrom@tighebond.com Email Rpt: ☒

Job# 360-19608 Quote# PO#

Shaded areas for office use
Invoice same as Report to? ☒ -N1
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 ____ RUSH X (3 day) (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 ☐

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.

Sample Type Codes: WW-Wastewater, DW-Drinking Water, SW-Surface Water, GW-Groundwater, LW Lab Water, A-Air, S-Solids, "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 / 4° C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity
PCB-21 0-3"	S	JW	10/29/08	X		1	G							X			X							
PCB-21 1-2'	S	JW	10/29/08	X		1								X			X							
PCB-21 2-4'	S	JW	10/29/08	X		1								X			X							
PCB-22 0-3"	S	JW	10/29/08	X		1								X			X							
PCB-22 1-2'	S	JW	10/29/08	X		1								X			X							
PCB-22 2-4'	S	JW	10/29/08	X		1								X			X							
PCB-23 0-3"	S	JW	10/29/08 13:00	X		1								X			X							
PCB-23 1-2'	S	JW	10/29/08 13:05	X		1								X			X							
PCB-23 2-3'	S	JW	10/29/08 13:10	X		1								X			X							
MW-1	GW	N	10/29/08 11:35	X		1	G							X			X							

Comments:
RCP - CT
All Analysis w/ soxhlet extract.

Sampled by (print): KARL P. WIKSTROM
Signature:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Talia Ellis	10/30/08	0910	Jerry Pal	10/30/08	0910
Jerry Pal	10/30/08	1015	Kara Tremblay	10/30/08	1015

Cooler? Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: 1.2 °C
Preservation / pH checked? Y / N KRT
By: KRT Date: 10/30/08

WESTFIELD

Page 1 of 2

White = Lab file Yellow = Report copy Pink = Customer copy

ANALYTICAL REPORT

Job Number: 360-19612-1

Job Description: 12-613622

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

Attention: Mr. Karl Wikstrom

Approved for release.
Joe Chimi
Report Production Representative
11/6/08 9:21 AM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
11/06/2008

The test results in this report meet all NELAP requirements for accredited parameters. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, 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 DOH 10843.

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

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**E. Hampton**	***Project Number:***	**360-19612-1**
Laboratory Sample ID (s):	**360-19612-(1-2)**	***Sampling Date (s):***	**10/29/08**
Method:	**SW846 8082**		

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: 11/6/08 9:06

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:	**E. Hampton**	***Project Number:***	**360-19612-1**
Laboratory Sample ID (s):	**360-19612-(1-2)**	***Sampling Date (s):***	**10/29/08**
Method:	**STATE CT ETPH**		

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.

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Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 11/6/08 9:06

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:	**E. Hampton**	***Project Number:***	**360-19612-1**
Laboratory Sample ID (s):	**360-19612-(1-2)**	***Sampling Date (s):***	**10/29/08**
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: 11/6/08 9:06

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:	**E. Hampton**	***Project Number:***	**360-19612-1**
Laboratory Sample ID (s):	**360-19612-(1-2)**	***Sampling Date (s):***	**10/29/08**
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: 11/6/08 9:06

The certification form has been electronically signed and approved.

Updated Nov 2007

CASE NARRATIVE

Client: Tighe & Bond

Project: 12-613622

Report Number: 360-19612-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues as stipulated in the RCP reporting requirements.

In order to facilitate report review, a separate RCP Analytical Method Report Certification Form is included for each method requested.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy "RCP program" reporting limits in some cases if the "adjusted" RL is greater than the applicable RCP standards or criterion to which the concentration is being compared. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes which exceed the calibration range.

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.

The samples were received on 10/30/2008; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.2ºC.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C 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.

POLYCHLORINATED BIPHENYLS

Samples 360-19612-1 and 360-19612-2 were analyzed for polychlorinated biphenyls in accordance with EPA SW846 Method 8082. The samples were prepared on 10/30/2008 and analyzed on 11/03/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

General method information:
PCB-1016 exceeded the LCS rpd limit for LCSD 360-38178/3-A. 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 360-19612-1 and 360-19612-2(20X) required dilution prior to analysis. The reporting limits have been adjusted accordingly. Dilutions were due to high target concentration. Consequently, the surrogates DCB Decachlorobiphenyl and Tetrachloro-m-xylene were diluted outside control limits.

EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS

Samples 360-19612-1 and 360-19612-2 were analyzed for extractable total petroleum hydrocarbons in accordance with CT ETPH. The samples were prepared and analyzed on 11/04/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved with the exception of:

C9-C36 was detected in method blank MB 360-38285/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Results for samples 360-19612-1 and 360-19612-2 were greater than ten times the method blank concentration. Refer to the QC report for details.

General method information:
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 360-19612-1(50X) and 360-19612-2(5X) required dilution prior to analysis. The reporting limits have been adjusted accordingly. Dilutions were due to high concentration. Consequently, for sample 360-19612-1, the surrogate o-Terphenyl was diluted outside control limits.

TOTAL METALS

Samples 360-19612-1 and 360-19612-2 were analyzed for total metals in accordance with EPA SW846 Method 6010B. The samples were prepared on 10/31/2008 and analyzed on 11/03/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved with the exception of:

Barium, Chromium and Lead failed the MS/MSD recovery criteria low for the matrix spike of

sample 360-19612-1. The associated LCS recovered within control limits. Refer to the QC report for details.

General method information:
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.

Barium and Chromium were detected in method blank MB 360-38132/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Sample 360-19612-1(5X) required dilution prior to analysis. The reporting limits have been adjusted accordingly. Dilution was due to high non-target concentration.

TOTAL MERCURY

Samples 360-19612-1 and 360-19612-2 were analyzed for total mercury in accordance with EPA SW846 Method 7471A. The samples were prepared on 10/31/2008 and analyzed on 11/03/2008.

All QA/QC procedures required to meet Reasonable Confidence Protocols for the specified analytical method were performed as per section 1 of the CT DEP RCP analytical method report Certification form.

All QC performance standards and recommendations, which may affect Data Usability for this specific method, were achieved.

General method information:
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.

The following reported methods are not listed by Connecticut Department of Environmental Protection (DEP) as a published method which has Reasonable Confidence Protocols (RCPs) QA/QC guidance. Instead, laboratory derived or non-RCP QA/QC guidelines were applied.

IGNITABILITY

Samples 360-19612-1 and 360-19612-2 were analyzed for ignitability in accordance with EPA SW846 Method 1010. The samples were analyzed on 11/03/2008.

All QC performance standards and recommendations for this specific method were achieved.

REACTIVE CYANIDE

Samples 360-19612-1 and 360-19612-2 were analyzed for reactive cyanide in accordance with EPA SW846 Method 7.3.3. The samples were prepared and analyzed on 10/31/2008.

All QC performance standards and recommendations for this specific method were achieved.

REACTIVE SULFIDE

Samples 360-19612-1 and 360-19612-2 were analyzed for reactive sulfide in accordance with EPA SW846 Method 7.3.4. The samples were prepared and analyzed on 10/31/2008.

All QC performance standards and recommendations for this specific method were achieved.

SOIL AND WASTE PH

Samples 360-19612-1 and 360-19612-2 were analyzed for Soil and Waste pH in accordance with EPA SW846 Method 9045C. The samples were leached on 11/05/2008 and analyzed on 11/05/2008.

All QC performance standards and recommendations for this specific method were achieved.

PERCENT SOLIDS

Samples 360-19612-1 and 360-19612-2 were analyzed for percent solids in accordance with EPA Method 160.3 Modified. The samples were analyzed on 10/31/2008.

All QC performance standards and recommendations for this specific method were achieved.

This case narrative is available in Word format upon request.

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 360-19612-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
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 WFD	SW846 6010B	
Preparation, Metals	TAL WFD		SW846 3050B
Mercury (CVAA)	TAL WFD	SW846 7471A	
Preparation, Mercury	TAL WFD		SW846 7471A
Ignitability, Pensky-Martens Closed-Cup Method	TAL WFD	SW846 1010	
Cyanide, Reactive	TAL WFD	SW846 9014	
Cyanide, Reactive	TAL WFD		SW846 7.3.3
Sulfide, Reactive	TAL WFD	SW846 9034	
Sulfide, Reactive	TAL WFD		SW846 7.3.4
pH	TAL WFD	SW846 9045C	
Deionized Water Leaching Procedure	TAL WFD		ASTM DI Leach

Lab References:

TAL WFD = TestAmerica Westfield

Method References:

ASTM = ASTM International

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: 360-19612-1

Method	Analyst	Analyst ID
SW846 8082	Zuccala, Marissa	MZ
STATE CT ETPH	Rachtan, Karolina	KR
SW846 6010B	Nasiatka, Ellen M	EMN
SW846 7471A	Nasiatka, Ellen M	EMN
SW846 1010	Emerich, Rich W	RWE
SW846 9014	Emerich, Rich W	RWE
SW846 9034	Emerich, Rich W	RWE
SW846 9045C	Emerich, Rich W	RWE
EPA PercentMoisture	Kim, Young Ran R	YRK

SAMPLE SUMMARY

Client: Tighe & Bond

Job Number: 360-19612-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-19612-1	WD-1	Solid	10/29/2008 1330	10/30/2008 1015
360-19612-2	PC-1	Solid	10/29/2008 1145	10/30/2008 1015

SAMPLE RESULTS

Client: Tighe & Bond

Job Number: 360-19612-1

Client Sample ID: **WD-1**

Lab Sample ID:	360-19612-1			Date Sampled:	10/29/2008 1330
Client Matrix:	Solid	% Moisture:	2.3	Date Received:	10/30/2008 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-38196		Instrument ID:	6890 GC w/ dual
Preparation:	3540C	Prep Batch: 360-38178		Lab File ID:	M796.D
Dilution:	20			Initial Weight/Volume:	10.37 g
Date Analyzed:	11/03/2008 2147			Final Weight/Volume:	10 mL
Date Prepared:	10/30/2008 1423			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND	*	490	2000
PCB-1221		ND		830	2000
PCB-1232		ND		980	2000
PCB-1242		ND		850	2000
PCB-1248		ND		380	2000
PCB-1254		11000		440	2000
PCB-1260		ND		380	2000
PCB-1262		ND		300	2000
PCB-1268		ND		430	2000

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	X D	30 - 150
Tetrachloro-m-xylene	0	X D	30 - 150

Client: Tighe & Bond

Job Number: 360-19612-1

Client Sample ID: PC-1

Lab Sample ID:	360-19612-2			Date Sampled:	10/29/2008 1145
Client Matrix:	Solid	% Moisture:	13.6	Date Received:	10/30/2008 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 360-38196		Instrument ID:	6890 GC w/ dual
Preparation:	3540C	Prep Batch: 360-38178		Lab File ID:	M797.D
Dilution:	20			Initial Weight/Volume:	10.84 g
Date Analyzed:	11/03/2008 2204			Final Weight/Volume:	10 mL
Date Prepared:	10/30/2008 1423			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND	*	540	2100
PCB-1221		ND		900	2100
PCB-1232		ND		1100	2100
PCB-1242		ND		920	2100
PCB-1248		ND		410	2100
PCB-1254		12000		470	2100
PCB-1260		ND		410	2100
PCB-1262		ND		330	2100
PCB-1268		ND		460	2100

Surrogate	%Rec		Acceptance Limits
DCB Decachlorobiphenyl	0	X D	30 - 150
Tetrachloro-m-xylene	0	X D	30 - 150

Client: Tighe & Bond

Job Number: 360-19612-1

Client Sample ID: **WD-1**

Lab Sample ID:	360-19612-1			Date Sampled:	10/29/2008 1330
Client Matrix:	Solid	% Moisture:	2.3	Date Received:	10/30/2008 1015

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-38335		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-38285		Lab File ID:	F12365.D
Dilution:	50			Initial Weight/Volume:	30.33 g
Date Analyzed:	11/04/2008 2124			Final Weight/Volume:	3.0 mL
Date Prepared:	11/04/2008 1451			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
C9-C36		12000	B	500	500

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	X D	50 - 150

Client: Tighe & Bond

Job Number: 360-19612-1

Client Sample ID: **PC-1**

Lab Sample ID:	360-19612-2			Date Sampled:	10/29/2008 1145
Client Matrix:	Solid	% Moisture:	13.6	Date Received:	10/30/2008 1015

CT ETPH Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Method:	CT ETPH	Analysis Batch: 360-38335		Instrument ID:	HP 5890II GC w/ dual FIDs
Preparation:	3546	Prep Batch: 360-38285		Lab File ID:	F12366.D
Dilution:	5.0			Initial Weight/Volume:	30.41 g
Date Analyzed:	11/04/2008 2157			Final Weight/Volume:	1.0 mL
Date Prepared:	11/04/2008 1451			Injection Volume:	
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y Result (mg/Kg)	Qualifier	RL	RL
C9-C36	400	B	19	19

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	85	50 - 150

Client: Tighe & Bond

Job Number: 360-19612-1

Client Sample ID: WD-1

Lab Sample ID:	360-19612-1		Date Sampled:	10/29/2008 1330
Client Matrix:	Solid	% Moisture: 2.3	Date Received:	10/30/2008 1015

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-38227	Instrument ID:	Varian 720 ES ICP
Preparation:	3050B	Prep Batch: 360-38132	Lab File ID:	N/A
Dilution:	5.0		Initial Weight/Volume:	1.69 g
Date Analyzed:	11/03/2008 1115		Final Weight/Volume:	100 mL
Date Prepared:	10/31/2008 0843			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		14		0.49	6.1
Barium		210	B	0.10	3.0
Cadmium		6.1		0.026	1.2
Chromium		87	B	0.44	3.0
Silver		ND		0.27	3.0
Lead		260		0.27	3.0
Selenium		ND		1.6	3.0

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-38229	Instrument ID:	Leeman Labs
Preparation:	7471A	Prep Batch: 360-38137	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	0.24 g
Date Analyzed:	11/03/2008 0912		Final Weight/Volume:	27 mL
Date Prepared:	10/31/2008 1022			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.27		0.038	0.085

Client: Tighe & Bond

Job Number: 360-19612-1

Client Sample ID: PC-1

Lab Sample ID:	360-19612-2	Date Sampled:	10/29/2008 1145
Client Matrix:	Solid	% Moisture: 13.6	Date Received: 10/30/2008 1015

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 360-38227		Instrument ID:	Varian 720 ES ICP
Preparation:	3050B	Prep Batch: 360-38132		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.75 g
Date Analyzed:	11/03/2008 1135			Final Weight/Volume:	100 mL
Date Prepared:	10/31/2008 0843				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		4.1		0.11	1.3
Barium		64	B	0.022	0.66
Cadmium		0.61		0.0057	0.26
Chromium		10	B	0.097	0.66
Silver		ND		0.060	0.66
Lead		170		0.058	0.66
Selenium		ND		0.36	0.66

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 360-38229		Instrument ID:	Leeman Labs
Preparation:	7471A	Prep Batch: 360-38137		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.29 g
Date Analyzed:	11/03/2008 0917			Final Weight/Volume:	27 mL
Date Prepared:	10/31/2008 1022				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.064	J	0.036	0.080

General Chemistry

Client Sample ID: WD-1

Lab Sample ID: 360-19612-1
Client Matrix: Solid

Date Sampled: 10/29/2008 1330
Date Received: 10/30/2008 1015

Analyte	Result	Qual	Units			Dil	Method
Flashpoint	>200		Fahrenheit			1.0	1010
	Anly Batch: 360-38205		Date Analyzed	11/03/2008 1040			DryWt Corrected: N
pH-S	6.77	HF	SU			1.0	9045C
	Anly Batch: 360-38354		Date Analyzed	11/05/2008 1458			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Reactive	ND		mg/Kg	50	50	1.0	9014
	Anly Batch: 360-38151		Date Analyzed	10/31/2008 1200			DryWt Corrected: N
	Prep Batch: 360-38146		Date Prepared:	10/31/2008 0930			
Sulfide, Reactive	ND		mg/Kg	100	100	1.0	9034
	Anly Batch: 360-38152		Date Analyzed	10/31/2008 1202			DryWt Corrected: N
	Prep Batch: 360-38147		Date Prepared:	10/31/2008 0930			
Percent Moisture	2.3		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-38168		Date Analyzed	10/31/2008 1322			
Percent Solids	98		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-38168		Date Analyzed	10/31/2008 1322			

General Chemistry

Client Sample ID: PC-1

Lab Sample ID: 360-19612-2
Client Matrix: Solid

Date Sampled: 10/29/2008 1145
Date Received: 10/30/2008 1015

Analyte	Result	Qual	Units		Dil	Method
Flashpoint	>200		Fahrenheit		1.0	1010
	Anly Batch: 360-38205	Date Analyzed	11/03/2008 1100		DryWt Corrected: N	
pH-S	6.99	HF	SU		1.0	9045C
	Anly Batch: 360-38354	Date Analyzed	11/05/2008 1502		DryWt Corrected: N	

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Reactive	ND		mg/Kg	50	50	1.0	9014
	Anly Batch: 360-38151	Date Analyzed	10/31/2008 1200			DryWt Corrected: N	
	Prep Batch: 360-38146	Date Prepared:	10/31/2008 1000				
Sulfide, Reactive	ND		mg/Kg	100	100	1.0	9034
	Anly Batch: 360-38152	Date Analyzed	10/31/2008 1202			DryWt Corrected: N	
	Prep Batch: 360-38147	Date Prepared:	10/31/2008 1000				
Percent Moisture	14		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-38168	Date Analyzed	10/31/2008 1322				
Percent Solids	86		%	1.0	1.0	1.0	PercentMoisture
	Anly Batch: 360-38168	Date Analyzed	10/31/2008 1322				

DATA REPORTING QUALIFIERS

Client: Tighe & Bond

Job Number: 360-19612-1

Lab Section	Qualifier	Description
GC Semi VOA		
	B	Compound was found in the blank and sample.
	*	RPD of the LCS and LCSD exceeds the control limits
	X	Surrogate exceeds the 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.
Metals		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	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.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes

QUALITY CONTROL RESULTS

Client: Tighe & Bond

Job Number: 360-19612-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 360-38178					
LCS 360-38178/2-A	Lab Control Spike	T	Solid	3540C	
LCSD 360-38178/3-A	Lab Control Spike Duplicate	T	Solid	3540C	
MB 360-38178/1-A	Method Blank	T	Solid	3540C	
360-19612-1	WD-1	T	Solid	3540C	
360-19612-2	PC-1	T	Solid	3540C	
Analysis Batch:360-38196					
LCS 360-38178/2-A	Lab Control Spike	T	Solid	8082	360-38178
LCSD 360-38178/3-A	Lab Control Spike Duplicate	T	Solid	8082	360-38178
MB 360-38178/1-A	Method Blank	T	Solid	8082	360-38178
360-19612-1	WD-1	T	Solid	8082	360-38178
360-19612-2	PC-1	T	Solid	8082	360-38178
Prep Batch: 360-38285					
LCS 360-38285/2-A	Lab Control Spike	T	Solid	3546	
LCSD 360-38285/3-A	Lab Control Spike Duplicate	T	Solid	3546	
MB 360-38285/1-A	Method Blank	T	Solid	3546	
360-19612-1	WD-1	T	Solid	3546	
360-19612-2	PC-1	T	Solid	3546	
Analysis Batch:360-38335					
LCS 360-38285/2-A	Lab Control Spike	T	Solid	CT ETPH	360-38285
LCSD 360-38285/3-A	Lab Control Spike Duplicate	T	Solid	CT ETPH	360-38285
MB 360-38285/1-A	Method Blank	T	Solid	CT ETPH	360-38285
360-19612-1	WD-1	T	Solid	CT ETPH	360-38285
360-19612-2	PC-1	T	Solid	CT ETPH	360-38285

Report Basis
T = Total

Client: Tighe & Bond

Job Number: 360-19612-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-38132					
LCS 360-38132/2-A	Lab Control Spike	T	Solid	3050B	
LCSD 360-38132/3-A	Lab Control Spike Duplicate	T	Solid	3050B	
MB 360-38132/1-A	Method Blank	T	Solid	3050B	
360-19612-1	WD-1	T	Solid	3050B	
360-19612-1DU	Duplicate	T	Solid	3050B	
360-19612-1MS	Matrix Spike	T	Solid	3050B	
360-19612-2	PC-1	T	Solid	3050B	
Prep Batch: 360-38137					
LCS 360-38137/2-A	Lab Control Spike	T	Solid	7471A	
LCSD 360-38137/3-A	Lab Control Spike Duplicate	T	Solid	7471A	
MB 360-38137/1-A	Method Blank	T	Solid	7471A	
360-19612-1	WD-1	T	Solid	7471A	
360-19612-1DU	Duplicate	T	Solid	7471A	
360-19612-1MS	Matrix Spike	T	Solid	7471A	
360-19612-2	PC-1	T	Solid	7471A	
Analysis Batch:360-38227					
LCS 360-38132/2-A	Lab Control Spike	T	Solid	6010B	360-38132
LCSD 360-38132/3-A	Lab Control Spike Duplicate	T	Solid	6010B	360-38132
MB 360-38132/1-A	Method Blank	T	Solid	6010B	360-38132
360-19612-1	WD-1	T	Solid	6010B	360-38132
360-19612-1DU	Duplicate	T	Solid	6010B	360-38132
360-19612-1MS	Matrix Spike	T	Solid	6010B	360-38132
360-19612-2	PC-1	T	Solid	6010B	360-38132
Analysis Batch:360-38229					
LCS 360-38137/2-A	Lab Control Spike	T	Solid	7471A	360-38137
LCSD 360-38137/3-A	Lab Control Spike Duplicate	T	Solid	7471A	360-38137
MB 360-38137/1-A	Method Blank	T	Solid	7471A	360-38137
360-19612-1	WD-1	T	Solid	7471A	360-38137
360-19612-1DU	Duplicate	T	Solid	7471A	360-38137
360-19612-1MS	Matrix Spike	T	Solid	7471A	360-38137
360-19612-2	PC-1	T	Solid	7471A	360-38137

Report Basis
T = Total

Client: Tighe & Bond

Job Number: 360-19612-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 360-38146					
LCS 360-38146/9-A	Lab Control Spike	T	Solid	7.3.3	
MB 360-38146/1-A	Method Blank	T	Solid	7.3.3	
360-19612-1	WD-1	T	Solid	7.3.3	
360-19612-2	PC-1	T	Solid	7.3.3	
360-19612-2DU	Duplicate	T	Solid	7.3.3	
Prep Batch: 360-38147					
LCS 360-38147/9-A	Lab Control Spike	T	Solid	7.3.4	
MB 360-38147/1-A	Method Blank	T	Solid	7.3.4	
360-19612-1	WD-1	T	Solid	7.3.4	
360-19612-2	PC-1	T	Solid	7.3.4	
360-19612-2DU	Duplicate	T	Solid	7.3.4	
Analysis Batch:360-38151					
LCS 360-38146/9-A	Lab Control Spike	T	Solid	9014	360-38146
MB 360-38146/1-A	Method Blank	T	Solid	9014	360-38146
360-19612-1	WD-1	T	Solid	9014	360-38146
360-19612-2	PC-1	T	Solid	9014	360-38146
360-19612-2DU	Duplicate	T	Solid	9014	360-38146
Analysis Batch:360-38152					
LCS 360-38147/9-A	Lab Control Spike	T	Solid	9034	360-38147
MB 360-38147/1-A	Method Blank	T	Solid	9034	360-38147
360-19612-1	WD-1	T	Solid	9034	360-38147
360-19612-2	PC-1	T	Solid	9034	360-38147
360-19612-2DU	Duplicate	T	Solid	9034	360-38147
Analysis Batch:360-38168					
360-19612-1	WD-1	T	Solid	PercentMoisture	
360-19612-1DU	Duplicate	T	Solid	PercentMoisture	
360-19612-2	PC-1	T	Solid	PercentMoisture	
Analysis Batch:360-38205					
LCS 360-38205/2	Lab Control Spike	T	Solid	1010	
MB 360-38205/1	Method Blank	T	Solid	1010	
360-19612-1	WD-1	T	Solid	1010	
360-19612-2	PC-1	T	Solid	1010	
Prep Batch: 360-38352					
LCS 360-38352/1-A	Lab Control Spike	S	Solid	DI Leach	
LCSD 360-38352/2-A	Lab Control Spike Duplicate	S	Solid	DI Leach	
360-19612-1	WD-1	S	Solid	DI Leach	
360-19612-2	PC-1	S	Solid	DI Leach	

Client: Tighe & Bond

Job Number: 360-19612-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-38354					
LCS 360-38352/1-A	Lab Control Spike	S	Solid	9045C	
LCSD 360-38352/2-A	Lab Control Spike Duplicate	S	Solid	9045C	
360-19612-1	WD-1	S	Solid	9045C	
360-19612-2	PC-1	S	Solid	9045C	

Report Basis
S = Soluble
T = Total

Client: Tighe & Bond

Job Number: 360-19612-1

Method Blank - Batch: 360-38178

Method: 8082
Preparation: 3540C

Lab Sample ID: MB 360-38178/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2008 1741
Date Prepared: 10/30/2008 1423

Analysis Batch: 360-38196
Prep Batch: 360-38178
Units: ug/Kg

Instrument ID: 6890 GC w/ dual micro-ECI
Lab File ID: M781.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		25	100
PCB-1221	ND		42	100
PCB-1232	ND		50	100
PCB-1242	ND		43	100
PCB-1248	ND		19	100
PCB-1254	ND		22	100
PCB-1260	ND		19	100
PCB-1262	ND		15	100
PCB-1268	ND		22	100

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	103	30 - 150
Tetrachloro-m-xylene	39	30 - 150

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

Client: Tighe & Bond

Job Number: 360-19612-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-38178

Method: 8082
Preparation: 3540C

LCS Lab Sample ID: LCS 360-38178/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2008 1757
Date Prepared: 10/30/2008 1423

Analysis Batch: 360-38196
Prep Batch: 360-38178
Units: ug/Kg

Instrument ID: 6890 GC w/ dual micro-EC
Lab File ID: M782.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 360-38178/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2008 1814
Date Prepared: 10/30/2008 1423

Analysis Batch: 360-38196
Prep Batch: 360-38178
Units: ug/Kg

Instrument ID: 6890 GC w/ dual micro-E
Lab File ID: M783.D
Initial Weight/Volume: 10 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	53	73	40 - 140	31	30		*
PCB-1260	80	80	40 - 140	0	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	86	79	30 - 150
Tetrachloro-m-xylene	35	59	30 - 150

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

Client: Tighe & Bond

Job Number: 360-19612-1

Method Blank - Batch: 360-38285

Method: CT ETPH
Preparation: 3546

Lab Sample ID: MB 360-38285/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/04/2008 1604
Date Prepared: 11/04/2008 1451

Analysis Batch: 360-38335
Prep Batch: 360-38285
Units: mg/Kg

Instrument ID: HP 5890II GC w/ dual FIDs
Lab File ID: F12355.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	RL	RL
C9-C36	3.6		3.3	3.3

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	75	50 - 150

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-38285

Method: CT ETPH
Preparation: 3546

LCS Lab Sample ID: LCS 360-38285/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/04/2008 1637
Date Prepared: 11/04/2008 1451

Analysis Batch: 360-38335
Prep Batch: 360-38285
Units: mg/Kg

Instrument ID: HP 5890II GC w/ dual FIDs
Lab File ID: F12356.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 360-38285/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/04/2008 1843
Date Prepared: 11/04/2008 1451

Analysis Batch: 360-38335
Prep Batch: 360-38285
Units: mg/Kg

Instrument ID: HP 5890II GC w/ dual FID
Lab File ID: F12360.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
C9-C36	70	72	60 - 120	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	75	77	50 - 150

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

Client: Tighe & Bond

Job Number: 360-19612-1

Method Blank - Batch: 360-38132

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 360-38132/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2008 1106
Date Prepared: 10/31/2008 0843

Analysis Batch: 360-38227
Prep Batch: 360-38132
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 2.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.081	1.0
Barium	0.11	J	0.017	0.50
Cadmium	ND		0.0043	0.20
Chromium	0.10	J	0.073	0.50
Silver	ND		0.045	0.50
Lead	ND		0.044	0.50
Selenium	ND		0.27	0.50

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-38132

Method: 6010B
Preparation: 3050B

LCS Lab Sample ID: LCS 360-38132/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2008 1109
Date Prepared: 10/31/2008 0843

Analysis Batch: 360-38227
Prep Batch: 360-38132
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 2.00 g
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 360-38132/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2008 1112
Date Prepared: 10/31/2008 0843

Analysis Batch: 360-38227
Prep Batch: 360-38132
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 2.00 g
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Arsenic	90	92	80 - 120	2	30		
Barium	92	94	80 - 120	2	30		
Cadmium	89	90	80 - 120	2	30		
Chromium	91	93	80 - 120	2	30		
Silver	94	97	80 - 120	3	30		
Lead	89	90	80 - 120	2	30		
Selenium	90	91	80 - 120	2	30		

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

Client: Tighe & Bond

Job Number: 360-19612-1

Matrix Spike - Batch: 360-38132

Method: 6010B
Preparation: 3050B

Lab Sample ID: 360-19612-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 11/03/2008 1121
Date Prepared: 10/31/2008 0843

Analysis Batch: 360-38227
Prep Batch: 360-38132
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 1.70 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	14	60.2	68.0	89	75 - 125	
Barium	210	60.2	167	-67	75 - 125	F
Cadmium	6.1	60.2	60.9	91	75 - 125	
Chromium	87	60.2	105	29	75 - 125	F
Silver	ND	60.2	63.4	105	75 - 125	
Lead	260	60.2	179	-142	75 - 125	4
Selenium	ND	60.2	56.7	94	75 - 125	

Duplicate - Batch: 360-38132

Method: 6010B
Preparation: 3050B

Lab Sample ID: 360-19612-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 11/03/2008 1118
Date Prepared: 10/31/2008 0843

Analysis Batch: 360-38227
Prep Batch: 360-38132
Units: mg/Kg

Instrument ID: Varian 720 ES ICP
Lab File ID: N/A
Initial Weight/Volume: 1.69 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	14	12.5	12	35	
Barium	210	175	17	35	
Cadmium	6.1	4.90	22	35	
Chromium	87	70.2	22	35	
Silver	ND	0.329	NC	35	J
Lead	260	224	17	35	
Selenium	ND	ND	NC	35	

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

Client: Tighe & Bond

Job Number: 360-19612-1

Method Blank - Batch: 360-38137

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 360-38137/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2008 0906
Date Prepared: 10/31/2008 1022

Analysis Batch: 360-38229
Prep Batch: 360-38137
Units: mg/Kg

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 0.20 g
Final Weight/Volume: 27 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.045	0.10

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-38137

Method: 7471A
Preparation: 7471A

LCS Lab Sample ID: LCS 360-38137/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2008 0908
Date Prepared: 10/31/2008 1022

Analysis Batch: 360-38229
Prep Batch: 360-38137
Units: mg/Kg

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 0.20 g
Final Weight/Volume: 27 mL

LCSD Lab Sample ID: LCSD 360-38137/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2008 0910
Date Prepared: 10/31/2008 1022

Analysis Batch: 360-38229
Prep Batch: 360-38137
Units: mg/Kg

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 0.20 g
Final Weight/Volume: 27 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	96	96	80 - 120	0	30		

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

Client: Tighe & Bond

Job Number: 360-19612-1

Matrix Spike - Batch: 360-38137

Method: 7471A
Preparation: 7471A

Lab Sample ID: 360-19612-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2008 0915
Date Prepared: 10/31/2008 1022

Analysis Batch: 360-38229
Prep Batch: 360-38137
Units: mg/Kg

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 0.24 g
Final Weight/Volume: 27 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.27	0.582	0.773	86	75 - 125	

Duplicate - Batch: 360-38137

Method: 7471A
Preparation: 7471A

Lab Sample ID: 360-19612-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2008 0913
Date Prepared: 10/31/2008 1022

Analysis Batch: 360-38229
Prep Batch: 360-38137
Units: mg/Kg

Instrument ID: Leeman Labs Automated
Lab File ID: N/A
Initial Weight/Volume: 0.24 g
Final Weight/Volume: 27 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.27	0.348	25	35	

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

Client: Tighe & Bond

Job Number: 360-19612-1

Method Blank - Batch: 360-38205

Method: 1010
Preparation: N/A

Lab Sample ID: MB 360-38205/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2008 0845
Date Prepared: N/A

Analysis Batch: 360-38205
Prep Batch: N/A
Units: Fahrenheit

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	NONE	NONE
Flashpoint	>200			

Lab Control Spike - Batch: 360-38205

Method: 1010
Preparation: N/A

Lab Sample ID: LCS 360-38205/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2008 0900
Date Prepared: N/A

Analysis Batch: 360-38205
Prep Batch: N/A
Units: Fahrenheit

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Flashpoint	81.0	81.4	100	97.5 - 102.5	

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

Client: Tighe & Bond

Job Number: 360-19612-1

Method Blank - Batch: 360-38146

Method: 9014
Preparation: 7.3.3

Lab Sample ID: MB 360-38146/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/31/2008 1200
Date Prepared: 10/30/2008 1530

Analysis Batch: 360-38151
Prep Batch: 360-38146
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10 g
Final Weight/Volume: 250 mL

Analyte	Result	Qual	RL	RL
Cyanide, Reactive	ND		50	50

Lab Control Spike - Batch: 360-38146

Method: 9014
Preparation: 7.3.3

Lab Sample ID: LCS 360-38146/9-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/31/2008 1200
Date Prepared: 10/31/2008 1100

Analysis Batch: 360-38151
Prep Batch: 360-38146
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10 g
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Reactive	100	57.5	58	50 - 150	

Duplicate - Batch: 360-38146

Method: 9014
Preparation: 7.3.3

Lab Sample ID: 360-19612-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/31/2008 1200
Date Prepared: 10/31/2008 1030

Analysis Batch: 360-38151
Prep Batch: 360-38146
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10 g
Final Weight/Volume: 250 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cyanide, Reactive	ND	ND	NC	50	

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

Client: Tighe & Bond

Job Number: 360-19612-1

Method Blank - Batch: 360-38147

Method: 9034
Preparation: 7.3.4

Lab Sample ID: MB 360-38147/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/31/2008 1202
Date Prepared: 10/30/2008 1530

Analysis Batch: 360-38152
Prep Batch: 360-38147
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10 g
Final Weight/Volume: 250 mL

Analyte	Result	Qual	RL	RL
Sulfide, Reactive	ND		100	100

Lab Control Spike - Batch: 360-38147

Method: 9034
Preparation: 7.3.4

Lab Sample ID: LCS 360-38147/9-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/31/2008 1202
Date Prepared: 10/30/2008 1130

Analysis Batch: 360-38152
Prep Batch: 360-38147
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10 g
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfide, Reactive	1350	695	52	50 - 150	

Duplicate - Batch: 360-38147

Method: 9034
Preparation: 7.3.4

Lab Sample ID: 360-19612-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/31/2008 1202
Date Prepared: 10/30/2008 1030

Analysis Batch: 360-38152
Prep Batch: 360-38147
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10 g
Final Weight/Volume: 250 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Sulfide, Reactive	ND	ND	NC	50	

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

Client: Tighe & Bond

Job Number: 360-19612-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 360-38354

Method: 9045C
Preparation: N/A

LCS Lab Sample ID:	LCS 360-38352/1-A	Analysis Batch: 360-38354	Instrument ID: No Equipment Assigned
Client Matrix:	Solid	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0	Units: SU	Initial Weight/Volume: 1.0 mL
Date Analyzed:	11/05/2008 1420		Final Weight/Volume: 1.0 mL
Date Prepared:	N/A		
Date Leached:	11/05/2008 1350	Leachate Batch: 360-38352	

LCSD Lab Sample ID:	LCSD 360-38352/2-A	Analysis Batch: 360-38354	Instrument ID: No Equipment Assigned
Client Matrix:	Solid	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0	Units: SU	Initial Weight/Volume: 1.0 mL
Date Analyzed:	11/05/2008 1428		Final Weight/Volume: 1.0 mL
Date Prepared:	N/A		
Date Leached:	11/05/2008 1350	Leachate Batch: 360-38352	

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
pH-S	99	100	90 - 110	0.8	10.0		

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

Client: Tighe & Bond

Job Number: 360-19612-1

Duplicate - Batch: 360-38168

Method: PercentMoisture
Preparation: N/A

Lab Sample ID: 360-19612-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/31/2008 1322
Date Prepared: N/A

Analysis Batch: 360-38168
Prep Batch: N/A
Units: %

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	2.3	2.6	11	20	
Percent Solids	98	97	0	20	

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

CTETPH - MASS DISCRIMINATION CHECK

Job #: **360-19612**
Analyst: **KR**
Date: **11/4/2008 15:29**
Sample Name: **C9-C36 2100 PPM**

Name	Target Response	Response factor	% DIFF (+- 20%)	Mass Discrimination from C9 (<10%)
C9	5422918.146	36152.78764	***-1.4***	
C10	5480790.57	36538.6038	***-0.4***	**-1.1**
C12	5579310.933	37195.40622	***1.4***	**-2.8**
C14	5626772.75	37511.81833	***2.3***	**-3.7**
C16	5683541.895	37890.2793	***3.3***	**-4.7**
C18	5727393.59	38182.62393	***4.1***	**-5.5**
C19	5586332.03	37242.21353	***1.5***	**-3.0**
C20	5129394.614	34195.96409	***-6.8***	**5.6**
C22	5323062.793	35487.08528	***-3.2***	**1.9**
C24	5458321.721	36388.81147	***-0.8***	**-0.7**
C26	5587796.203	37251.97468	***1.6***	**-3.0**
C28	5513814.785	36758.76523	***0.2***	**-1.7**
C30	5722858.807	38152.39205	***4.0***	**-5.4**
C36	5182328.553	34548.85702	***-5.8***	**4.5**
	Average:	36678.39876		

NOTE: Mass Discrimination cannot exceed 50% difference (20% is the target).

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-19612-1

Login Number: 19612
Creator: Tremblay, Kara R
List Number: 1

List Source: TestAmerica Westfield

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	1.2 C
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	
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	
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

005348

•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
MIDDLETOWN, CT
Phone: 800-704-47 Fax:

Client Project #: 12-013622
Site ID & State: E. HAMPTON CT
Reports Sent To: KARL WIKSTRIM
Email: KRWikstrom@tighebond.com Email Rpt: [X]

Job# 360-19612 Quote# PO#

Shaded areas for office use
Invoice same as Report to? [X] NO
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 X RUSH X ASAP
(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 [X] CLP [ ]

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

Sample Type Codes: WW-Wastewater, DW-Drinking Water, SW-Surface Water, GW-Groundwater, LW Lab Water, A-Air, S-Solids, "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 / 4º C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity	RCRA Sulfide	Ignite/Corrosive/Reactive
WD-1	JW	S	10/29/08 13:30		X										X		X		X						X	X
PC-1	JW	S	10/29/08 11:45		X										X		X		X						X	X

Comments:
8260 Canceled Per Karl Wikstrom
Rem 10/30/08

KRW 10/30/08

Sampled by (print): KARL WIKSTRIM
Signature:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Talia Ellis	10/30/08	0910	Jerry Pah	10/30/08	0910
Jerry Pah	10/30/08	1015	Kara Tremblay	10/30/08	1015

Cooler? Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: 1.2 ºC
Preservation / pH checked? Y / N
By: / Date: /

WESTFIELD

Page 2 of 2

White = Lab file Yellow = Report copy Pink = Customer copy

WI-QA-010-REV 4A

TAL-8245-360 (0408)

TIGHE & BOND - MIDDLETOWN, CT
WELL PURGING - FIELD WATER QUALITY MEASUREMENTS FORM

Location:	13 Watrous Street, East Hampton, CT	Static Depth to Water:	13.26 feet
Well Number	MW-1 Date 10/29/2008	Pump Intake at (ft. below MP)	15'
Field Personnel	Karl Wikstrom	Purging Device; (pump type)	Bladder
Measuring Point (MP)	Top of PVC	Purge Volume	2 gallons

Clock Time (24 hr.)	Water Depth below MP (feet)	Pump Dial[1]	Purge Rate ml/min	Temp. °C	Spec. Cond.[2] µS/cm	pH	ORP/ Eh[3] mv	DO mg/L	Turbidity NTU	Comments
10:50	13.38	CPM2	120	13.77	0.186	6.77	57.8	0.8	1141	
10:53	13.27	CPM2	120	13.53	0.191	6.17	165.9	0.46	57.1	
10:56	13.26	CPM2	120	13.59	0.19	6.2	166.1	0.47	83.4	
10:59	13.25	CPM2	120	13.56	0.191	6.23	166.2	0.48	51.8	
11:02	13.27	CPM2	120	13.51	0.19	6.18	167.2	0.53	38.4	
11:05	13.25	CPM2	120	13.48	0.189	6.08	191.8	0.6	64.3	
11:08	13.25	CPM2	120	13.4	0.188	6.05	193.8	0.59	54	
11:11	13.25	CPM2	120	13.4	0.188	6.05	196.2	0.53	57.4	
11:14	13.25	CPM2	120	13.37	0.188	6.05	194.9	0.65	59.3	
11:17	13.25	CPM2	120	13.4	0.188	6.06	195.3	0.62	23.3	
11:20	13.25	CPM2	120	13.4	0.188	6.05	196.3	0.65	7.5	
11:23	13.25	CPM2	120	13.4	0.188	6.04	197.7	0.68	11.7	
11:26	13.25	CPM2	120	13.39	0.189	6.03	197.2	0.61	9.4	
11:29	13.25	CPM2	120	13.38	0.188	6.04	197.4	0.64	3.7	

1. Pump dial setting (for example: hertz, cycles/min.(CPM), etc.)
2. µSiemens per cm (same as µmhos/cm) at 25oC).
3. Oxidation reduction potential (stand in for Eh).