Tighe&Bond

Meriden Brownfields
161 State Street
Meriden, Connecticut

Phase II Environmental Site Assessment

Prepared For:

City of Meriden, Connecticut

December 2012

Tighe&Bond
www.tighebond.com

22-0817
December 19, 2012

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

Re: **Phase II Environmental Site Assessment**
161 State Street
Meriden, Connecticut

Dear Ms. Brennan:

Please find enclosed the Phase II Environmental Site Assessment (ESA) report for the property located at 161 State Street in Meriden, Connecticut.

We appreciate the opportunity to provide our services. If you have any questions or comments, please contact us.

Very truly yours,

TIGHE & BOND, INC.

Amy Vaillancourt
Senior Environmental Scientist

James T. Olsen, LEP
Senior Project Manager, Associate

Section 1 Introduction

Section 2 Objectives

Section 3 Previous Investigations

Section 4 Site Description

4.1 Location 4-1
4.2 Site Operations and History 4-1
4.3 Areas of Concern 4-1

Section 5 Field Investigations

5.1 Soil Sampling and Well Installation 5-1
5.2 Groundwater Monitoring Well Development 5-2
5.3 Groundwater Sampling 5-2

Section 6 Hydrogeology

6.1 Geology 6-1
6.2 Hydrology 6-1

Section 7 Remediation Criteria

7.1 Soil Remediation Criteria 7-1
7.1.1 Direct Exposure Criteria 7-1
7.1.2 Pollutant Mobility Criteria 7-2
7.2 Groundwater Remediation Criteria 7-2
7.2.1 Surface Water Protection Criteria 7-3
7.2.3 Groundwater Volatilization Criteria 7-3

Section 8 Results of Investigation

8. 1 Soil Analytical Results 8-1
8.1.1 VOCs 8-1
8.1.2 PAHs 8-1
8.1.3 Metals 8-1
8.1.4 ETPH 8-2
8.1.5 PCBs 8-2
8.2 Groundwater Analytical Results 8-2
8.2.1 VOCs 8-2
8.2.2 PAHs 8-2
8.2.3 Metals 8-2
8.2.4 ETPH 8-2

Section 9 Quality Assurance / Quality Control

9.1 Duplicate Samples....9-1
9.2 Blank Samples....9-1
9.3 Laboratory Quality Control....9-2
9.4 Data Usability Assessment....9-2

Section 10 Conceptual Site Model

10.1 Description of Site, Environments, and AOCs....10-1
10.2 Nature and Extent of Contamination....10-1
10.2.1 VOCs....10-2
10.2.2 PAHs....10-2
10.2.3 Metals....10-3
10.2.4 ETPH....10-3
10.2.5 PCBs....10-4
10.3 Potential Release Mechanisms....10-4
10.4 Migration Pathways....10-4
10.5 Recognized Environmental Conditions....10-5

Section 11 Summary and Recommendations

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

Appendices

Appendix A Figures
Figure 1 - Site Location Map
Figure 2 - Site Plan
Figure 3 - Groundwater Contour Map
Figure 4 - Soil Exceedances Map
Figure 5 - Groundwater Exceedances Map

Appendix B Tables
Table 1 - Summary of Well Construction & Groundwater Elevation
Table 2 - Summary of Soil Analytical Data
Table 3 - Summary of Groundwater Analytical Data
Table 4 - Data Usability Analysis
Table 5 - Conceptual Site Model

Appendix C Soil Boring and Groundwater Monitoring Well Completion Logs

Appendix D Low Flow Data Sheets

Appendix E Laboratory Reports

Section 1
Introduction

Tighe & Bond has prepared this Phase II Environmental Site Assessment (Phase II ESA) report for the property at 161 State Street in Meriden, Connecticut (herein referred to as the "site"). The Phase II was conducted for the City of Meriden (City) and was funded through an EPA Brownfields Assessment Grant.

The site exists as a paved parking lot owned by the Meriden Housing Authority. The site was utilized for industrial purposes from the late 1800 until the 1950s. Since 1960 the site has been used as a parking lot for the adjacent Mills Memorial Housing Complex.

This Phase II ESA was conducted in general accordance with the CTDEP Site Characterization Guidance Document (SCGD), dated September 2007, revised December 2010.

Section 2
Objectives

Tighe & Bond previously completed a Phase I Environmental Site Assessment (Phase I ESA) for the site in April 2012 for the City. The Phase I identified Recognized Environmental Conditions (RECs) or Areas of Concern (AOCs) associated with the site. This Phase II ESA was requested by the City in an effort to evaluate the environmental condition of the site in support of potential redevelopment.

The objective of this Phase II ESA is to determine if releases of Constituents of Concern (COCs) have occurred to the environment at the AOCs identified in the Phase I ESA. Additionally, the Phase II ESA data were evaluated to determine if further investigation and remediation is required.

Section 3
Previous Investigations

A summary of the Phase I ESA completed for the site by Tighe & Bond in April 2012 is provided below. No other previous investigations are known to exist for the site.

The site is currently owned by the Meriden Housing Authority and exists as a parking lot for the adjacent Mills Memorial Housing Complex. The site was utilized for industrial purposes from the late 1800 until the 1950s. Former uses include manufacturing of stamps and punches, metal working and welding, painting, carriage manufacturing and repair, and manufacturing of sashes, doors, and blinds. Gasoline was formerly stored at the site to power engines used in manufacturing processes. Since 1960 the site has been used as a parking lot.

The area surrounding the site was historically developed for commercial and industrial purposes with scattered residential uses. Heavy industrial usage of the property to the south of the site along State and Mill Streets occurred from the late 1800s until the 1950s. This property currently consists of vacant land. The remaining properties surrounding the site currently consist primarily of residential and commercial land uses with scattered industrial uses to the north and east.

A summary of the AOCs that were investigated during this Phase II ESA is provided in Section 4.

Section 4
Site Description

4.1 Location

The site consists of 1.2 acres of land at the intersection of State and Mill Streets. The site location is depicted on Figure 1 (Appendix A). The site is located in close proximity to the downtown and Meriden Railroad Station. The area surrounding the site consists of mixed uses including residential and commercial properties. According to the City of Meriden's Assessor's information, the site is currently zoned as R-4 which is described as multiple family or professional office use.

4.2 Site Operations and History

Current Use: The site is a paved parking lot. The current aerial photograph of the site is included as Figure 2.

Previous Uses: The site was occupied by A.H. Merriman Machine Shop (manufactures of punches and stamps) from the late 1800s to the 1950s. The site was also occupied by a sash, door, and blind factory from the late 1800s to the early 1900s and later converted to iron works and welding operations (circa 1950s). The site has been used as a parking lot since the 1960s.

4.3 Areas of Concern

The following AOCs were identified by Tighe & Bond in association with the site by during the April 2012 Phase I ESA:

REC-1 Historic Site Use

- Potential impacts to on-site soil and groundwater from historic manufacturing activities including use and storage of gasoline. COCs include extractable petroleum hydrocarbons (ETPH), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and metals.

REC-2 Fill Material

- Potential for fill material to have been placed on-site during redevelopment activities in the 1950s including building demolition debris from former on-site structures. COCs associated with building materials include asbestos, lead, polychlorinated biphenyls (PCBs).

Off Site Concerns

- Potential impacts from off-site releases (primarily petroleum) on properties considered to be hydrogeologically up gradient of the site including:
  - J.B. Coggins Manufacturing Company at 5 Cross Street
  - Getty Petroleum at 213 Colony Street
  - Silversmith Square at 134 State Street
  - Malerba Service Station at 155 Colony Street
  - Edward S. Mull Company at 190 Colony Street

- G.R. Cummings Company at 198 State Street
- Parkside Limited Partnership on Park Street
- W.A. Kelsey Company at 30 Cross Street
- YWCA at 169 Colony Street
- Colony Auto Service at 186 Colony Street

COCs associated with petroleum releases include ETPH, VOCs, PAHs, and metals

Section 5
Field Investigations

5.1 Soil Sampling and Well Installation

On September 20, 2012, Soil Exploration Corporation of Leominster, Massachusetts advanced soil borings under the supervision of Tighe & Bond. Ten soil borings (B-1 through B-10) were advanced by direct-push (Geoprobe 6610) drilling equipment to depths of 11 to 15 feet bg.

The soil borings from this investigation were advanced at the AOCs previously described. The following is a description of the rationale for boring placement.

- Machine shop – two soil borings (B-1 and B-2) were placed in the area of the former machine shop (northern corner of the site) where stamps and punches were historically manufactured.
- Northern gasoline storage area – one soil boring B-3 was placed in the former gasoline storage area on the north side of the site.
- Former shed – one soil boring (B-4) was placed in the area of the former shed on the northeast side of the site.
- Southern gasoline storage area – one soil boring B-7 was placed in the former gasoline storage area on the south side of the site.
- Former iron works and welding building – two soil borings B-8 and B-9 were placed in the area of the former iron works and welding building on the south side of the site.
- Former junk storage building – one soil boring B-10 was placed in the area of the former junk storage building on the south side of the site.

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 a Photoionization Detector (PID) as well as visual and olfactory methods for the presence or absence of contamination
3) Select soil samples were collected by Tighe & Bond for laboratory analysis of ETPH, VOCs, PAHs, Reasonable Confidence Protocol (RCP) metals, and PCBs by TestAmerica of Westfield, Massachusetts (a Connecticut-certified analytical laboratory).

Based upon the above three-step approach, samples were collected from soil borings with a bias towards samples exhibiting evidence of environmental impact (e.g. staining, odors, and/or high PID reading). This collection and screening procedure continued until the soil boring was completed. Following completion of each soil boring, and related soil sample collection activities, the resulting boreholes were backfilled with the drill cuttings. Samples collected for laboratory analysis were transferred directly to the appropriate sample containers. Following collection, the samples were immediately stored in a cooler

on ice and immediate delivered from the site to TestAmerica in Westfield, Massachusetts (a Connecticut-certified analytical laboratory) via courier.

During advancement of soil borings, fill material consisting of sand, with asphalt, brick, and concrete fragments was observed throughout the site at depths of 2 to 6 feet below grade (bg). Evidence of minor black/grey staining was observed in soil borings B-4 (5-7'), B-7 (at 7'), B-8 (5-6'), and B-10 (at 5'). No odors, petroleum or otherwise, were noted in association with the stained soils. PID readings for the majority of soil samples ranged from 1.5 to 75 parts per million (ppm) for total volatile organic compounds. Samples screened from soil boring B-9 had the highest PID measurements ranging from 200 to 4000 ppm. No obvious signs of contamination (i.e. staining or odors) were observed in soils collected from this boring. Due to the elevated PID measurements recorded for soils collected from this boring and lack of odors or visual evidence of a release, the PID was recalibrated and soil samples were re-measured. The second round of measurements was similar to the first. In general, soil samples exhibiting evidence of staining, fill material, and/or those with the highest PID measurements were selected for laboratory analysis of COCs.

Soil samples for laboratory analysis were generally collected from 2 to 8 feet bg. Since no suspect asbestos containing building materials (i.e. roofing, wood, plaster, etc.) was observed during advancement of soil borings, no samples were collected for analysis of asbestos.

Three temporary groundwater monitoring wells (MW-1, MW-2, and MW-3) were installed in soil borings B-1, B-7, and B-10, respectively. Temporary groundwater monitoring wells were utilized as part of this investigation since the property is not owned by the City. The monitoring wells consisted of 2-inch diameter 10-slot PVC and were installed at a depth of 11 to 15 feet bg. Depth to groundwater at the site was observed to be 5 to 10 feet bg. The wells were removed and backfilled following completion of the investigation.

Soil boring and monitoring well locations are depicted on Figure 2. Soil boring and groundwater monitoring well completion logs are provided in Appendix C.

5.2 Groundwater Monitoring Well Development

The newly installed groundwater monitoring wells were installed, developed, and sampled by Tighe & Bond on September 20, 2012. Each well was developed to remove fines using a surge block/check valve and a whale pump. Approximately three gallons of groundwater was purged from each well. Purged groundwater was placed in a 55-gallon drum and stored in the fenced in enclosure on the adjacent Mills Memorial property as directed by the City and property owner.

5.3 Groundwater Sampling

Groundwater samples were collected in general accordance with USEPA Region 1 Low Stress (low flow) Sampling Procedures dated July 1996. Sampling was performed using a peristaltic pump with dedicated polyethylene tubing. Tighe & Bond obtained approval from Steve DiMattei, QA Chemist for EPA and David Ringquist of the Connecticut Department of Energy and Environmental Protection (CTDEEP) to use a peristaltic pump instead of a bladder pump for groundwater sampling at the site. The pump intake or

tubing depth was selected to coincide with the center-of-saturated-screen elevations. Field data sheets for the groundwater sampling are provided in Appendix D.

Following development, the wells were allowed to sit for approximately 4 hours before they were again purged and sampled using a peristaltic pump. The purged volumes ranged from 2 to 3 gallons per well. Field-measured water quality parameters were measured at five-minute intervals along with purging rate and depth-to-water. The field-measured parameters include dissolved oxygen, specific conductance, temperature, pH, turbidity, and oxidation/reduction potential. Due to the turbid nature of the groundwater, stabilization of all field parameters was not achieved. Samples from MW-2 and MW-3 were observed to be silty and have a high turbidity therefore as a precautionary measure the samples collected for RCP metals analysis (from all three wells) were filtered by the laboratory.

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) via courier for analysis of VOCs, PAHs, ETPH, and RCP metals.

Depth to groundwater in each of the wells was measured at the time of the field investigation and ranged from 5 to 10 feet bg. An elevation survey of the well locations was conducted on October 16, 2012. Based on data collected, groundwater flow is to the east/southeast toward Harbor Brook. A groundwater contour map is provided as Figure 3.

Section 6
Hydrogeology

6.1 Geology

According to the Natural Resources Conservation Service (NRCS) Web Soil Survey (WSS) data for the State of Connecticut (NRCS Webpage, 2009), the site is identified as containing Urban land soils. Urban land soils is defined by NRCS as land mostly covered by streets, parking lots, buildings, and other structures of urban areas.

According to the *Surficial Materials Map of Connecticut* (United States Geological Survey/Department of Environmental Protection, Connecticut Geological and Natural History Survey, 1992), and CTDEEP Geographic Information Systems (GIS) surficial materials data, soils beneath the site are classified as sand overlying fines where sand is of variable thickness, commonly in inclined forset beds and overlies thinly bedded fines of variable thickness (distal deltaic deposits overlying lake-bottom sediment).

These descriptions are consistent with observations made during the conduct of this investigation. In addition, fill material, consisting of primarily sand with some asphalt, concrete, and brick, is found throughout the site to depths of 5-6 feet below grade (bg). The brick and concrete are likely remnants of the former on-site buildings that were demolished sometime between 1953 and 1960.

According to the *Bedrock Geologic Map of Connecticut* (U.S. Geological Survey, 1985), and CTDEEP Geology GIS data, the site is located within the New Haven Arkose formation. Specifically, the site is underlain by a reddish, poorly sorted arkose. Bedrock was not encountered during this investigation.

6.2 Hydrology

According to the 1984 USGS Meriden Quadrangle Topographic Map, the elevation of the site is approximately 120 to 130 feet above sea level. The contours found on the topographic map indicate the elevation slopes in a south-southwesterly direction.

Groundwater was encountered between 5 to 9 feet below grade. Based on field measurements at the site, groundwater flow is to the east toward Harbor Brook. A groundwater contour map is provided as Figure 3. The groundwater elevation data are included in Table 1 (Appendix B).

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

Harbor Brook runs through an underground culvert beneath the property adjacent to the east side of the site (within 200 feet of the site boundary). Harbor Brook is classified as a class B stream flowing south towards the Quinnipiac River. According to the CTDEEP, a class B stream is used for recreational use, fish and wildlife habitat, agricultural and industrial supply and other legitimate uses including navigation.

Section 7
Remediation Criteria

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

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

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

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

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

7.1 Soil Remediation Criteria

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

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

7.1.1 Direct Exposure Criteria

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

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

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

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

7.1.2 Pollutant Mobility Criteria

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

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

7.2 Groundwater Remediation Criteria

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

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

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

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

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

7.2.1 Surface Water Protection Criteria

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

7.2.3 Groundwater Volatilization Criteria

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

Section 8
Results of Investigation

8. 1 Soil Analytical Results

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

- RES DEC
- I/C DEC
- GB PMC

Laboratory reports are provided as Appendix E. Locations of soil samples found to exceed RSR criteria are depicted in Figure 4.

8.1.1 VOCs

Soil samples were collected from seven of the soil borings and analyzed for VOCs via EPA Method 8260C. The following VOCs were detected in one soil boring sample (B-8):

- 2-Butanone (MEK), 0.073 µg/Kg
- Methylene Chloride, 0.016 µg/Kg

These concentrations are below RSR criteria applicable to the site. None of the other samples were found to contain VOCs above laboratory detection limits.

8.1.2 PAHs

Soil samples were collected from eight of the soil borings and analyzed for PAHs via EPA Method 8270D. PAHs were detected in six of the soil boring samples:

With the exception of sample B-7, none of the soil samples were found to contain concentrations of PAHs exceeding RSR criteria applicable to the site. The following PAHs were detected at a concentration above the GB PMC and RES DEC in sample B-7 (2-4'):

- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene

The concentration of benzo(a)pyrene in sample this sample also exceeded the I/C DEC. No other PAHs were identified in soil sample B-7 at concentrations above laboratory detection limits.

8.1.3 Metals

Soil samples were collected from eight of the soil borings and analyzed for RCP metals (Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc, and Mercury) via EPA Method 6010.

None of the samples were found to contain concentrations of these metals above the RES DEC or I/C DEC. Due to the relatively low mass analysis concentrations, metals analysis via SPLP was not conducted as part of this investigation.

8.1.4 ETPH

Soil samples were collected from eight of the soil borings and analyzed for ETPH via the Connecticut Department of Public Health (CTDPH) approved method. With the exception of B-7, ETPH concentrations ranged from 18 to 150 mg/Kg. Sample B-7 was reported with an ETPH concentration of 1,500 mg/Kg. There is no approved RSR criteria for ETPH. Previously CTDEEP has utilized 500 mg/Kg as the RES DEC and 2,500 mg/Kg for the I/C and GB PMC, however, current RSR regulations require CTDEEP approval for use of these standards.

8.1.5 PCBs

Soil samples were collected from three of the borings and analyzed for PCBs via EPA Method 8082A. All samples were below laboratory detection limits for PCBs and below the applicable criteria.

8.2 Groundwater Analytical Results

Three groundwater samples, MW-1, MW-2, and MW-3, were collected during this investigation. Groundwater analytical results are summarized in Table 3 with comparison to the following cleanup criteria:

- SWPC
- RES GWVC
- I/C GWVC

8.2.1 VOCs

Three monitoring wells were sampled for VOCs. No VOCs were detected in the samples at concentrations above laboratory detection limits.

8.2.2 PAHs

Three monitoring wells were sampled for PAHs. Phenanthrene was the only SVOC detected. This compound was only detected in sample MW-2 at a concentration of 0.23 µg/L which is above the SWPC of 0.077 µg/L.

8.2.3 RCP Metals

Three monitoring wells were sampled for RCP metals. With the exception of arsenic detected in MW-1, monitoring well samples were below applicable criteria for RCP metals. Arsenic was detected in MW-1 at a concentration of 9.6 µg/L which exceeds the SWPC of 4 µg/L.

8.2.4 ETPH

Three monitoring wells were sampled for ETPH. ETPH was detected in all three samples at concentrations ranging from 0.22 to 0.42 mg/L.

Currently there is no established CTDEEP criteria for ETPH in GB classified groundwater.

Section 9
Quality Assurance / Quality Control

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

9.1 Duplicate Samples

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

One duplicate sample was collected during the soil investigation at the site. B-6 (Dup) is the duplicate sample for B-6 (4-6'). B-6 Dup was analyzed for PAHs, ETPH, and RCP metals. A B-6 Dup soil sample was also provided to the laboratory for analysis of VOCs however, this sample was misplaced by the laboratory and never analyzed.

The relative percent difference (RPD) between SVOC sample results for B-6 and B-6 Dup ranged from 42 to 200 percent for several PAHs. This discrepancy may be related to the distribution of asphalt fragments between the two samples. ETPH results reported for the two samples displayed an RPD of 75 percent which may also be attributed to asphalt fragment distribution. Results for several metals including copper, lead, selenium, zinc, and mercury reported for the two samples had a RPD ranging from 51 to 136 percent. This may be due to varying amounts of sand and silt in each sample even though attempts were made to provide an exact duplicate. All other parameters were within 50 percent of the original sample.

One duplicate sample was collected during the groundwater sampling event at the site. MW-2 Dup is the duplicate for original sample MW-2. The RPD between MW-2 and MW-2 Dup for VOC and SVOC sample results was 0 percent. ETPH results reported for the two samples displayed an RPD of 40 percent. This discrepancy may be related to varying amounts of silt in the samples. Groundwater samples were observed to be silty at the time of sampling. Results for several metals including copper, lead, vanadium, and zinc results reported for the two samples had an RPD ranging from 54 to 148 percent. This discrepancy may be also be attributed to the silt content of the samples and/or laboratory filtering processes.

9.2 Blank Samples

Trip blank sample were used for site activities during VOC sampling activities. The purpose of analyzing this control sample was to determine if potential cross-contamination occurred as a result of improper sample container cleaning, contaminated blank source water, sample contamination during storage and transportation, and other environmental conditions during the sampling event. The trip blank samples consisted of a container of laboratory-supplied reagent-grade water that was kept with the field groundwater sample containers from the time they left the laboratory until the time they were returned to the laboratory. One trip blank sample was supplied for each day of VOC sampling for soil and groundwater.

No VOCs were reported in the trip blank. Accordingly, no VOC cross-contamination likely occurred during the groundwater sampling events. Since a peristaltic pump with dedicated ethylene tubing was used for groundwater sampling, no equipment blank was collected.

9.3 Laboratory Quality Control

An analysis of the laboratory results, detected compounds, and collected samples affected by these quality control deficiencies was performed. According to the laboratory results, MEK was detected in the laboratory control sample and methylene chloride was detected in the laboratory's method blank sample. Additionally there were some issues with regard to surrogate recovery. Based on this analysis, the deficiencies identified do not affect the usability of the laboratory data. In those areas where COCs were involved, the data quality is only slightly affected by these deficiencies and is sufficient to satisfy the DQOs for the project. The non-conformances are summarized in Table 4. The case narratives are included in Appendix E.

9.4 Data Usability Assessment

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

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

Multiple soil and groundwater 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. Therefore, the DQOs of identifying the COCs exceeding RSR criteria were met. The data derived from this ESA is usable and adequate for the project DQOs. The non-conformances are summarized in Table 4.

Section 10
Conceptual Site Model

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

The CSM includes the following:

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

The CSM is summarized in Table 5.

10.1 Description of Site, Environments, and AOCs

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

10.2 Nature and Extent of Contamination

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

The COCs confirmed in the soil at the site include: ETPH and PAHs Detections of these COCs were found in soils ranging in depth from 2 to 8 feet below grade. Although MEK and methylene chloride were identified in one soil sample, these compounds have not been confirmed COCs for the site. Both MEK and methylene chloride were detected in laboratory quality control samples and therefore may represent laboratory contaminants and not COCs for the site. Furthermore, metals concentrations in soils at the site appear to be somewhat consistent with naturally occurring concentrations. However, slightly elevated concentrations of lead, copper, and zinc were identified in three of the soil samples. Fill material observed throughout the site may be contributing to some of these slightly elevated metals concentrations. Metals are a COC for the site however concentrations detected were below RSR criteria applicable to the site.

The COCs confirmed in the groundwater at the site include ETPH and phenanthrene. Although arsenic was detected in one groundwater sample at a concentration exceeding the SWPC, groundwater samples were observed to be silty at the time of collection and

despite laboratory filtration silt content may have contributed to the arsenic concentrations of this sample. Arsenic concentrations in soil samples and other groundwater samples were not elevated and therefore, arsenic has not been a confirmed COC for the site. Groundwater at the site is within the overburden at approximately 5-9 feet below ground surface.

A more detailed description of confirmed and potential COCs for the site is provided below.

10.2.1 VOCs

VOCs in Soil

Methylene chloride and MEK were the only VOCs detected in soil samples analyzed during this investigation. These compounds were reported at low concentrations in soil sample B-8 (6-8') only. Both of these compounds are known to be common laboratory contaminants and were detected in laboratory quality control samples. Therefore, these compounds may not be representative of a release of these compounds to soils at the site. However, B-8 was advanced in the location of the former Iron Works and Welding Building on the southeast side of the site which may have utilized MEK and/or methylene chloride as solvents in association with iron working operations. Based on the low concentrations detected and the lack of these compounds in remaining soil samples it does not appear that the detection of MEK or methylene chloride represent a significant release area for the site.

VOCs in Groundwater

VOCs were not detected in any of the groundwater samples analyzed as part of this investigation.

10.2.2 PAHs

PAHs in Soil

Several PAHs were detected in the majority of soil samples collected during this investigation. PAHs are typically found in association with petroleum products. The potential source of these PAHs is the fill material and petroleum-based asphalt fragments observed in the fill material underlying the site from 2 to 8 feet bg. PAHs including benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene were reported in one sample (B-7 at 2 to 4 feet bg.) at concentrations slightly above of the RES DEC and GB PMC of 1 mg/Kg. The concentration of benzo(a)pyrene in this soil sample also exceeded the I/C DEC of 1 mg/Kg. None of the other soil samples were found to contain PAHs at concentrations exceeding RSR criteria applicable to the site.

Soil boring B-7 was advanced in the former gasoline storage area on the south side of the site. Detections of slightly elevated PAHs in soil sample B-7 do not appear to represent a release of gasoline since no VOCs were detected in this sample.

PAHs in Groundwater

The only SVOC detected in groundwater was phenanthrene which was detected in one monitoring well (MW-2). The concentration detected (0.23 µg/L) exceeded the SWPC of 0.077 µg/L. The source of phenanthrene may be attributed to asphalt fragments in the fill material underlying the site. The detection of phenanthrene in MW-2 does not appear indicative of a significant release since this compound was not detected in other

groundwater samples and no significant concentrations of phenanthrene were detected in site soils.

10.2.3 Metals

Metals in Soil

Various metals that are naturally occurring were found in soils at varying concentrations. None of the metals concentrations detected were found to exceed RSR criteria applicable to the site. Based on the relatively low concentrations of detected and the lack of evidence of a significant release at the site, these, metals may be representative of naturally occurring conditions. Slightly elevated concentrations of lead, copper, and zinc were identified in a few of the samples. Fill material underlying the site may be contributing to the concentrations of these metals.

Metals in Groundwater

Various metals that are naturally occurring were found in groundwater at varying concentrations**.** With the exception of arsenic detected in sample MW-1, none of these concentrations were found to exceed RSR criteria applicable to the site. Based on the relatively low concentrations detected and the lack of evidence of a significant release at the site, these, metals may be representative of naturally occurring conditions. These metals may also be associated with the fill material underlying the site and may be contributing to concentrations detected in groundwater.

The detection of arsenic in MW-1 at a concentration of 9.6 µg/L exceeds the SWPC of 4 µg/L. This elevated concentration may be attributed to silt content of the sample although it was filtered by the laboratory. The elevated arsenic concentrations in groundwater may also be naturally occurring since similar concentrations have been documented throughout New England in several published studies, including *"Elemental Concentrations in Soils and Other Surficial Materials of the Conterminous United States",* United States Geological Survey Professional Paper 1270, (1984) and *"Arsenic in Groundwater in Eastern New England"*, Environmental Science & Technology, 2003, Volume 37, pp 2075-2083

10.2.4 ETPH

ETPH in Soil

ETPH was detected in all soil boring samples. With the exception of soil sample B-7, ETPH concentrations ranged from 18 to 150 mg/Kg. The source of these low ETPH concentrations may be attributed to the asphalt fragments observed in the fill material underlying the site. Sample B-7 was reported with an ETPH concentration of 1,500 mg/Kg. Currently there is no approved RSR criteria for ETPH. However, previously CTDEEP has utilized 500 mg/Kg as the RES DEC and 2,500 mg/Kg for the I/C and GB PMC. The source of this elevated ETPH concentration may be related to the fill material or a historical release of gasoline (formerly stored in this area).

ETPH in Groundwater

ETPH was detected in all monitoring well samples at concentrations ranging from 0.22 to 0.42 mg/L. Currently there is no RSR criteria established for ETPH in groundwater. The source of these low ETPH concentrations may be attributed to the asphalt fragments observed in the fill material underlying the site. Another potential source could be minor historical releases of gasoline at the site. However, since no VOCs typically found with

gasoline releases were identified in soil or groundwater samples analyzed as part of this investigation. Other potential sources for ETPH in groundwater could be historical petroleum releases upgradient of the site that have impacted groundwater migrating beneath the site.

10.2.5 PCBs

PCBs were not detected in any of the soil samples submitted for analysis of this parameter.

10.3 Potential Release Mechanisms

The potential release mechanism at each REC is identified in Table 5. A summary of the potential release mechanisms for each COC at the site are as follows:

Metals - spills from former manufacturing activities, deposition of fill materials, or naturally occurring in site soils

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

VOCs - spills from former manufacturing activities

ETPH - spills from former manufacturing activities, deposition of fill materials, release from gasoline storage, off-site sources

10.4 Migration Pathways

Potential migration pathways for each REC are identified in Table 5. The migration pathway or transport mechanisms fall into three general types depending upon the pathway. Various potential exposure pathways were evaluated to determine if possible risks to public health or the environment exists from the on-site contamination. The evaluation is based on the location and depth of contaminants identified at the site

Soil Migration Pathway

The site exists as a paved parking lot. Impacts to site soils were identified at depths of 2 to 8 feet bg. Based on this information there is no potential for migration of contaminated soils or exposure through direct contact. Since the site is paved, there is minimal infiltration of precipitation which reduces the opportunity for leaching of soil contaminants into the groundwater.

Groundwater Migration Pathway

Groundwater beneath the site is approximately 5 to 9 feet bg. The area surrounding the site is provided potable water via the municipal water distribution system. No known uses of groundwater for drinking or otherwise are known to exist in the area surrounding the site. Based on current conditions, the potential for contact with groundwater at the site or surrounding area through direct contact or ingestion is improbable.

Surface Water Migration Pathway

Harbor Brook runs through the property adjacent to the east side of the site (within 200 feet of the site boundary). Harbor Brook is classified as a class B stream flowing south towards the Quinnipiac River. According to the CTDEEP, a class B stream is used for recreational use, fish and wildlife habitat, agricultural and industrial supply and other legitimate uses including navigation. Based on its close proximity to the site, there is potential for impacted groundwater to be migrating from the site to Harbor Brook. This

surface water body is currently channeled through an underground culvert in the area of the site. This minimizes the potential for direct contact with the surface water.

Air Migration Pathway

Since the site is paved, there is minimal opportunity for air induced migration of soil or groundwater contamination. Furthermore, no significant concentrations of VOCs were identified in soils or groundwater at the site therefore alleviating the risk of vapor intrusion issues.

10.5 Recognized Environmental Conditions

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

REC-1 Historic Site Use

Low levels of methylene chloride and MEK were reported in one soil sample B-8 which was advanced in the location of the former Iron Works and Welding Building on the southeast side of the site. MEK and/or methylene chloride may have been used as solvents in association with iron working operations. However, it is likely that the low detections of these compounds may be a result of cross contamination at the laboratory since they were detected in laboratory quality control samples. Based on the low concentrations detected and the lack of these compounds in remaining soil samples and groundwater samples, it does not appear that the detection of MEK or methylene chloride represent a significant release area for the site.

PAHs including benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene were reported in one sample (B-7) at concentrations slightly above of the RES DEC and GB PMC of 1 mg/Kg. The concentration of benzo(a)pyrene in this soil sample also exceeded the I/C DEC of 1 mg/Kg. This sample was collected in the area of the former gasoline storage area on the south side of the site. ETPH was also detected in this sample at a concentration of 1,500 mg/Kg. Currently there is no approved RSR criteria for ETPH. However, previously CTDEEP has utilized 500 mg/Kg as the RES DEC and 2,500 mg/Kg for the I/C and GB PMC. The source of elevated SVOC and ETPH concentrations in this sample may be related to a historical release of gasoline or more likely related to the fill material underlying the site since no VOCs were detected in soil or groundwater from this location.

No significant releases to site soils or groundwater from historic manufacturing operations or gasoline storage were identified at the site.

REC-2 Fill Material

Fill material consisting of red brown sand with asphalt, brick, and concrete fragments was observed throughout the site at depths of 2 to 8 feet bg. It is unknown if the asphalt, brick, and concrete fragments originated from former on-site development (parking lots and buildings). No evidence of building materials such as roofing, plaster, or other materials were observed in the fill material and therefore, no samples of fill material were submitted for analysis of asbestos.

Several PAHs were detected in the majority of soil samples collected during this investigation. The potential source of these PAHs is likely the petroleum-based asphalt fragments observed in the fill material. PAHs including benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene were reported in one sample (B-7 at 2 to 4

feet bg.) at concentrations slightly above of the RES DEC and GB PMC of 1 mg/Kg. The concentration of benzo(a)pyrene in this soil sample also exceeded the I/C DEC of 1 mg/Kg. None of the other soil samples were found to contain PAHs at concentrations exceeding RSR criteria applicable to the site.

The SVOC phenanthrene was detected in one monitoring well (MW-2). The concentration detected (0.23 µg/L) exceeded the SWPC of 0.077 µg/L. The source of phenanthrene may be attributed to asphalt fragments in the fill material underlying the site. The detection of phenanthrene in MW-2 does not appear indicative of a significant release since this compound was not detected in other groundwater samples and no significant concentrations of phenanthrene were detected in site soils.

With the exception of arsenic concentrations detected in the groundwater sample collected from MW-1, metals concentrations in soils and groundwater were not found to exceed RSR criteria applicable to the site. Based on the relatively low concentrations of metals detected and the lack of evidence of a significant release at the site, these, metals may be representative of naturally occurring conditions. Slightly elevated concentrations of lead, copper, and zinc were identified in a few of the samples. Fill material underlying the site may be contributing to the concentrations of these metals.

The detection of arsenic in MW-1 at a concentration of 9.6 µg/L exceeds the SWPC of 4 µg/L. This elevated concentration may be attributed to silt content of the sample although it was filtered by the laboratory. The elevated arsenic concentrations in groundwater may also be naturally occurring since similar concentrations have been documented throughout New England in several published studies, including *"Elemental Concentrations in Soils and Other Surficial Materials of the Conterminous United States"*, United States Geological Survey Professional Paper 1270, (1984) and *"Arsenic in Groundwater in Eastern New England"*, Environmental Science & Technology, 2003, Volume 37, pp 2075-2083

Off Site Concerns

Potential impacts from off-site releases (primarily petroleum) on properties considered to be hydrogeologically up gradient were identified as a potential concern for the site. These releases may have impacted groundwater in the area of the site. Groundwater in the area of the site has been classified as GB by the CTDEEP. The GB classification indicates known degraded conditions.

Detections of ETPH and phenanthrene in groundwater beneath the site could be associated with impacts migrating from these off-site releases. Since ETPH and phenanthrene were detected in site soils it does not appear as though off-site releases are the sole source of these contaminants in groundwater but may be a contributing factor.

Section 11
Summary and Recommendations

11.1 Summary

Tighe & Bond completed a Phase II ESA at 161 State Street, Meriden, Connecticut. The purpose of this investigation was to investigate AOCs identified in the Phase I ESA to determine if a release of COCs has occurred to the environment. Results of the Phase II ESA indicate the following:

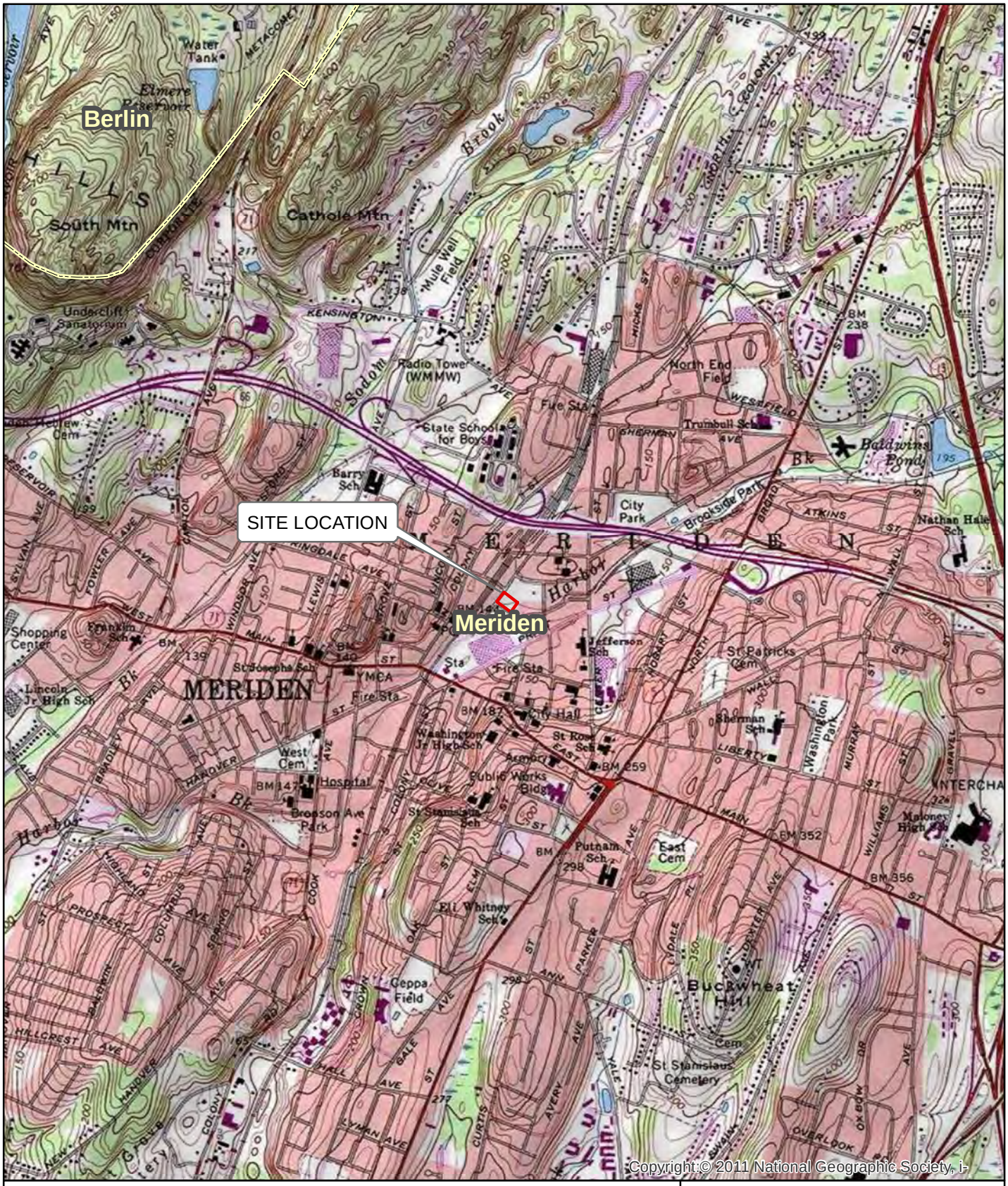
- Significant releases of COCs to the environment as a result of former manufacturing operations or gasoline storage **(REC-1)** at the site were not identified during this investigation. However, exceedances of CTDEEP RSR criteria were identified for ETPH and PAHs in one soil sample (B-7), for arsenic in one groundwater sample (MW-1), and phenanthrene in another groundwater samples (MW-2). ETPH and PAH concentrations in soils and groundwater are likely associated with fill material underlying the site. Arsenic concentrations are likely due to silt content of samples and/or naturally occurring concentrations documented throughout New England.
- Fill material **(REC-2)** underlying the site from 2 to 8 feet bg appears to contain varying concentrations of COCs including PAHs, ETPH, and metals. No significantly elevated concentrations of these COCs were identified in soil or groundwater samples collected and analyzed during this investigation.

11.2 Recommendations

It is our understanding that the site is slated for potential redevelopment activities by the City. Based on the findings of this investigation Tighe & Bond recommends that during development activities additional evaluations of fill material be conducted to determine potential soil management requirements and/or disposal options of any soils are slated for off-site disposal.

Tighe&Bond

APPENDIX A



LOCUS MAP

LEGEND

Site Location

Municipal Boundary

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

Based on USGS Topographic Map for Middletown, CT, Rev. 1992, 1:24,000

Map Date: November 2012

1 inch = 2,000 feet

0 1,000 2,000 Feet

N

FIGURE 1
SITE LOCATION MAP

161 State Street
Meriden, Connecticut

November 2012

Tighe&Bond

Y:\Site_Locus_Figures\MeridenCT\161_State_St\Figure 1 Topo8.5X11.mxd

M-1185

Tighe&Bond
www.tighebond.com

Scale: 1" = 100'	Date:	Revision:	161 State Street MERIDEN, CT	NORTH
Job No. M-0817				
Drawn By: NAL			Site Plan	SHEET NO: Figure 2
Date: 10/30/2012				

Nov 27, 2012-3:07pm Plotted By: nal
Tighe & Bond, Inc. J:\M\M0817 - Meriden Brownfields\TOD Phase I & II ESAs\161 State Street\Phase II\Figures\AutoCAD\M-0817.dwg

11/27/2012

Tighe&Bond
www.tighebond.com

Scale: 1" = 100'	Date:	Revision:	161 State Street MERIDEN, CT	NORTH
Job No. M-0817				
Drawn By: NAL			Groundwater Contour Map	SHEET NO: Figure 3
Date: 10/30/2012				

Nov 27, 2012-3:09pm Plotted By: nal
Tighe & Bond, Inc. J:\M\M0817 - Meriden Brownfields\TOD Phase I & II ESAs\161 State Street\Phase II\Figures\AutoCAD\M-0817.dwg

11/27/2012

B-7	Concentration	Exceedance
SVOCs, mg/Kg		
Benzo(a)anthracene	1.3	RES DEC, GB PMC
Benzo(a)Pyrene	1.5	RES DEC, I/C DEC, GB PMC
Benzo(b)flouranthene	1.4	RES DEC, GB PMC
ETPH, mg/Kg	1500	RES DEC

Tighe&Bond
www.tighebond.com

Scale: 1" = 100'	Date:	Revision:	161 State Street MERIDEN, CT	NORTH
Job No. M-0817				
Drawn By: NAL			Soil Exceedances	SHEET NO: Figure 4
Date: 10/30/2012				

Nov 27, 2012-3:18pm Plotted By: nal
Tighe & Bond, Inc. J:\M\M0817 - Meriden Brownfields\TOD Phase I & II ESAs\161 State Street\Phase II\Figures\AutoCAD\M-0817.dwg

11/27/2012

MW-2	Concentration	Exceedance
Metals, ug/L		
Aresnic	9.6	SWPC

MW-2	Concentration	Exceedance
SVOCs, ug/L		
Phenanthrene	0.23	SWPC

Tighe&Bond
www.tighebond.com

Scale: 1" = 100'	Date:	Revision:	161 State Street MERIDEN, CT
Job No. M-0817			
Drawn By: NAL			Groundwater Exceedances
Date: 10/30/2012			

NORTH

SHEET NO:
Figure 5

Nov 27, 2012-3:18pm Plotted By: nal
Tighe & Bond, Inc. J:\M\M0817 - Meriden Brownfields\TOD Phase I & II ESAs\161 State Street\Phase II\Figures\AutoCAD\M-0817.dwg

11/27/2012

Tighe&Bond

APPENDIX B

Table 1
Summary of Well Construction and Groundwater Elevation
Phase II ESA
161 State Street
Meriden, Connecticut

Well ID	Elevation	Construction		Well Installation Date	Well Screen or Open Borehole Interval			Groundwater Elevation 9/20/12	
	Top of Casing	Total Well Depth (ft)	Casing Material		Depth (ft)	Screen / Borehole Length (ft)	Media Screened	Depth to GW (feet)	GW Elevation (feet NGVD)
MW-1	102.75	15	2-inch PVC	9/20/12	5-15	10	Overburden	9.68	93.07
MW-2	98.95	15	2-inch PVC	9/20/12	5-15	10	Overburden	5.34	93.61
MW-3	97.68	11	2-inch PVC	9/20/12	1-11	10	Overburden	7.85	89.83

Elevations based upon an assumed datum
Elevation data based on survey conducted by Tighe & Bond 10/16/2012

Table 2
Summary of Soil Analytical Results
Phase II ESA
161 State Street
Meriden, Connecticut

Sample ID				**B-1**	**B-2**	**B-3**	**B-4**	**B-5**	**B-6**	**B-6 DUP**	**B-7**	**B-8**	**B-9**	**B-10**
Sample Depth				5-7'	2-4'	2-4'	4-6'	4-6'	4-6'	4-6'	2-4'	6-8'	4-6'	5-7'
	RES DEC	I/C DEC	GB PMC	9/20/2012	9/20/2012	9/20/2012	9/20/2012	9/20/2012	9/20/2012	9/20/2012	9/20/2012	9/20/2012	9/20/2012	9/20/2012
Parameter														
PAHs, mg/Kg														
Acenaphthene	1000	2500	84	NA	NA	ND < 0.19	0.49	ND < 0.20	ND < 0.37	ND < 0.19	ND < 0.36	ND < 0.24	ND < 0.19	ND < 0.21
Anthracene	1000	2500	400	NA	NA	ND < 0.19	0.66	0.26	ND < 0.37	ND < 0.19	0.63	ND < 0.24	ND < 0.19	ND < 0.21
Benzo[a]anthracene	1	7.8	1	NA	NA	ND < 0.19	0.87	0.49	0.38	0.22	1.3	ND < 0.24	0.68	ND < 0.21
Benzo[a]pyrene	1	1	1	NA	NA	ND < 0.19	0.63	0.38	ND < 0.37	0.2	1.5	ND < 0.24	0.73	ND < 0.21
Benzo[b]fluoranthene	1	7.8	1	NA	NA	ND < 0.19	0.73	0.47	ND < 0.37	0.2	1.4	ND < 0.24	0.77	ND < 0.21
Benzo[g,h,i]perylene	NE	NE	NE	NA	NA	ND < 0.19	ND < 0.45	0.22	ND < 0.37	ND < 0.19	1.5	ND < 0.24	0.53	ND < 0.21
Benzo[k]fluoranthene	8.4	78	1	NA	NA	ND < 0.20	ND < 0.48	ND < 0.21	ND < 400	ND < 0.20	0.84	ND < 0.24	0.48	ND < 0.22
Chrysene	NE	NE	NE	NA	NA	ND < 0.19	0.85	0.49	ND < 0.37	0.22	1.3	ND < 0.24	0.67	ND < 0.21
Fluoranthene	1000	2500	56	NA	NA	ND < 0.19	1.7	0.9	0.4	0.26	2.6	ND < 0.24	1.1	ND < 0.21
Fluorene	1000	2500	56	NA	NA	ND < 0.19	ND < 0.45	ND < 0.20	ND < 0.37	ND < 0.19	0.47	ND < 0.24	ND < 0.19	ND < 0.21
Indeno[1,2,3-cd]pyrene	NE	NE	NE	NA	NA	ND < 0.37	ND < 0.90	ND < 0.40	ND < 740	ND < 0.38	1.2	ND < 0.48	0.48	ND < 0.41
Naphthalene	1000	2500	56	NA	NA	ND < 0.19	ND < 0.45	ND < 0.20	ND < 0.37	ND < 0.19	0.59	ND < 0.24	ND < 0.19	ND < 0.21
Phenanthrene	1000	2500	40	NA	NA	ND < 0.19	2.6	1.0	ND < 0.37	ND < 0.19	2.7	ND < 0.24	0.35	ND < 0.21
Pyrene	1000	2500	40	NA	NA	0.28	2.2	1.2	0.56	0.35	2.4	ND < 0.24	1.4	ND < 0.21
PCBs, mg/Kg	1	10	NE	NA	NA	NA	NA	NA	BRL	BRL	NA	BRL	NA	NA
ETPH, mg/Kg	500	2500	2500	NA	NA	150	79	130	29	62	1500	93	18	27
Metals, mg/Kg														
Arsenic	10	10	NE	NA	NA	4.2	3.8	5.8	3.8	4.3	3.4	3.6	3.2	2.9
Barium	4700	140000	NE	NA	NA	190	97	120	95	100	100	160	57	120
Beryllium	2	2	NE	NA	NA	ND < 0.45	0.45	0.62	0.48	0.43	0.63	0.5	0.54	0.62
Cadmium	34	1000	NE	NA	NA	ND < 0.45	ND < 0.28	0.34	ND< 0.23	ND < 0.23	0.38	ND < 0.30	ND < 0.25	ND < 0.26
Chromium	NE	NE	NE	NA	NA	13	21	16	15	15	14	22	18	27
Copper	2500	76000	NE	NA	NA	120	16	57	16	27	60	11	29	18
Lead	400	1000	NE	NA	NA	78	5.3	220	11	54	140	5	16	12
Nickel	1400	7500	NE	NA	NA	14	13	15	10	9.7	14	9.9	13	13
Silver	340	10000	NE	NA	NA	ND < 1.1	ND < 0.71	ND < 0.61	ND< 0.58	ND < 0.58	1.2	ND < 0.75	ND < 0.62	ND < 0.66
Vanadium	470	14000	NE	NA	NA	48	47	46	29	30	27	42	38	56
Zinc	20000	610000	NE	NA	NA	99	56	180	38	200	130	40	45	63
Mercury	20	610	NE	NA	NA	0.19	ND < 0.095	0.26	ND< 0.091	0.36	0.44	ND < 0.10	ND < 0.084	ND < 0.10
VOCs, mg/Kg														
2-Butanone (MEK)	500	1000	80	ND < 0.029	ND < 0.024	NA	ND < 0.046	NA	ND < 0.038	NA	NA	0.073	ND < 0.024	ND < 0.030
Methylene Chloride	82	760	1	ND < 0.011	ND < 0.013	NA	ND < 0.019	NA	ND < 0.015	NA	NA	0.016	ND < 0.0098	ND < 0.012
Naphthalene	NE	NE	NE	ND < 0.029	ND < 0.024	NA	ND < 0.046	NA	ND < 0.038	NA	NA	ND < 0.037	ND < 0.024	ND < 0.030

mg/Kg - milligrams per kilogram
ug/Kg - micrograms per kilogram
PAHs - Polycyclic Aromatic Hydrocarbons
PCBs - Polychlorinated Biphenyls
ETPH - Extractable Total Petroleum Hydrocarbons
NE - Not established
NA - Not analyzed for this parameter
ND - Not detected above laboratory reporting limits
Boxed values exceed RSR Criteria

Table 3
Summary of Groundwater Analytical Results
Phase II ESA
161 State Street
Meriden, Connecticut

Sample ID Parameter	SWPC	RES VOL	I/C VOL	MW-1 9/20/2012	MW-2 9/20/2012	MW-2 DUP 9/20/2012	MW-3 9/20/2012	Trip Blank 9/20/2012
VOCs, ug/L	Varies	Varies	Varies	ND	ND	ND	ND	ND
PAHs, ug/L								
Phenanthrene	0.077	NE	NE	< 0.19	0.23	0.23	< 0.19	NA
ETPH, mg/L	NE	NE	NE	0.42	0.33	0.22	0.27	NA
Metals, ug/L								
Arsenic	4	NE	NE	9.6	1.6	1.6	2.6	NA
Barium	NE	NE	NE	340	310	350	270	NA
Chromium	NE	NE	NE	22	17	18	16	NA
Copper	48	NE	NE	1.1	2.1	5.9	2.8	NA
Lead	13	NE	NE	ND < 1.0	1.8	12	1	NA
Nickel	880	NE	NE	1.4	ND < 5.0	ND < 5.0	ND < 5.0	NA
Vanadium	NE	NE	NE	6.1	6.8	12	9.6	NA
Zinc	123	NE	NE	3.8	6.9	12	7	NA

mg/L - milligrams per liter
ug/L - micrograms per liter
PAHs - Polycyclic Aromatic Hydrocarbons
PCBs - Polychlorinated Biphenyls
ETPH - Extractable Total Petroleum Hydrocarbons
NE - Not established
NA - Not analyzed for this parameter
ND - Not detected above laboratory reporting limits

Table 4
Data Usability Analysis
Phase II ESA
161 State Street
Meriden, Connecticut

Lab ID	Sample ID	Compound	QC Outlier	Issue	Bias	Result	DUE Considerations
360-42928-10	MW-1	2-Butanone, 2-Hexanone, trans-1,4-Dichloro-2-butene	MS recovery low	Lab Problem	low	Varies	Possible interfrences in sample
360-42928-10	MW-1	2-Butanone, 2-Hexanone, Bromoform, trans-1,4-Dichloro-2-butene	MSD recovery low	Lab Problem	low	Varies	Possible interferences in sample
360-42928-10	MW-1	Terphenyl-d14	surrogate recovery high	Lab Problem	High	132%	All VOCs were non-detect. There is no suspected bias in the analytical results.
360-42928-10 360-42928-11 360-42928-12 360-42928-13	MW-1 MW-2 MW-3 MW-2 DUP	2-Butanone	LCS Recovery Low	Lab Problem	Low	ND	All VOCs were non-detect. There is no suspected bias in the analytical results.
360-42928-2	B-4	SVOCs	2X dilution	Sample Matrix	RLs	Varies	Higher RLs due to dillution. RLs below RSR Criteria
360-42928-4	B-6	SVOCs	2X dilution	Sample Matrix	RLs	Varies	Higher RLs due to dillution. RLs below RSR Criteria
360-42928-5	B-7	SVOCs	2X dilution	Sample Matrix	RLs	Varies	Higher RLs due to dillution. RLs below RSR Criteria
360-42928-6	B-8	Chrysene-d12	Internal Standard Criteria High	Lab Problem	Low	49%	RLs below RSR criteria
360-42928-6	B-8	o-Terphenyl	Surrogate recovery low	Lab Problem	Low	51%	Possible interferences in sample
360-42928-5	B-7	ETPH	10X dilution	Sample Matrix	RLs	Varies	Higher RLs due to dillution. RLs below RSR Criteria
360-42928-3	B-5	Antimony and Barium	MS recovery low	Lab Problem	low	Varies	Barium was detected above RLs; Antimony was ND. Results may be biased low.
360-42928-3	B-5	Zinc	MS recovery high	Lab Problem	high	180	Results may be biased high
360-42928-3	B-5	Antimony	MSD recovery low	Lab Problem	low	ND	Antimony was ND in sample. Results may be biased low.
360-42928-1	B-3	Metals	2X dilution	Sample Matrix	RLs	Varies	Higher RLs due to dillution. RLs below RSR Criteria
360-42928-5	B-7	Metals	2X dilution	Sample Matrix	RLs	Varies	Higher RLs due to dillution. RLs below RSR Criteria
360-42928-9	B-6 DUP	Metals	2X dilution	Sample Matrix	RLs	Varies	Higher RLs due to dillution. RLs below RSR Criteria
360-42928-11	MW-2	Dissolved metals	5X dilution	Sample Matrix	RLs	Varies	Higher RLs due to dillution. RLs below RSR Criteria
360-42928-13	MW-2 DUP	Dissolved metals	5X dilution	Sample Matrix	RLs	Varies	Higher RLs due to dillution. RLs below RSR Criteria
360-42928-12	MW-3	Dissolved metals	5X dilution	Sample Matrix	RLs	Varies	Higher RLs due to dillution. RLs below RSR Criteria
360-42893-1 360-42893-2 360-42893-3 360-42893-4 360-42893-5 360-42893-6 360-42893-7	B-1 B-2 B-4 B-6 B-7 B-8 B-9	Methylene chloride	Detected in the Method Blank	Lab Contaminant		ND	Soil sample B-8 contained low concentrations of Methylene Chloride and may be a result of laboratory contamination

Table 4
Data Usability Analysis
Phase II ESA
161 State Street
Meriden, Connecticut

360-42893-8	B-10						
360-42893-6	B-8	1,4-Dichlorobenze-d14	Internal Standard Criteria Low	Lab Problem	High	42.36	RLs below RSR criteria
360-42893-1	B-1	2-Butanone, Bromomethane, Chloroethane, Dichlorodiflouromethane, Vinyl Chloride	LCS Recovery Low	Lab Problem	Low	ND	All VOCs were non-detect. There is no suspected bias in the analytical results.
360-42893-2	B-2						
360-42893-3	B-4						
360-42893-4	B-6						
360-42893-5	B-7			Lab Problem	Low	ND	All VOCs were non-detect. There is no suspected bias in the analytical results.
360-42893-6	B-8						
360-42893-7	B-9						
360-42893-8	B-10						
360-42893-5	B-7	Soil	Ratio of soil to methanol less than 1	Sample Collection	Low	Varies	Sample results may be biased low
360-42893-3	B-4	Soil	Ratio of soil to DI Water less than 1	Sample Collection	Low	Varies	Sample results may be biased low
360-42893-1	B-1	VOCs	Temperature	Lab reported temperature of samples at 8.4C at the time of pickup	Low	ND	Soil samples were placed on ice and transported to TestAmerica in Westfield Massachusetts via lab courier. According to the chain of custody, samples exceeded recommended temperature upon pickup. It is believed that the courier measured the temperature of the last sample collected which was at the top of the cooler and may not have had time to cool.
360-42893-2	B-2						
360-42893-3	B-4						
360-42893-4	B-6						
360-42893-5	B-7						
360-42893-6	B-8						
360-42893-7	B-9						
360-42893-8	B-10						

TABLE 5
Conceptual Site Model
Phase II ESA
161 State Street
Meriden, Connecticut

REC ID	REC Description	Potential COCs	Confirmed COCs	Potential Release Mechanisms and Pathways	Potential Receptors	Staus	Sampling Locations		Rationale
							Soil Borings	Monitoring Wells	
1	Historic use of the site for manufacturing activities and storage of gasoline	VOCs, PAHs, ETPH, metals, PCBs	None	Spillage on ground surface. Migration of contaminants from impacted soil to groundwater.	Ecological Resources	No significant releases were identified	B-1 through B-10	MW-1, MW-2, and MW-3	Significant releases of COCs to the environment as a result of former manufacturing operations or gasoline storage (REC-1) at the site were not identified during this investigation. However, exceedances of CTDEEP RSR criteria were identified for ETPH and PAHs in one soil sample (B-7), for arsenic in one groundwater sample (MW-1), and phenanthrene in another groundwater samples (MW-2). ETPH and PAH concentrations in soils and groundwater are likely associated with fill material underlying the site. Arsenic concentrations are likely due to silt content of samples and/or naturally occurring concentrations documented throughout New England.
2	Fill material including building demolition debris	VOCs, PAHs, ETPH, metals, PCBs, and asbestos	PAHs, ETPH, and metals	Deposition of fill materials.	Ecological Resources	Additional evaluation needed during redevelopment	B-1 through B-10	MW-1, MW-2, and MW-3	Fill material **REC-2** underlying the site from 2 to 8 feet bg appears to contain varying concentrations of COCs including PAHs, ETPH, and metals. No significantly elevated concentrations of these COCs were identified in soil or groundwater samples collected and analyzed during this investigation.
3	Off-Site Concerns	PAHs, ETPH, and metals	None	Groundwater migration from upgradient sources.	Ecological Resources	No specific contributing source of groundwater impacts identified	NA	MW-1	Potential impacts from off-site releases (primarily petroleum) on properties considered to be hydrogeologically up gradient were identified as a potential concern for the site. These releases may have impacted groundwater in the area of the site. Groundwater in the area of the site has been classified as GB by the CTDEEP. The GB classification indicates known degraded conditions. Detections of ETPH and phenanthrene in groundwater beneath the site could be associated with impacts migrating from these off-site releases. Since ETPH and phenanthrene were detected in site soils it does not appear as though off-site releases are the sole source of these contaminants in groundwater but may be a contributing factor.

Tighe&Bond

APPENDIX C

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: Meriden Brownfields
Location: 161 State Street
Client: City of Meriden

Boring No. **B-1/MW-1**
Page of
File No. 22-0817
Checked by:

Drilling Co.: Soil Exploration
Foreman: George Guinto
T&B Rep.: Amy Vaillancourt
Date Start: 09/20/12 End: 09/20/12
Location See Site Location Plan
GS. Elev. Datum:

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

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/20/2012	see notes			

Depth (ft.)	PID ppm	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 6"	Sample Description	General Stratigraphy	Notes	Well Construction
1	0.0	S1 / 28	0-5		S1: Top 4" - AsphaltRed-brown SAND, fine to medium grained. Trace silt. Evidence of asphalt and brick fragments	**Asphalt**		2" PVC Riser from 0-5'
5	0.0	S2 / 32	5-10		S2: Red-brown SAND, fine to medium grained. Trace silt. Evidence of asphalt, brick, and concrete fragments	**Sand**		2" PVC Screen from 5-15'
10	0.0	S3 / 29	10-15		S3:Coarse grained red-brown SAND, wet			Sand Pack from 4-15'
								Bottom of Well at 15'
15					Bottom of Exploration at 15'			
					Set monitoring well at 15'			
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 9 ft. below grade.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: Meriden Brownfields
Location: 161 State Street
Client: City of Meriden

Boring No. **B-2**
Page of
File No. 22-0817
Checked by:

Drilling Co.: Soil Exploration
Foreman: George Guinto
T&B Rep.: Amy Vaillancourt
Date Start: 09/20/12 End: 09/20/12
Location See Site Location Plan
GS. Elev. Datum:

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

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/20/2012	see notes			

Depth (ft.)	PID ppm	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 6"	Sample Description	General Stratigraphy	Notes	Well Construction
1	14.7	S1 / 36	0-5		S1: Top 3" - Asphalt. Red-brown SAND, fine to medium grained. Trace silt. Evidence of concrete fragments	**Asphalt**		
2-4	43.8					**Sand**		
5	8.9	S2 / 6	5-10		S2: Red-brown SAND, fine to medium grained. Trace silt			
6-8	1.4							
10	0.0	S3 / 40	10-15		S3:Coarse grained red-brown SAND and silt (wet). Slight black staining at 15 feet.			
15					Bottom of Exploration at 15'			
20								
25								
30								

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

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: Meriden Brownfields
Location: 161 State Street
Client: City of Meriden

Boring No. **B-3**
Page of
File No. 22-0817
Checked by:

Drilling Co.: Soil Exploration
Foreman: George Guinto
T&B Rep.: Amy Vaillancourt
Date Start: 09/20/12 End: 09/20/12
Location See Site Location Plan
GS. Elev. Datum:

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

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/20/2012	see notes			

Depth (ft.)	PID ppm	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 6"	Sample Description	General Stratigraphy	Notes	Well Construction
1	0.1	S1 / 15	0-5		S1: Top 3" - Asphalt. Red-brown SAND, fine to medium grained. Trace silt.	**Asphalt**		
2-4	27.8					**Sand**		
5	0.00	S2 / 2	5-10		S2: Red-brown SAND, fine to medium grained , some gravel.			
6-8	16.5							
10	20.1	S3 / 33	10-15		S3:Coarse grained red-brown SAND and silt (wet)			
15					Bottom of Exploration at 15'			
20								
25								
30								

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

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Boring No. **B-4**
Page of
File No. 22-0817
Checked by:

Project: Meriden Brownfields
Location: 161 State Street
Client: City of Meriden

Drilling Co.: Soil Exploration
Foreman: George Guinto
T&B Rep.: Amy Vaillancourt
Date Start: 09/20/12 End: 09/20/12
Location See Site Location Plan
GS. Elev. Datum:

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

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/20/2012	see notes			

Depth (ft.)	PID ppm	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 6"	Sample Description	General Stratigraphy	Notes	Well Construction
1	0.3	S1 / 17	0-5		S1: Top 3" - Asphalt. Red-brown SAND, fine to medium grained. Trace silt. Evidence of asphalt, brick, and concrete fragments.	**Asphalt**		
2-4	0.7					**Sand**		
5	65.0	S2 / 34	5-10		S2: Red-brown SAND, fine to medium grained (moist). Evidence black staining at 5-7 feet bg. No odor.			
6-8	25.7							
10	75.0	S3 / 30	10-15		S3:Coarse grained red-brown SAND and silt with some gravel (wet). No odor or staining			
15					Bottom of Exploration at 15'			
20								
25								
30								

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

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: Meriden Brownfields
Location: 161 State Street
Client: City of Meriden

Boring No. **B-5**
Page of
File No. 22-0817
Checked by:

Drilling Co.: Soil Exploration
Foreman: George Guinto
T&B Rep.: Amy Vaillancourt
Date Start: 09/20/12 End: 09/20/12
Location See Site Location Plan
GS. Elev. Datum:

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

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/20/2012	see notes			

Depth (ft.)	PID ppm	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 6"	Sample Description	General Stratigraphy	Notes	Well Construction
1	0.2	S1 / 19	0-5		S1: Top 3" - Asphalt. Red-brown SAND, fine to medium grained. Trace silt. Evidence of asphalt, brick, and concrete fragments.	**Asphalt**		
2-4	30.8					**Sand**		
5	38.8	S2 / 28	5-10		S2: Red-brown SAND, fine to medium grained (moist). Evidence of asphalt, brick, and concrete fragments.			
6-8	0.0							
10	0.0	S3 / 34	10-15		S3: Medium grained red-brown SAND and silt (wet).			
15					Bottom of Exploration at 15'			
20								
25								
30								

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

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: Meriden Brownfields
Location: 161 State Street
Client: City of Meriden

Boring No. **B-6**
Page of
File No. 22-0817
Checked by:

Drilling Co.: Soil Exploration
Foreman: George Guinto
T&B Rep.: Amy Vaillancourt
Date Start: 09/20/12 End: 09/20/12
Location See Site Location Plan
GS. Elev. Datum:

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

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/20/2012	see notes			

Depth (ft.)	PID ppm	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 6"	Sample Description	General Stratigraphy	Notes	Well Construction
1	10.5	S1 / 31	0-5		S1: Top 3" - Asphalt. Red-brown SAND, fine to medium grained. Trace silt. Evidence of asphalt, brick, and concrete fragments.	**Asphalt**		
2-4	20.6							
5	65.7	S2 / 33	5-10		S2: Red-brown SAND, fine to medium grained (moist). Evidence of asphalt, brick, and concrete fragments.			
6-8	9.1					**Sand**		
10	0.0	S3 / 4	10-15		S3: Medium grained red-brown SAND and silt (wet).			
15					Bottom of Exploration at 15'			
20								
25								
30								

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

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Boring No. **B-7/MW-2**
Page of
File No.
Checked by:

Project: Meriden Brownfields
Location: 161 State Street
Client: City of Meriden

Drilling Co.: Soil Exploration
Foreman: George Guinto
T&B Rep.: Amy Vaillancourt
Date Start: 09/20/12 End: 09/20/12
Location See Site Location Plan
GS. Elev. Datum:

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

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/20/2012	see notes			

Depth (ft.)	PID ppm	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 6"	Sample Description	General Stratigraphy	Notes	Well Construction
1	0.0	S1 / 24	0-5		S1: Top 6" - Top soil. Red-brown SAND, fine to medium grained. Trace silt. Evidence of asphalt, brick, and concrete fragments	**Asphalt**		2" PVC Riser from 0-5'
2-4	54					**Sand**		
5	37	S2 / 37	5-10		S2: Red-brown SAND, fine to medium grained (moist). Slight dark staining at 7 feet bg. No odor			2" PVC Screen from 5-15'
6-8	19.5							
10	6.3	S3 / 40	10-15		S3:Coarse grained red-brown SAND and silt (wet). No odor or staining			Sand Pack from 4-15'
15					Bottom of Exploration at 15' Set monitoring well at 15'			Bottom of Well at 15'
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 9 ft. below grade.

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: Meriden Brownfields
Location: 161 State Street
Client: City of Meriden

Boring No. **B-8**
Page of
File No. 22-0817
Checked by:

Drilling Co.: Soil Exploration
Foreman: George Guinto
T&B Rep.: Amy Vaillancourt
Date Start: 09/20/12 End: 09/20/12
Location See Site Location Plan
GS. Elev. Datum:

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

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/20/2012	see notes			

Depth (ft.)	PID ppm	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 6"	Sample Description	General Stratigraphy	Notes	Well Construction
1	0.0	S1 / 10	0-5		S1: Top 3" - Asphalt. Red-brown SAND, fine to medium grained. Trace silt. Evidence of asphalt , brick, and concrete fragments.	**Asphalt**		
5	0.5	S2 / 30	5-10		S2: Red-brown SAND, fine to medium grained (moist). Evidence of asphalt, brick, and concrete fragments. Dark grey/black staining at 5-6 feet bg.	**Sand**		
6-8	62.8							
10	45.6	S3 / 34	10-15		S3:Coarse grained red-brown SAND and silt (wet). No odor or staining			
15					Bottom of Exploration at 15'			
20								
25								
30								

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

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: Meriden Brownfields
Location: 161 State Street
Client: City of Meriden

Boring No. **B-9**
Page of
File No. 22-0817
Checked by:

Drilling Co.: Soil Exploration
Foreman: George Guinto
T&B Rep.: Amy Vaillancourt
Date Start: 09/20/12 End: 09/20/12
Location See Site Location Plan
GS. Elev. Datum:

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

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/20/2012	see notes			

Depth (ft.)	PID ppm	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 6"	Sample Description	General Stratigraphy	Notes	Well Construction
1	0.0	S1 / 30	0-5		S1: Top 6" - Top soil. Red-brown SAND, fine to medium grained. Trace silt. Evidence of asphalt and concrete fragments. No odor or staining	**Asphalt**		
2-4	1000					**Sand**		
5	4000	S2 / 14	5-10		S2: Red-brown SAND, fine to medium grained (moist). Evidence of concrete fragments at 8 feet bg. No odor or staining			
6-8	200							
10	0.8	S3 / 24	10-15		S3:Coarse grained red-brown SAND and silt (wet).			
15					Bottom of Exploration at 15'			
20								
25								
30								

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

Tighe&Bond

Consulting Engineers
Middletown, Connecticut

Project: Meriden Brownfields
Location: 161 State Street
Client: City of Meriden

Boring No. **B-10/MW-3**
Page of
File No.
Checked by:

Drilling Co.: Soil Exploration
Foreman: George Guinto
T&B Rep.: Amy Vaillancourt
Date Start: 09/20/12 End: 09/20/12
Location See Site Location Plan
GS. Elev. Datum:

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

Groundwater Readings

Date	Time	Depth	Casing	Sta. Time
9/20/2012	see notes			

Depth (ft.)	PID ppm	Sample No. / Rec. (in)	Sample Depth (ft.)	Blows Per 6"	Sample Description	General Stratigraphy	Notes	Well Construction
1	0.0	S1 / 24	0-5		S1: Top 4" - Asphalt. Red-brown SAND, fine to medium grained. Trace silt. Evidence of asphalt and brick fragments	**Asphalt**		2" PVC Riser from 0-1'
						Sand		2" PVC Screen from 1-11'
5	0.0	S2 / 18	5-10		S2: Red-brown SAND, fine to medium grained. Trace silt. Slight grey staining at 5'. No odor.			Sand Pack from 1-11'
10	0.0		10-11					Bottom of Well at 11'
					Bottom of Exploration at 11'			
					Set monitoring well at 11'			
15								
20								
25								
30								

Notes:
1. Groundwater encountered during drilling at approximately 4-5 ft. below grade.

Tighe&Bond

APPENDIX D

Low-Flow Data Sheet

Project Name: Meriden Brownfields - 161 State Street
Project Number: 22-081716
Static Depth to Water (ft): 9.68
Depth to Bottom (ft): 15
Screen interval: 5-10 feet
Elevation of Intake: 10 feet

Well: MW-1
Date: 9/20/2012
Sample time: 1340
Sampler: AJV
Purged (gal): 1.5

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	pH (+/- 0.1)	Temp. (°C) (<3%)	Turbidity (NTU) (< 5 NTU or <10%)	DO (mg/L) (<10% or under 0.5)	ORP (mV) (+/- 10 mV)	Specific Cond. (mS/cm) (<3%)
1318	200	9.68	3.99	25.52	171	9.74	278	0
1321	200	9.65	6.11	20.11	10.2	1.16	-41	0.4
1324	250	9.6	6.42	19.13	20.6	0	-90	0.3
1327	250	9.65	6.51	18.99	11.8	0	-105	0.3
1330	200	9.6	6.5	18.99	5.7	0	-110	0.3
1333	200	9.6	6.5	19.9	5.1	0	-111	0.3
1336	200	9.6	6.51	20.93	3.3	0	-112	0.3

Analysis: VOCs / PAHs / ETPH/RCP Metals
Sample Containers: HCl voas __x_ 1L unpres Ambers__x__ HNO3 Plastic__x___ Other_____
Pump: Bladder / **Peristalic** / Grunfos / Other-

Color: clear
Odor: none
Sheen: none

Turbidity: silty
Well Condition: newly installed
Repairs: none

Low-Flow Data Sheet

Project Name: Meriden Brownfields - 161 State Street
Well: MW-2
Project Number: 22-081716
Date: 9/20/2012
Static Depth to Water (ft): 5.34
Sample time: 1435
Depth to Bottom (ft): 15
Sampler: AJV
Screen interval: 5-10 feet
Purged (gal): 2
Elevation of Intake: 5.5 feet

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	pH (+/- 0.1)	Temp. (°C) (<3%)	Turbidity (NTU) (< 5 NTU or <10%)	DO (mg/L) (<10% or under 0.5)	ORP (mV) (+/- 10 mV)	Specific Cond. (mS/cm) (<3%)
1401	200	5.3	6.44	23.7	238	16.63	57	0
1404	250	5.5	6.41	23.6	163	9.61	50	0.1
1406	250	5.5	6.9	23.74	182	9.18	56	0.4
1409	250	5.6	6.51	20.99	189	0	-27	0.4
1412	200	5.5	6.5	21.14	166	0	-24	0.4
1415	200	5.5	6.49	21.19	163	0	-25	0.4
1418	200	5.4	6.49	21.18	170	0	-27	0.4
1421	250	5.5	6.48	21.18	268	0	-29	0.4
1424	250	5.6	6.48	21.23	625	0	-36	0
1427	200	5.5	6.23	21.93	171	9.18	-52	0

Analysis: VOCs / PAHs / ETPH/RCP Metals
Sample Containers: HCl voas __x_ 1L unpres Ambers__x__ HNO3 Plastic__x___ Other_____
Pump: Bladder / **Peristalic** / Grunfos / Other-

Color: clear
Turbidity: silty
Odor: none
Well Condition: newly installed
Sheen: none
Repairs: none

Low-Flow Data Sheet

Project Name: Meriden Brownfields - 161 State Street
Well: MW-3
Project Number: 22-081716
Date: 9/20/2012
Static Depth to Water (ft): 7.85
Sample time: 330
Depth to Bottom (ft): 11 feet
Sampler: AJV
Screen interval: 1 to 11 feet
Purged (gal): 2.5
Elevation of Intake: 8 feet

Time (3-5 min.)	Discharge/ Pumping rate (100-400 mL/min)	DTW (ft) (<0.3 ft)	pH (+/- 0.1)	Temp. (°C) (<3%)	Turbidity (NTU) (< 5 NTU or <10%)	DO (mg/L) (<10% or under 0.5)	ORP (mV) (+/- 10 mV)	Specific Cond. (mS/cm) (<3%)
1515	250	7.85	6.14	24.04	0	9.13	78	0
1518	250	7.9	6.81	23.34	0	9.18	52	0.4
1521	200	8	6.76	23.12	0	0	17	0.4
1524	200	7.9	6.69	23.14	0	0	8	0.4
1525	250	7.9	6.65	23.06	0	0	8	0.4
1528	250	8	6.78	23.55	0	8.91	18	0.4
1531	200	7.9	6.73	23.22	0	0	16	0.4
1534	200	7.9	6.71	23.47	0	0	9	0
1536	200	7.85	6.73	23.41	174	0	8	0

Analysis: VOCs / PAHs / ETPH/RCP Metals
Sample Containers: HCl voas __x_ 1L unpres Ambers__x__ HNO3 Plastic__x___ Other_____
Pump: Bladder / **Peristalic** / Grunfos / Other-

Color: clear
Turbidity: silty
Odor: none
Well Condition: newly installed
Sheen: none
Repairs: none

Tighe&Bond

APPENDIX E

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Westfield
Westfield Executive Park
53 Southampton Road
Westfield, MA 01085
Tel: (413)572-4000

TestAmerica Job ID: 360-42928-1
Client Project/Site: 161 State St. 220817-16

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

Attn: Amy J. Vaillancourt

Authorized for release by:
9/28/2012 5:41:59 PM
Chris Reynolds
QA Manager
chris.reynolds@testamericainc.com

Designee for

Janine Johnson
Project Manager I
janine.johnson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Detection Summary 7
Method Summary 12
Sample Summary 13
Client Sample Results 14
Definitions 44
QC Association 45
Surrogate Summary 50
QC Sample Results 53
Chronicle 71
Certification Summary 76
Receipt Checklists 78
Chain of Custody 79

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**161 State Street**	***Project Number:***	**360-42928-1**
Laboratory Sample ID (s):	**360-42928-1 [-1-14]**	***Sampling Date (s):***	**9/20/12**
Method:	**CTETPH, 8270D, 6010C, 6020, 8082A, 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℃)?	Yes √	N/A	No
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	Yes		No √
5	a) Were reporting limits specified or referenced on the chain-of custody?	Yes √		No
	b) Were these reporting limits met?	Yes	N/A	No √
6	For each analytical method reference in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes √		No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes √		No

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

This Certification form is to be used for RCP methods only

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

Authorized Signature: Christine Lavonne Reynolds Position: Quality Assurance Manager

Printed Name: Christine Reynolds Date: 9/28/12 17:40

The certification form has been electronically signed and approved. Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Job ID: 360-42928-1

Laboratory: TestAmerica Westfield

Narrative

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

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

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

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.

RECEIPT

The samples were received on 09/22/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.4 & 0.9C.

Per client request turbidity was removed from samples MW-1, MW-2 MW-3 and MW-2 dup.

Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is within the method's specified temperature range or for general analysis, ranging from 6°C to just above the freezing temperature of water. Samples that are hand delivered, immediately following collection, may not meet these criteria; however, they will be considered acceptable according to NELAC and State standards, if there is evidence that the chilling process has begun, such as stored and transported to the laboratory on ice.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-1 (360-42928-10), MW-2 (360-42928-11), MW-3 (360-42928-12), MW-2 DUP (360-42928-13) and Trip Blank (360-42928-14) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 09/27/2012.

2-Butanone (MEK) failed the recovery criteria low for LCS 360-95955/3. Refer to the QC report for details.

2-Butanone (MEK), 2-Hexanone and trans-1,4-Dichloro-2-butene failed the recovery criteria low for the MS of sample MW-1MS (360-42928-10) in batch 360-95955.

2-Butanone (MEK), 2-Hexanone, Bromoform and trans-1,4-Dichloro-2-butene failed the recovery criteria low for the MSD of sample MW-1MSD (360-42928-10) in batch 360-95955. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount. Refer to the QC report for details.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS) - LOW LEVEL

Samples MW-1 (360-42928-10), MW-2 (360-42928-11), MW-3 (360-42928-12) and MW-2 DUP (360-42928-13) were analyzed for semivolatile organic compounds (GC-MS) - Low Level in accordance with SW846 8270D LL. The samples were prepared on 09/25/2012 and analyzed on 09/26/2012.

Terphenyl-d14 failed the surrogate recovery criteria high for MW-1 (360-42928-10). Refer to the QC report for details.

For batch 95890 the curve dated 9/18/12 uses quadratic regressions for Benzoic Acid, 2,4-Dintirophenol, and Pentachlorophenol.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples B-3 (360-42928-1), B-4 (360-42928-2), B-5 (360-42928-3), B-6 (360-42928-4), B-7 (360-42928-5), B-8 (360-42928-6), B-9

Job ID: 360-42928-1 (Continued)

Laboratory: TestAmerica Westfield (Continued)

(360-42928-7), B-10 (360-42928-8) and B-6 DUP (360-42928-9) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 09/26/2012 and analyzed on 09/26/2012 and 09/27/2012.

Samples B-4 (360-42928-2)[2X], B-6 (360-42928-4)[2X] and B-7 (360-42928-5)[2X] required dilution prior to analysis due to color and viscosity. The reporting limits have been adjusted accordingly.

For batch 95921 and 95970 the curve dated 9-25-12 Atrazine and Benzidine fail to meet %D or R2 so line of best fit is being used.

For batch 95921 the curve dated 9-25-12 exceeds minimum RF criteria for the following compounds: N-Nitrosodi-n-propylamine and 2-Chlorophenol. However, this RF were above 0.05.

Internal standard (ISTD) response for the following sample(s) was outside of acceptance limits (Chrysene-d12 49.44%): B-8 (360-42928-6). The sample(s) was not re-analyzed due to no reportable hits associated with this ISTD.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples B-6 (360-42928-4), B-8 (360-42928-6) and B-6 DUP (360-42928-9) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 09/24/2012 and analyzed on 09/25/2012.

No difficulties were encountered during the PCB analyses.

EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS

Samples B-3 (360-42928-1), B-4 (360-42928-2), B-5 (360-42928-3), B-6 (360-42928-4), B-7 (360-42928-5), B-8 (360-42928-6), B-9 (360-42928-7), B-10 (360-42928-8) and B-6 DUP (360-42928-9) were analyzed for extractable total petroleum hydrocarbons in accordance with CT ETPH. The samples were prepared on 09/25/2012 and analyzed on 09/26/2012.

o-Terphenyl failed the surrogate recovery criteria low for B-8 (360-42928-6). Refer to the QC report for details. The sample(s) shows evidence of matrix interference; therefore, re-extraction and/or re-analysis was not performed. Chromatograms have been provided as supporting documentation.

Sample B-7 (360-42928-5)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

EXTRACTABLE TOTAL PETROLEUM HYDROCARBONS

Samples MW-1 (360-42928-10), MW-2 (360-42928-11), MW-3 (360-42928-12) and MW-2 DUP (360-42928-13) were analyzed for extractable total petroleum hydrocarbons in accordance with State CT ETPH. The samples were prepared on 09/24/2012 and analyzed on 09/25/2012 and 09/26/2012.

No difficulties were encountered during the ETPH analyses.

METALS (ICP)

Samples B-3 (360-42928-1), B-4 (360-42928-2), B-5 (360-42928-3), B-6 (360-42928-4), B-7 (360-42928-5), B-8 (360-42928-6), B-9 (360-42928-7), B-10 (360-42928-8) and B-6 DUP (360-42928-9) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared and analyzed on 09/25/2012.

Antimony and Barium failed the recovery criteria low for the MS of sample 360-42930-3 in batch 360-95892. Zinc failed the recovery criteria high. Antimony failed the recovery criteria low for the MSD of sample 360-42930-3 in batch 360-95892. Refer to the QC report for details.

Samples B-3 (360-42928-1)[2X], B-7 (360-42928-5)[2X] and B-6 DUP (360-42928-9)[2X] required dilution prior to analysis due to sample matrix which caused interference with the interelement corrections of the target elements. The reporting limits have been adjusted accordingly.

DISSOLVED METALS

Samples MW-1 (360-42928-10), MW-2 (360-42928-11), MW-3 (360-42928-12) and MW-2 DUP (360-42928-13) were analyzed for dissolved metals in accordance with EPA SW-846 6020. The samples were analyzed on 09/25/2012.

The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-2 (360-42928-11), MW-2

Job ID: 360-42928-1 (Continued)

Laboratory: TestAmerica Westfield (Continued)

DUP (360-42928-13), MW-3 (360-42928-12). Elevated reporting limits (RLs) are provided.

MERCURY (CVAA)

Samples MW-1 (360-42928-10), MW-2 (360-42928-11), MW-3 (360-42928-12) and MW-2 DUP (360-42928-13) were analyzed for mercury (CVAA) in accordance with EPA SW-846 Method 7470A. The samples were prepared and analyzed on 09/25/2012.

No difficulties were encountered during the mercury analyses.

MERCURY

Samples B-3 (360-42928-1), B-4 (360-42928-2), B-5 (360-42928-3), B-6 (360-42928-4), B-7 (360-42928-5), B-8 (360-42928-6), B-9 (360-42928-7), B-10 (360-42928-8) and B-6 DUP (360-42928-9) were analyzed for mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 09/27/2012.

No difficulties were encountered during the mercury analyses.

PERCENT SOLIDS

Samples B-3 (360-42928-1), B-4 (360-42928-2), B-5 (360-42928-3), B-6 (360-42928-4), B-7 (360-42928-5), B-8 (360-42928-6), B-9 (360-42928-7), B-10 (360-42928-8) and B-6 DUP (360-42928-9) were analyzed for percent solids in accordance with EPA Moisture. The samples were analyzed on 09/25/2012.

No difficulties were encountered during the % solids analyses.

Detection Summary

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Client Sample ID: B-3 — Lab Sample ID: 360-42928-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	280		190		ug/Kg	1	☼	8270D	Total/NA
Arsenic	4.2		2.3		mg/Kg	2	☼	6010	Total/NA
Barium	190		1.1		mg/Kg	2	☼	6010	Total/NA
Chromium	13		1.1		mg/Kg	2	☼	6010	Total/NA
Copper	120		2.3		mg/Kg	2	☼	6010	Total/NA
Lead	78		1.1		mg/Kg	2	☼	6010	Total/NA
Nickel	14		2.3		mg/Kg	2	☼	6010	Total/NA
Vanadium	48		1.1		mg/Kg	2	☼	6010	Total/NA
Zinc	99		5.7		mg/Kg	2	☼	6010	Total/NA
Mercury	0.19		0.075		mg/Kg	1	☼	7471	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	150		3.7		mg/Kg	1	☼	CT ETPH	Total/NA

Client Sample ID: B-4 — Lab Sample ID: 360-42928-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	490		450		ug/Kg	2	☼	8270D	Total/NA
Anthracene	660		450		ug/Kg	2	☼	8270D	Total/NA
Benzo[a]anthracene	870		450		ug/Kg	2	☼	8270D	Total/NA
Benzo[a]pyrene	630		450		ug/Kg	2	☼	8270D	Total/NA
Benzo[b]fluoranthene	730		450		ug/Kg	2	☼	8270D	Total/NA
Chrysene	850		450		ug/Kg	2	☼	8270D	Total/NA
Fluoranthene	1700		450		ug/Kg	2	☼	8270D	Total/NA
Phenanthrene	2600		450		ug/Kg	2	☼	8270D	Total/NA
Pyrene	2200		450		ug/Kg	2	☼	8270D	Total/NA
Arsenic	3.8		1.4		mg/Kg	1	☼	6010	Total/NA
Barium	97		0.71		mg/Kg	1	☼	6010	Total/NA
Beryllium	0.45		0.28		mg/Kg	1	☼	6010	Total/NA
Chromium	21		0.71		mg/Kg	1	☼	6010	Total/NA
Copper	16		1.4		mg/Kg	1	☼	6010	Total/NA
Lead	5.3		0.71		mg/Kg	1	☼	6010	Total/NA
Nickel	13		1.4		mg/Kg	1	☼	6010	Total/NA
Vanadium	47		0.71		mg/Kg	1	☼	6010	Total/NA
Zinc	56		3.5		mg/Kg	1	☼	6010	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	79		4.5		mg/Kg	1	☼	CT ETPH	Total/NA

Client Sample ID: B-5 — Lab Sample ID: 360-42928-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	260		200		ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	490		200		ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	380		200		ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	470		200		ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	220		200		ug/Kg	1	☼	8270D	Total/NA
Chrysene	490		200		ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	900		200		ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	1000		200		ug/Kg	1	☼	8270D	Total/NA
Pyrene	1200		200		ug/Kg	1	☼	8270D	Total/NA
Arsenic	5.8		1.2		mg/Kg	1	☼	6010	Total/NA
Barium	120		0.61		mg/Kg	1	☼	6010	Total/NA
Beryllium	0.62		0.24		mg/Kg	1	☼	6010	Total/NA
Cadmium	0.34		0.24		mg/Kg	1	☼	6010	Total/NA

Client Sample ID: B-5 (Continued) — Lab Sample ID: 360-42928-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	16		0.61		mg/Kg	1	☼	6010	Total/NA
Copper	57		1.2		mg/Kg	1	☼	6010	Total/NA
Lead	220		0.61		mg/Kg	1	☼	6010	Total/NA
Nickel	15		1.2		mg/Kg	1	☼	6010	Total/NA
Vanadium	46		0.61		mg/Kg	1	☼	6010	Total/NA
Zinc	180		3.0		mg/Kg	1	☼	6010	Total/NA
Mercury	0.26		0.086		mg/Kg	1	☼	7471	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	130		3.9		mg/Kg	1	☼	CT ETPH	Total/NA

Client Sample ID: B-6 — Lab Sample ID: 360-42928-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	380		370		ug/Kg	2	☼	8270D	Total/NA
Fluoranthene	400		370		ug/Kg	2	☼	8270D	Total/NA
Pyrene	560		370		ug/Kg	2	☼	8270D	Total/NA
Arsenic	3.8		1.2		mg/Kg	1	☼	6010	Total/NA
Barium	95		0.58		mg/Kg	1	☼	6010	Total/NA
Beryllium	0.48		0.23		mg/Kg	1	☼	6010	Total/NA
Chromium	15		0.58		mg/Kg	1	☼	6010	Total/NA
Copper	16		1.2		mg/Kg	1	☼	6010	Total/NA
Lead	11		0.58		mg/Kg	1	☼	6010	Total/NA
Nickel	10		1.2		mg/Kg	1	☼	6010	Total/NA
Vanadium	29		0.58		mg/Kg	1	☼	6010	Total/NA
Zinc	38		2.9		mg/Kg	1	☼	6010	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	29		3.7		mg/Kg	1	☼	CT ETPH	Total/NA

Client Sample ID: B-7 — Lab Sample ID: 360-42928-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	630		360		ug/Kg	2	☼	8270D	Total/NA
Benzo[a]anthracene	1300		360		ug/Kg	2	☼	8270D	Total/NA
Benzo[a]pyrene	1500		360		ug/Kg	2	☼	8270D	Total/NA
Benzo[b]fluoranthene	1400		360		ug/Kg	2	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1500		360		ug/Kg	2	☼	8270D	Total/NA
Benzo[k]fluoranthene	840		380		ug/Kg	2	☼	8270D	Total/NA
Chrysene	1300		360		ug/Kg	2	☼	8270D	Total/NA
Fluoranthene	2600		360		ug/Kg	2	☼	8270D	Total/NA
Fluorene	470		360		ug/Kg	2	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1200		720		ug/Kg	2	☼	8270D	Total/NA
Naphthalene	590		360		ug/Kg	2	☼	8270D	Total/NA
Phenanthrene	2700		360		ug/Kg	2	☼	8270D	Total/NA
Pyrene	2400		360		ug/Kg	2	☼	8270D	Total/NA
Arsenic	3.4		1.1		mg/Kg	1	☼	6010	Total/NA
Barium	100		0.57		mg/Kg	1	☼	6010	Total/NA
Beryllium	0.63		0.23		mg/Kg	1	☼	6010	Total/NA
Cadmium	0.38		0.23		mg/Kg	1	☼	6010	Total/NA
Chromium	14		0.57		mg/Kg	1	☼	6010	Total/NA
Copper	60		1.1		mg/Kg	1	☼	6010	Total/NA
Lead	140		0.57		mg/Kg	1	☼	6010	Total/NA
Nickel	14		1.1		mg/Kg	1	☼	6010	Total/NA
Silver	1.2		0.57		mg/Kg	1	☼	6010	Total/NA

Client Sample ID: B-7 (Continued) — Lab Sample ID: 360-42928-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	27		0.57		mg/Kg	1	☼	6010	Total/NA
Zinc	130		2.9		mg/Kg	1	☼	6010	Total/NA
Mercury	0.44		0.078		mg/Kg	1	☼	7471	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	1500		35		mg/Kg	10	☼	CT ETPH	Total/NA

Client Sample ID: B-8 — Lab Sample ID: 360-42928-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.6		1.5		mg/Kg	1	☼	6010	Total/NA
Barium	160		0.75		mg/Kg	1	☼	6010	Total/NA
Beryllium	0.50		0.30		mg/Kg	1	☼	6010	Total/NA
Chromium	22		0.75		mg/Kg	1	☼	6010	Total/NA
Copper	11		1.5		mg/Kg	1	☼	6010	Total/NA
Lead	5.0		0.75		mg/Kg	1	☼	6010	Total/NA
Nickel	9.9		1.5		mg/Kg	1	☼	6010	Total/NA
Vanadium	42		0.75		mg/Kg	1	☼	6010	Total/NA
Zinc	40		3.8		mg/Kg	1	☼	6010	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	93		4.8		mg/Kg	1	☼	CT ETPH	Total/NA

Client Sample ID: B-9 — Lab Sample ID: 360-42928-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	680		190		ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	730		190		ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	770		190		ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	530		190		ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	480		210		ug/Kg	1	☼	8270D	Total/NA
Chrysene	670		190		ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	1100		190		ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	480		390		ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	350		190		ug/Kg	1	☼	8270D	Total/NA
Pyrene	1400		190		ug/Kg	1	☼	8270D	Total/NA
Arsenic	3.2		1.2		mg/Kg	1	☼	6010	Total/NA
Barium	57		0.62		mg/Kg	1	☼	6010	Total/NA
Beryllium	0.54		0.25		mg/Kg	1	☼	6010	Total/NA
Chromium	18		0.62		mg/Kg	1	☼	6010	Total/NA
Copper	29		1.2		mg/Kg	1	☼	6010	Total/NA
Lead	16		0.62		mg/Kg	1	☼	6010	Total/NA
Nickel	13		1.2		mg/Kg	1	☼	6010	Total/NA
Vanadium	38		0.62		mg/Kg	1	☼	6010	Total/NA
Zinc	45		3.1		mg/Kg	1	☼	6010	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	18		3.8		mg/Kg	1	☼	CT ETPH	Total/NA

Client Sample ID: B-10 — Lab Sample ID: 360-42928-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.9		1.3		mg/Kg	1	☼	6010	Total/NA
Barium	120		0.66		mg/Kg	1	☼	6010	Total/NA
Beryllium	0.62		0.26		mg/Kg	1	☼	6010	Total/NA
Chromium	27		0.66		mg/Kg	1	☼	6010	Total/NA

Client Sample ID: B-10 (Continued) — Lab Sample ID: 360-42928-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	18		1.3		mg/Kg	1	☼	6010	Total/NA
Lead	12		0.66		mg/Kg	1	☼	6010	Total/NA
Nickel	13		1.3		mg/Kg	1	☼	6010	Total/NA
Vanadium	56		0.66		mg/Kg	1	☼	6010	Total/NA
Zinc	63		3.3		mg/Kg	1	☼	6010	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	27		4.1		mg/Kg	1	☼	CT ETPH	Total/NA

Client Sample ID: B-6 DUP — Lab Sample ID: 360-42928-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	220		190		ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	200		190		ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	200		190		ug/Kg	1	☼	8270D	Total/NA
Chrysene	220		190		ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	260		190		ug/Kg	1	☼	8270D	Total/NA
Pyrene	350		190		ug/Kg	1	☼	8270D	Total/NA
Arsenic	4.3		1.2		mg/Kg	1	☼	6010	Total/NA
Barium	100		0.58		mg/Kg	1	☼	6010	Total/NA
Beryllium	0.43		0.23		mg/Kg	1	☼	6010	Total/NA
Chromium	15		0.58		mg/Kg	1	☼	6010	Total/NA
Copper	27		1.2		mg/Kg	1	☼	6010	Total/NA
Lead	54		0.58		mg/Kg	1	☼	6010	Total/NA
Nickel	9.7		1.2		mg/Kg	1	☼	6010	Total/NA
Vanadium	30		0.58		mg/Kg	1	☼	6010	Total/NA
Zinc	200		2.9		mg/Kg	1	☼	6010	Total/NA
Mercury	0.36		0.082		mg/Kg	1	☼	7471	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
CT ETPH	62		3.7		mg/Kg	1	☼	CT ETPH	Total/NA

Client Sample ID: MW-1 — Lab Sample ID: 360-42928-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.6		1.0		ug/L	1		6020	Dissolved
Barium	340		5.0		ug/L	5		6020	Dissolved
Chromium	22		1.0		ug/L	1		6020	Dissolved
Copper	1.1		1.0		ug/L	1		6020	Dissolved
Nickel	1.4		1.0		ug/L	1		6020	Dissolved
Vanadium	6.1		1.0		ug/L	1		6020	Dissolved
Zinc	3.8		2.5		ug/L	1		6020	Dissolved

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
C9-C36	0.42		0.098		mg/L	1		CT ETPH	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 360-42928-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.23		0.19		ug/L	1		8270	Total/NA
Arsenic	1.6		1.0		ug/L	1		6020	Dissolved
Barium	310		5.0		ug/L	5		6020	Dissolved
Chromium	17		5.0		ug/L	5		6020	Dissolved
Copper	2.1		1.0		ug/L	1		6020	Dissolved
Lead	1.8		1.0		ug/L	1		6020	Dissolved
Vanadium	6.8		5.0		ug/L	5		6020	Dissolved

Detection Summary

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Client Sample ID: MW-2 (Continued) — Lab Sample ID: 360-42928-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	6.9		2.5		ug/L	1		6020	Dissolved

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
C9-C36	0.33		0.095		mg/L	1		CT ETPH	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 360-42928-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.6		1.0		ug/L	1		6020	Dissolved
Barium	270		5.0		ug/L	5		6020	Dissolved
Chromium	16		5.0		ug/L	5		6020	Dissolved
Copper	2.8		1.0		ug/L	1		6020	Dissolved
Lead	1.0		1.0		ug/L	1		6020	Dissolved
Vanadium	9.6		5.0		ug/L	5		6020	Dissolved
Zinc	7.0		2.5		ug/L	1		6020	Dissolved

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
C9-C36	0.27		0.097		mg/L	1		CT ETPH	Total/NA

Client Sample ID: MW-2 DUP — Lab Sample ID: 360-42928-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.23		0.19		ug/L	1		8270	Total/NA
Arsenic	1.6		1.0		ug/L	1		6020	Dissolved
Barium	350		5.0		ug/L	5		6020	Dissolved
Chromium	18		5.0		ug/L	5		6020	Dissolved
Copper	5.9		1.0		ug/L	1		6020	Dissolved
Lead	12		1.0		ug/L	1		6020	Dissolved
Vanadium	12		5.0		ug/L	5		6020	Dissolved
Zinc	12		2.5		ug/L	1		6020	Dissolved

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
C9-C36	0.22		0.094		mg/L	1		CT ETPH	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 360-42928-14

No Detections

Method Summary

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds (GC/MS)	SW846	TAL WFD
8270	Semivolatile Compounds (GC/MS) Low level	CTRCP	TAL WFD
8270D	Semivolatile Compounds (GC/MS)	SW846	TAL WFD
8082A	Polychlorinated Biphenyls (PCBs) by GC	SW846	TAL WFD
CT ETPH	Connecticut - Extractable Total petroleum Hydrocarbons (GC)	STATE	TAL WFD
6010	Metals (ICP)	SW846	TAL WFD
6020	Metals (ICP/MS)	SW846	TAL WFD
7470A	Mercury (CVAA)	SW846	TAL WFD
7471	Mercury (CVAA)	SW846	TAL WFD
Moisture	Percent Moisture	EPA	TAL WFD

Protocol References:

CTRCP = Connecticut Reasonable Confidence Protocols

EPA = US Environmental Protection Agency

STATE = State of Connecticut Department of Public Health

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

Laboratory References:

TAL WFD = TestAmerica Westfield, Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085, TEL (413)572-4000

Sample Summary

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
360-42928-1	B-3	Solid	09/20/12 13:45	09/22/12 11:20
360-42928-2	B-4	Solid	09/20/12 13:30	09/22/12 11:20
360-42928-3	B-5	Solid	09/20/12 14:20	09/22/12 11:20
360-42928-4	B-6	Solid	09/20/12 14:42	09/22/12 11:20
360-42928-5	B-7	Solid	09/20/12 10:00	09/22/12 11:20
360-42928-6	B-8	Solid	09/20/12 12:30	09/22/12 11:20
360-42928-7	B-9	Solid	09/20/12 11:15	09/22/12 11:20
360-42928-8	B-10	Solid	09/20/12 10:30	09/22/12 11:20
360-42928-9	B-6 DUP	Solid	09/20/12 14:42	09/22/12 11:20
360-42928-10	MW-1	Water	09/20/12 13:40	09/22/12 11:20
360-42928-11	MW-2	Water	09/20/12 14:35	09/22/12 11:20
360-42928-12	MW-3	Water	09/20/12 15:30	09/22/12 11:20
360-42928-13	MW-2 DUP	Water	09/20/12 14:35	09/22/12 11:20
360-42928-14	Trip Blank	Water	09/20/12 13:40	09/22/12 11:20

Method: 8260C - Volatile Organic Compounds (GC/MS)

Client Sample ID: MW-1
Date Collected: 09/20/12 13:40
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/12 17:17	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/12 17:17	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/27/12 17:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			09/27/12 17:17	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/12 17:17	1
1,1-Dichloroethane	ND		1.0		ug/L			09/27/12 17:17	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/12 17:17	1
1,1-Dichloropropene	ND		1.0		ug/L			09/27/12 17:17	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/27/12 17:17	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/12 17:17	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/27/12 17:17	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			09/27/12 17:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/27/12 17:17	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/12 17:17	1
1,2-Dichloroethane	ND		1.0		ug/L			09/27/12 17:17	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/12 17:17	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			09/27/12 17:17	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/27/12 17:17	1
1,3-Dichloropropane	ND		1.0		ug/L			09/27/12 17:17	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/12 17:17	1
2,2-Dichloropropane	ND		1.0		ug/L			09/27/12 17:17	1
2-Butanone (MEK)	ND	*	10		ug/L			09/27/12 17:17	1
2-Chlorotoluene	ND		1.0		ug/L			09/27/12 17:17	1
2-Hexanone	ND		10		ug/L			09/27/12 17:17	1
4-Chlorotoluene	ND		1.0		ug/L			09/27/12 17:17	1
4-Isopropyltoluene	ND		1.0		ug/L			09/27/12 17:17	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/27/12 17:17	1
Acetone	ND		50		ug/L			09/27/12 17:17	1
Acrylonitrile	ND		0.50		ug/L			09/27/12 17:17	1
Benzene	ND		1.0		ug/L			09/27/12 17:17	1
Bromobenzene	ND		1.0		ug/L			09/27/12 17:17	1
Bromoform	ND		1.0		ug/L			09/27/12 17:17	1
Bromomethane	ND		2.0		ug/L			09/27/12 17:17	1
Carbon disulfide	ND		10		ug/L			09/27/12 17:17	1
Carbon tetrachloride	ND		1.0		ug/L			09/27/12 17:17	1
Chlorobenzene	ND		1.0		ug/L			09/27/12 17:17	1
Chlorodibromomethane	ND		0.50		ug/L			09/27/12 17:17	1
Chloroethane	ND		2.0		ug/L			09/27/12 17:17	1
Chloroform	ND		1.0		ug/L			09/27/12 17:17	1
Chloromethane	ND		2.0		ug/L			09/27/12 17:17	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/27/12 17:17	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			09/27/12 17:17	1
Dibromomethane	ND		1.0		ug/L			09/27/12 17:17	1
Dichlorobromomethane	ND		0.50		ug/L			09/27/12 17:17	1
Dichlorodifluoromethane	ND		1.0		ug/L			09/27/12 17:17	1
Ethylbenzene	ND		1.0		ug/L			09/27/12 17:17	1
Ethylene Dibromide	ND		1.0		ug/L			09/27/12 17:17	1
Hexachlorobutadiene	ND		0.40		ug/L			09/27/12 17:17	1
Isopropylbenzene	ND		1.0		ug/L			09/27/12 17:17	1
m-Xylene & p-Xylene	ND		2.0		ug/L			09/27/12 17:17	1
Methyl tert-butyl ether	ND		1.0		ug/L			09/27/12 17:17	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-1 — **Lab Sample ID: 360-42928-10**
Date Collected: 09/20/12 13:40 — **Matrix: Water**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		2.0		ug/L			09/27/12 17:17	1
n-Butylbenzene	ND		1.0		ug/L			09/27/12 17:17	1
N-Propylbenzene	ND		1.0		ug/L			09/27/12 17:17	1
Naphthalene	ND		5.0		ug/L			09/27/12 17:17	1
o-Xylene	ND		1.0		ug/L			09/27/12 17:17	1
sec-Butylbenzene	ND		1.0		ug/L			09/27/12 17:17	1
Styrene	ND		1.0		ug/L			09/27/12 17:17	1
tert-Butylbenzene	ND		1.0		ug/L			09/27/12 17:17	1
Tetrachloroethene	ND		1.0		ug/L			09/27/12 17:17	1
Tetrahydrofuran	ND		10		ug/L			09/27/12 17:17	1
Toluene	ND		1.0		ug/L			09/27/12 17:17	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/12 17:17	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			09/27/12 17:17	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			09/27/12 17:17	1
Trichloroethene	ND		1.0		ug/L			09/27/12 17:17	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/12 17:17	1
Vinyl chloride	ND		0.50		ug/L			09/27/12 17:17	1
Xylenes, Total	ND		1.0		ug/L			09/27/12 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*09/27/12 17:17*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*09/27/12 17:17*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/27/12 17:17*	*1*

Client Sample ID: MW-2 — **Lab Sample ID: 360-42928-11**
Date Collected: 09/20/12 14:35 — **Matrix: Water**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/12 17:39	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/12 17:39	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/27/12 17:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			09/27/12 17:39	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/12 17:39	1
1,1-Dichloroethane	ND		1.0		ug/L			09/27/12 17:39	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/12 17:39	1
1,1-Dichloropropene	ND		1.0		ug/L			09/27/12 17:39	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/27/12 17:39	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/12 17:39	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/27/12 17:39	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			09/27/12 17:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/27/12 17:39	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/12 17:39	1
1,2-Dichloroethane	ND		1.0		ug/L			09/27/12 17:39	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/12 17:39	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			09/27/12 17:39	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/27/12 17:39	1
1,3-Dichloropropane	ND		1.0		ug/L			09/27/12 17:39	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/12 17:39	1
2,2-Dichloropropane	ND		1.0		ug/L			09/27/12 17:39	1
2-Butanone (MEK)	ND	*	10		ug/L			09/27/12 17:39	1
2-Chlorotoluene	ND		1.0		ug/L			09/27/12 17:39	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-2
Date Collected: 09/20/12 14:35
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		10		ug/L			09/27/12 17:39	1
4-Chlorotoluene	ND		1.0		ug/L			09/27/12 17:39	1
4-Isopropyltoluene	ND		1.0		ug/L			09/27/12 17:39	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/27/12 17:39	1
Acetone	ND		50		ug/L			09/27/12 17:39	1
Acrylonitrile	ND		0.50		ug/L			09/27/12 17:39	1
Benzene	ND		1.0		ug/L			09/27/12 17:39	1
Bromobenzene	ND		1.0		ug/L			09/27/12 17:39	1
Bromoform	ND		1.0		ug/L			09/27/12 17:39	1
Bromomethane	ND		2.0		ug/L			09/27/12 17:39	1
Carbon disulfide	ND		10		ug/L			09/27/12 17:39	1
Carbon tetrachloride	ND		1.0		ug/L			09/27/12 17:39	1
Chlorobenzene	ND		1.0		ug/L			09/27/12 17:39	1
Chlorodibromomethane	ND		0.50		ug/L			09/27/12 17:39	1
Chloroethane	ND		2.0		ug/L			09/27/12 17:39	1
Chloroform	ND		1.0		ug/L			09/27/12 17:39	1
Chloromethane	ND		2.0		ug/L			09/27/12 17:39	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/27/12 17:39	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			09/27/12 17:39	1
Dibromomethane	ND		1.0		ug/L			09/27/12 17:39	1
Dichlorobromomethane	ND		0.50		ug/L			09/27/12 17:39	1
Dichlorodifluoromethane	ND		1.0		ug/L			09/27/12 17:39	1
Ethylbenzene	ND		1.0		ug/L			09/27/12 17:39	1
Ethylene Dibromide	ND		1.0		ug/L			09/27/12 17:39	1
Hexachlorobutadiene	ND		0.40		ug/L			09/27/12 17:39	1
Isopropylbenzene	ND		1.0		ug/L			09/27/12 17:39	1
m-Xylene & p-Xylene	ND		2.0		ug/L			09/27/12 17:39	1
Methyl tert-butyl ether	ND		1.0		ug/L			09/27/12 17:39	1
Methylene Chloride	ND		2.0		ug/L			09/27/12 17:39	1
n-Butylbenzene	ND		1.0		ug/L			09/27/12 17:39	1
N-Propylbenzene	ND		1.0		ug/L			09/27/12 17:39	1
Naphthalene	ND		5.0		ug/L			09/27/12 17:39	1
o-Xylene	ND		1.0		ug/L			09/27/12 17:39	1
sec-Butylbenzene	ND		1.0		ug/L			09/27/12 17:39	1
Styrene	ND		1.0		ug/L			09/27/12 17:39	1
tert-Butylbenzene	ND		1.0		ug/L			09/27/12 17:39	1
Tetrachloroethene	ND		1.0		ug/L			09/27/12 17:39	1
Tetrahydrofuran	ND		10		ug/L			09/27/12 17:39	1
Toluene	ND		1.0		ug/L			09/27/12 17:39	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/12 17:39	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			09/27/12 17:39	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			09/27/12 17:39	1
Trichloroethene	ND		1.0		ug/L			09/27/12 17:39	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/12 17:39	1
Vinyl chloride	ND		0.50		ug/L			09/27/12 17:39	1
Xylenes, Total	ND		1.0		ug/L			09/27/12 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*09/27/12 17:39*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*09/27/12 17:39*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*09/27/12 17:39*	*1*

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method: 8260C - Volatile Organic Compounds (GC/MS)

Client Sample ID: MW-3
Date Collected: 09/20/12 15:30
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/12 18:00	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/12 18:00	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/27/12 18:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			09/27/12 18:00	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/12 18:00	1
1,1-Dichloroethane	ND		1.0		ug/L			09/27/12 18:00	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/12 18:00	1
1,1-Dichloropropene	ND		1.0		ug/L			09/27/12 18:00	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/27/12 18:00	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/12 18:00	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/27/12 18:00	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			09/27/12 18:00	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/27/12 18:00	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/12 18:00	1
1,2-Dichloroethane	ND		1.0		ug/L			09/27/12 18:00	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/12 18:00	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			09/27/12 18:00	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/27/12 18:00	1
1,3-Dichloropropane	ND		1.0		ug/L			09/27/12 18:00	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/12 18:00	1
2,2-Dichloropropane	ND		1.0		ug/L			09/27/12 18:00	1
2-Butanone (MEK)	ND	*	10		ug/L			09/27/12 18:00	1
2-Chlorotoluene	ND		1.0		ug/L			09/27/12 18:00	1
2-Hexanone	ND		10		ug/L			09/27/12 18:00	1
4-Chlorotoluene	ND		1.0		ug/L			09/27/12 18:00	1
4-Isopropyltoluene	ND		1.0		ug/L			09/27/12 18:00	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/27/12 18:00	1
Acetone	ND		50		ug/L			09/27/12 18:00	1
Acrylonitrile	ND		0.50		ug/L			09/27/12 18:00	1
Benzene	ND		1.0		ug/L			09/27/12 18:00	1
Bromobenzene	ND		1.0		ug/L			09/27/12 18:00	1
Bromoform	ND		1.0		ug/L			09/27/12 18:00	1
Bromomethane	ND		2.0		ug/L			09/27/12 18:00	1
Carbon disulfide	ND		10		ug/L			09/27/12 18:00	1
Carbon tetrachloride	ND		1.0		ug/L			09/27/12 18:00	1
Chlorobenzene	ND		1.0		ug/L			09/27/12 18:00	1
Chlorodibromomethane	ND		0.50		ug/L			09/27/12 18:00	1
Chloroethane	ND		2.0		ug/L			09/27/12 18:00	1
Chloroform	ND		1.0		ug/L			09/27/12 18:00	1
Chloromethane	ND		2.0		ug/L			09/27/12 18:00	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/27/12 18:00	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			09/27/12 18:00	1
Dibromomethane	ND		1.0		ug/L			09/27/12 18:00	1
Dichlorobromomethane	ND		0.50		ug/L			09/27/12 18:00	1
Dichlorodifluoromethane	ND		1.0		ug/L			09/27/12 18:00	1
Ethylbenzene	ND		1.0		ug/L			09/27/12 18:00	1
Ethylene Dibromide	ND		1.0		ug/L			09/27/12 18:00	1
Hexachlorobutadiene	ND		0.40		ug/L			09/27/12 18:00	1
Isopropylbenzene	ND		1.0		ug/L			09/27/12 18:00	1
m-Xylene & p-Xylene	ND		2.0		ug/L			09/27/12 18:00	1
Methyl tert-butyl ether	ND		1.0		ug/L			09/27/12 18:00	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-3 **Lab Sample ID: 360-42928-12**
Date Collected: 09/20/12 15:30 **Matrix: Water**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		2.0		ug/L			09/27/12 18:00	1
n-Butylbenzene	ND		1.0		ug/L			09/27/12 18:00	1
N-Propylbenzene	ND		1.0		ug/L			09/27/12 18:00	1
Naphthalene	ND		5.0		ug/L			09/27/12 18:00	1
o-Xylene	ND		1.0		ug/L			09/27/12 18:00	1
sec-Butylbenzene	ND		1.0		ug/L			09/27/12 18:00	1
Styrene	ND		1.0		ug/L			09/27/12 18:00	1
tert-Butylbenzene	ND		1.0		ug/L			09/27/12 18:00	1
Tetrachloroethene	ND		1.0		ug/L			09/27/12 18:00	1
Tetrahydrofuran	ND		10		ug/L			09/27/12 18:00	1
Toluene	ND		1.0		ug/L			09/27/12 18:00	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/12 18:00	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			09/27/12 18:00	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			09/27/12 18:00	1
Trichloroethene	ND		1.0		ug/L			09/27/12 18:00	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/12 18:00	1
Vinyl chloride	ND		0.50		ug/L			09/27/12 18:00	1
Xylenes, Total	ND		1.0		ug/L			09/27/12 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*09/27/12 18:00*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*09/27/12 18:00*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/27/12 18:00*	*1*

Client Sample ID: MW-2 DUP **Lab Sample ID: 360-42928-13**
Date Collected: 09/20/12 14:35 **Matrix: Water**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/12 18:22	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/12 18:22	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/27/12 18:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			09/27/12 18:22	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/12 18:22	1
1,1-Dichloroethane	ND		1.0		ug/L			09/27/12 18:22	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/12 18:22	1
1,1-Dichloropropene	ND		1.0		ug/L			09/27/12 18:22	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/27/12 18:22	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/12 18:22	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/27/12 18:22	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			09/27/12 18:22	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/27/12 18:22	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/12 18:22	1
1,2-Dichloroethane	ND		1.0		ug/L			09/27/12 18:22	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/12 18:22	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			09/27/12 18:22	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/27/12 18:22	1
1,3-Dichloropropane	ND		1.0		ug/L			09/27/12 18:22	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/12 18:22	1
2,2-Dichloropropane	ND		1.0		ug/L			09/27/12 18:22	1
2-Butanone (MEK)	ND	*	10		ug/L			09/27/12 18:22	1
2-Chlorotoluene	ND		1.0		ug/L			09/27/12 18:22	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: MW-2 DUP
Date Collected: 09/20/12 14:35
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		10		ug/L			09/27/12 18:22	1
4-Chlorotoluene	ND		1.0		ug/L			09/27/12 18:22	1
4-Isopropyltoluene	ND		1.0		ug/L			09/27/12 18:22	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/27/12 18:22	1
Acetone	ND		50		ug/L			09/27/12 18:22	1
Acrylonitrile	ND		0.50		ug/L			09/27/12 18:22	1
Benzene	ND		1.0		ug/L			09/27/12 18:22	1
Bromobenzene	ND		1.0		ug/L			09/27/12 18:22	1
Bromoform	ND		1.0		ug/L			09/27/12 18:22	1
Bromomethane	ND		2.0		ug/L			09/27/12 18:22	1
Carbon disulfide	ND		10		ug/L			09/27/12 18:22	1
Carbon tetrachloride	ND		1.0		ug/L			09/27/12 18:22	1
Chlorobenzene	ND		1.0		ug/L			09/27/12 18:22	1
Chlorodibromomethane	ND		0.50		ug/L			09/27/12 18:22	1
Chloroethane	ND		2.0		ug/L			09/27/12 18:22	1
Chloroform	ND		1.0		ug/L			09/27/12 18:22	1
Chloromethane	ND		2.0		ug/L			09/27/12 18:22	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/27/12 18:22	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			09/27/12 18:22	1
Dibromomethane	ND		1.0		ug/L			09/27/12 18:22	1
Dichlorobromomethane	ND		0.50		ug/L			09/27/12 18:22	1
Dichlorodifluoromethane	ND		1.0		ug/L			09/27/12 18:22	1
Ethylbenzene	ND		1.0		ug/L			09/27/12 18:22	1
Ethylene Dibromide	ND		1.0		ug/L			09/27/12 18:22	1
Hexachlorobutadiene	ND		0.40		ug/L			09/27/12 18:22	1
Isopropylbenzene	ND		1.0		ug/L			09/27/12 18:22	1
m-Xylene & p-Xylene	ND		2.0		ug/L			09/27/12 18:22	1
Methyl tert-butyl ether	ND		1.0		ug/L			09/27/12 18:22	1
Methylene Chloride	ND		2.0		ug/L			09/27/12 18:22	1
n-Butylbenzene	ND		1.0		ug/L			09/27/12 18:22	1
N-Propylbenzene	ND		1.0		ug/L			09/27/12 18:22	1
Naphthalene	ND		5.0		ug/L			09/27/12 18:22	1
o-Xylene	ND		1.0		ug/L			09/27/12 18:22	1
sec-Butylbenzene	ND		1.0		ug/L			09/27/12 18:22	1
Styrene	ND		1.0		ug/L			09/27/12 18:22	1
tert-Butylbenzene	ND		1.0		ug/L			09/27/12 18:22	1
Tetrachloroethene	ND		1.0		ug/L			09/27/12 18:22	1
Tetrahydrofuran	ND		10		ug/L			09/27/12 18:22	1
Toluene	ND		1.0		ug/L			09/27/12 18:22	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/12 18:22	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			09/27/12 18:22	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			09/27/12 18:22	1
Trichloroethene	ND		1.0		ug/L			09/27/12 18:22	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/12 18:22	1
Vinyl chloride	ND		0.50		ug/L			09/27/12 18:22	1
Xylenes, Total	ND		1.0		ug/L			09/27/12 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 130*		*09/27/12 18:22*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*09/27/12 18:22*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*09/27/12 18:22*	*1*

Method: 8260C - Volatile Organic Compounds (GC/MS)

Client Sample ID: Trip Blank
Date Collected: 09/20/12 13:40
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/12 18:43	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/12 18:43	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/27/12 18:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			09/27/12 18:43	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/12 18:43	1
1,1-Dichloroethane	ND		1.0		ug/L			09/27/12 18:43	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/12 18:43	1
1,1-Dichloropropene	ND		1.0		ug/L			09/27/12 18:43	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/27/12 18:43	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/12 18:43	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/27/12 18:43	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			09/27/12 18:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/27/12 18:43	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/12 18:43	1
1,2-Dichloroethane	ND		1.0		ug/L			09/27/12 18:43	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/12 18:43	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			09/27/12 18:43	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/27/12 18:43	1
1,3-Dichloropropane	ND		1.0		ug/L			09/27/12 18:43	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/12 18:43	1
2,2-Dichloropropane	ND		1.0		ug/L			09/27/12 18:43	1
2-Butanone (MEK)	ND	*	10		ug/L			09/27/12 18:43	1
2-Chlorotoluene	ND		1.0		ug/L			09/27/12 18:43	1
2-Hexanone	ND		10		ug/L			09/27/12 18:43	1
4-Chlorotoluene	ND		1.0		ug/L			09/27/12 18:43	1
4-Isopropyltoluene	ND		1.0		ug/L			09/27/12 18:43	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/27/12 18:43	1
Acetone	ND		50		ug/L			09/27/12 18:43	1
Acrylonitrile	ND		0.50		ug/L			09/27/12 18:43	1
Benzene	ND		1.0		ug/L			09/27/12 18:43	1
Bromobenzene	ND		1.0		ug/L			09/27/12 18:43	1
Bromoform	ND		1.0		ug/L			09/27/12 18:43	1
Bromomethane	ND		2.0		ug/L			09/27/12 18:43	1
Carbon disulfide	ND		10		ug/L			09/27/12 18:43	1
Carbon tetrachloride	ND		1.0		ug/L			09/27/12 18:43	1
Chlorobenzene	ND		1.0		ug/L			09/27/12 18:43	1
Chlorodibromomethane	ND		0.50		ug/L			09/27/12 18:43	1
Chloroethane	ND		2.0		ug/L			09/27/12 18:43	1
Chloroform	ND		1.0		ug/L			09/27/12 18:43	1
Chloromethane	ND		2.0		ug/L			09/27/12 18:43	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/27/12 18:43	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			09/27/12 18:43	1
Dibromomethane	ND		1.0		ug/L			09/27/12 18:43	1
Dichlorobromomethane	ND		0.50		ug/L			09/27/12 18:43	1
Dichlorodifluoromethane	ND		1.0		ug/L			09/27/12 18:43	1
Ethylbenzene	ND		1.0		ug/L			09/27/12 18:43	1
Ethylene Dibromide	ND		1.0		ug/L			09/27/12 18:43	1
Hexachlorobutadiene	ND		0.40		ug/L			09/27/12 18:43	1
Isopropylbenzene	ND		1.0		ug/L			09/27/12 18:43	1
m-Xylene & p-Xylene	ND		2.0		ug/L			09/27/12 18:43	1
Methyl tert-butyl ether	ND		1.0		ug/L			09/27/12 18:43	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: Trip Blank
Date Collected: 09/20/12 13:40
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		2.0		ug/L			09/27/12 18:43	1
n-Butylbenzene	ND		1.0		ug/L			09/27/12 18:43	1
N-Propylbenzene	ND		1.0		ug/L			09/27/12 18:43	1
Naphthalene	ND		5.0		ug/L			09/27/12 18:43	1
o-Xylene	ND		1.0		ug/L			09/27/12 18:43	1
sec-Butylbenzene	ND		1.0		ug/L			09/27/12 18:43	1
Styrene	ND		1.0		ug/L			09/27/12 18:43	1
tert-Butylbenzene	ND		1.0		ug/L			09/27/12 18:43	1
Tetrachloroethene	ND		1.0		ug/L			09/27/12 18:43	1
Tetrahydrofuran	ND		10		ug/L			09/27/12 18:43	1
Toluene	ND		1.0		ug/L			09/27/12 18:43	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/12 18:43	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			09/27/12 18:43	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			09/27/12 18:43	1
Trichloroethene	ND		1.0		ug/L			09/27/12 18:43	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/12 18:43	1
Vinyl chloride	ND		0.50		ug/L			09/27/12 18:43	1
Xylenes, Total	ND		1.0		ug/L			09/27/12 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 130*		*09/27/12 18:43*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*09/27/12 18:43*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*09/27/12 18:43*	*1*

Client Sample Results

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method: 8270D - Semivolatile Compounds (GC/MS)

Client Sample ID: B-3
Date Collected: 09/20/12 13:45
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-1
Matrix: Solid
Percent Solids: 89.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1
Acenaphthene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1
Anthracene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1
Benzo[a]anthracene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1
Benzo[a]pyrene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1
Acenaphthylene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1
Benzo[b]fluoranthene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1
Benzo[g,h,i]perylene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1
Benzo[k]fluoranthene	ND		200		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1
Chrysene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1
Dibenz(a,h)anthracene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1
Fluoranthene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1
Fluorene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1
Indeno[1,2,3-cd]pyrene	ND		370		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1
Naphthalene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1
Phenanthrene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1
Pyrene	**280**		190		ug/Kg	☼	09/26/12 12:41	09/26/12 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*59*		*30 - 130*	*09/26/12 12:41*	*09/26/12 17:25*	*1*
2-Fluorobiphenyl	*60*		*30 - 130*	*09/26/12 12:41*	*09/26/12 17:25*	*1*
Terphenyl-d14 (Surr)	*117*		*30 - 130*	*09/26/12 12:41*	*09/26/12 17:25*	*1*

Client Sample ID: B-4
Date Collected: 09/20/12 13:30
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-2
Matrix: Solid
Percent Solids: 72.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		450		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2
Acenaphthene	**490**		450		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2
Anthracene	**660**		450		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2
Benzo[a]anthracene	**870**		450		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2
Benzo[a]pyrene	**630**		450		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2
Acenaphthylene	ND		450		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2
Benzo[b]fluoranthene	**730**		450		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2
Benzo[g,h,i]perylene	ND		450		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2
Benzo[k]fluoranthene	ND		480		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2
Chrysene	**850**		450		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2
Dibenz(a,h)anthracene	ND		450		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2
Fluoranthene	**1700**		450		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2
Fluorene	ND		450		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2
Indeno[1,2,3-cd]pyrene	ND		900		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2
Naphthalene	ND		450		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2
Phenanthrene	**2600**		450		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2
Pyrene	**2200**		450		ug/Kg	☼	09/26/12 12:41	09/26/12 17:56	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*48*		*30 - 130*	*09/26/12 12:41*	*09/26/12 17:56*	*2*
2-Fluorobiphenyl	*58*		*30 - 130*	*09/26/12 12:41*	*09/26/12 17:56*	*2*
Terphenyl-d14 (Surr)	*97*		*30 - 130*	*09/26/12 12:41*	*09/26/12 17:56*	*2*

Client Sample Results

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method: 8270D - Semivolatile Compounds (GC/MS)

Client Sample ID: B-5
Date Collected: 09/20/12 14:20
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-3
Matrix: Solid
Percent Solids: 82.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		200		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1
Acenaphthene	ND		200		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1
Anthracene	**260**		200		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1
Benzo[a]anthracene	**490**		200		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1
Benzo[a]pyrene	**380**		200		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1
Acenaphthylene	ND		200		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1
Benzo[b]fluoranthene	**470**		200		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1
Benzo[g,h,i]perylene	**220**		200		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1
Benzo[k]fluoranthene	ND		210		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1
Chrysene	**490**		200		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1
Dibenz(a,h)anthracene	ND		200		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1
Fluoranthene	**900**		200		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1
Fluorene	ND		200		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1
Indeno[1,2,3-cd]pyrene	ND		400		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1
Naphthalene	ND		200		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1
Phenanthrene	**1000**		200		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1
Pyrene	**1200**		200		ug/Kg	☼	09/26/12 12:41	09/26/12 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*57*		*30 - 130*	*09/26/12 12:41*	*09/26/12 18:27*	*1*
2-Fluorobiphenyl	*64*		*30 - 130*	*09/26/12 12:41*	*09/26/12 18:27*	*1*
Terphenyl-d14 (Surr)	*116*		*30 - 130*	*09/26/12 12:41*	*09/26/12 18:27*	*1*

Client Sample ID: B-6
Date Collected: 09/20/12 14:42
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-4
Matrix: Solid
Percent Solids: 87.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		370		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2
Acenaphthene	ND		370		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2
Anthracene	ND		370		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2
Benzo[a]anthracene	**380**		370		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2
Benzo[a]pyrene	ND		370		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2
Acenaphthylene	ND		370		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2
Benzo[b]fluoranthene	ND		370		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2
Benzo[g,h,i]perylene	ND		370		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2
Benzo[k]fluoranthene	ND		400		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2
Chrysene	ND		370		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2
Dibenz(a,h)anthracene	ND		370		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2
Fluoranthene	**400**		370		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2
Fluorene	ND		370		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2
Indeno[1,2,3-cd]pyrene	ND		740		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2
Naphthalene	ND		370		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2
Phenanthrene	ND		370		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2
Pyrene	**560**		370		ug/Kg	☼	09/26/12 12:41	09/26/12 18:57	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*57*		*30 - 130*	*09/26/12 12:41*	*09/26/12 18:57*	*2*
2-Fluorobiphenyl	*63*		*30 - 130*	*09/26/12 12:41*	*09/26/12 18:57*	*2*
Terphenyl-d14 (Surr)	*107*		*30 - 130*	*09/26/12 12:41*	*09/26/12 18:57*	*2*

Client Sample Results

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method: 8270D - Semivolatile Compounds (GC/MS)

Client Sample ID: B-7
Date Collected: 09/20/12 10:00
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-5
Matrix: Solid
Percent Solids: 91.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		360		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2
Acenaphthene	ND		360		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2
Anthracene	**630**		360		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2
Benzo[a]anthracene	**1300**		360		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2
Benzo[a]pyrene	**1500**		360		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2
Acenaphthylene	ND		360		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2
Benzo[b]fluoranthene	**1400**		360		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2
Benzo[g,h,i]perylene	**1500**		360		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2
Benzo[k]fluoranthene	**840**		380		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2
Chrysene	**1300**		360		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2
Dibenz(a,h)anthracene	ND		360		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2
Fluoranthene	**2600**		360		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2
Fluorene	**470**		360		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2
Indeno[1,2,3-cd]pyrene	**1200**		720		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2
Naphthalene	**590**		360		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2
Phenanthrene	**2700**		360		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2
Pyrene	**2400**		360		ug/Kg	☼	09/26/12 12:41	09/27/12 22:22	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*61*		*30 - 130*	*09/26/12 12:41*	*09/27/12 22:22*	*2*
2-Fluorobiphenyl	*67*		*30 - 130*	*09/26/12 12:41*	*09/27/12 22:22*	*2*
Terphenyl-d14 (Surr)	*93*		*30 - 130*	*09/26/12 12:41*	*09/27/12 22:22*	*2*

Client Sample ID: B-8
Date Collected: 09/20/12 12:30
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-6
Matrix: Solid
Percent Solids: 68.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		240		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1
Acenaphthene	ND		240		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1
Anthracene	ND		240		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1
Benzo[a]anthracene	ND		240		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1
Benzo[a]pyrene	ND		240		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1
Acenaphthylene	ND		240		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1
Benzo[b]fluoranthene	ND		240		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1
Benzo[g,h,i]perylene	ND		240		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1
Benzo[k]fluoranthene	ND		250		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1
Chrysene	ND		240		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1
Dibenz(a,h)anthracene	ND		240		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1
Fluoranthene	ND		240		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1
Fluorene	ND		240		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1
Indeno[1,2,3-cd]pyrene	ND		480		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1
Naphthalene	ND		240		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1
Phenanthrene	ND		240		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1
Pyrene	ND		240		ug/Kg	☼	09/26/12 12:41	09/26/12 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*55*		*30 - 130*	*09/26/12 12:41*	*09/26/12 19:59*	*1*
2-Fluorobiphenyl	*64*		*30 - 130*	*09/26/12 12:41*	*09/26/12 19:59*	*1*
Terphenyl-d14 (Surr)	*104*		*30 - 130*	*09/26/12 12:41*	*09/26/12 19:59*	*1*

Client Sample Results

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method: 8270D - Semivolatile Compounds (GC/MS)

Client Sample ID: B-9 — **Lab Sample ID: 360-42928-7**
Date Collected: 09/20/12 11:15 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 84.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1
Acenaphthene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1
Anthracene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1
Benzo[a]anthracene	**680**		190		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1
Benzo[a]pyrene	**730**		190		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1
Acenaphthylene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1
Benzo[b]fluoranthene	**770**		190		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1
Benzo[g,h,i]perylene	**530**		190		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1
Benzo[k]fluoranthene	**480**		210		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1
Chrysene	**670**		190		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1
Dibenz(a,h)anthracene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1
Fluoranthene	**1100**		190		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1
Fluorene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1
Indeno[1,2,3-cd]pyrene	**480**		390		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1
Naphthalene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1
Phenanthrene	**350**		190		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1
Pyrene	**1400**		190		ug/Kg	☼	09/26/12 12:41	09/26/12 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*56*		*30 - 130*	*09/26/12 12:41*	*09/26/12 20:30*	*1*
2-Fluorobiphenyl	*53*		*30 - 130*	*09/26/12 12:41*	*09/26/12 20:30*	*1*
Terphenyl-d14 (Surr)	*105*		*30 - 130*	*09/26/12 12:41*	*09/26/12 20:30*	*1*

Client Sample ID: B-10 — **Lab Sample ID: 360-42928-8**
Date Collected: 09/20/12 10:30 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 79.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		210		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1
Acenaphthene	ND		210		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1
Anthracene	ND		210		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1
Benzo[a]anthracene	ND		210		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1
Benzo[a]pyrene	ND		210		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1
Acenaphthylene	ND		210		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1
Benzo[b]fluoranthene	ND		210		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1
Benzo[g,h,i]perylene	ND		210		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1
Benzo[k]fluoranthene	ND		220		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1
Chrysene	ND		210		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1
Dibenz(a,h)anthracene	ND		210		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1
Fluoranthene	ND		210		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1
Fluorene	ND		210		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1
Indeno[1,2,3-cd]pyrene	ND		410		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1
Naphthalene	ND		210		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1
Phenanthrene	ND		210		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1
Pyrene	ND		210		ug/Kg	☼	09/26/12 12:41	09/26/12 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*58*		*30 - 130*	*09/26/12 12:41*	*09/26/12 21:01*	*1*
2-Fluorobiphenyl	*55*		*30 - 130*	*09/26/12 12:41*	*09/26/12 21:01*	*1*
Terphenyl-d14 (Surr)	*106*		*30 - 130*	*09/26/12 12:41*	*09/26/12 21:01*	*1*

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method: 8270D - Semivolatile Compounds (GC/MS)

Client Sample ID: B-6 DUP
Date Collected: 09/20/12 14:42
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-9
Matrix: Solid
Percent Solids: 86.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1
Acenaphthene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1
Anthracene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1
Benzo[a]anthracene	**220**		190		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1
Benzo[a]pyrene	**200**		190		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1
Acenaphthylene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1
Benzo[b]fluoranthene	**200**		190		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1
Benzo[g,h,i]perylene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1
Benzo[k]fluoranthene	ND		200		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1
Chrysene	**220**		190		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1
Dibenz(a,h)anthracene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1
Fluoranthene	**260**		190		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1
Fluorene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1
Indeno[1,2,3-cd]pyrene	ND		380		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1
Naphthalene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1
Phenanthrene	ND		190		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1
Pyrene	**350**		190		ug/Kg	☼	09/26/12 12:41	09/26/12 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*56*		*30 - 130*	*09/26/12 12:41*	*09/26/12 21:31*	*1*
2-Fluorobiphenyl	*64*		*30 - 130*	*09/26/12 12:41*	*09/26/12 21:31*	*1*
Terphenyl-d14 (Surr)	*113*		*30 - 130*	*09/26/12 12:41*	*09/26/12 21:31*	*1*

Client Sample Results

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method: 8270 - Semivolatile Compounds (GC/MS) Low level

Client Sample ID: MW-1
Date Collected: 09/20/12 13:40
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 12:59	1
Acenaphthene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 12:59	1
Acenaphthylene	ND		0.29		ug/L		09/25/12 17:18	09/26/12 12:59	1
Anthracene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 12:59	1
Benzo[a]anthracene	ND		0.29		ug/L		09/25/12 17:18	09/26/12 12:59	1
Benzo[a]pyrene	ND		0.19		ug/L		09/25/12 17:18	09/26/12 12:59	1
Benzo[b]fluoranthene	ND		0.29		ug/L		09/25/12 17:18	09/26/12 12:59	1
Benzo[g,h,i]perylene	ND		0.48		ug/L		09/25/12 17:18	09/26/12 12:59	1
Benzo[k]fluoranthene	ND		0.29		ug/L		09/25/12 17:18	09/26/12 12:59	1
Chrysene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 12:59	1
Dibenz(a,h)anthracene	ND		0.48		ug/L		09/25/12 17:18	09/26/12 12:59	1
Fluoranthene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 12:59	1
Fluorene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 12:59	1
Indeno[1,2,3-cd]pyrene	ND		0.48		ug/L		09/25/12 17:18	09/26/12 12:59	1
Naphthalene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 12:59	1
Phenanthrene	ND		0.19		ug/L		09/25/12 17:18	09/26/12 12:59	1
Pyrene	ND		4.8		ug/L		09/25/12 17:18	09/26/12 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*30 - 130*	*09/25/12 17:18*	*09/26/12 12:59*	*1*
Nitrobenzene-d5	*74*		*30 - 130*	*09/25/12 17:18*	*09/26/12 12:59*	*1*
Terphenyl-d14	*132*	*X*	*30 - 130*	*09/25/12 17:18*	*09/26/12 12:59*	*1*

Client Sample ID: MW-2
Date Collected: 09/20/12 14:35
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 13:30	1
Acenaphthene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 13:30	1
Acenaphthylene	ND		0.28		ug/L		09/25/12 17:18	09/26/12 13:30	1
Anthracene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 13:30	1
Benzo[a]anthracene	ND		0.28		ug/L		09/25/12 17:18	09/26/12 13:30	1
Benzo[a]pyrene	ND		0.19		ug/L		09/25/12 17:18	09/26/12 13:30	1
Benzo[b]fluoranthene	ND		0.28		ug/L		09/25/12 17:18	09/26/12 13:30	1
Benzo[g,h,i]perylene	ND		0.47		ug/L		09/25/12 17:18	09/26/12 13:30	1
Benzo[k]fluoranthene	ND		0.28		ug/L		09/25/12 17:18	09/26/12 13:30	1
Chrysene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 13:30	1
Dibenz(a,h)anthracene	ND		0.47		ug/L		09/25/12 17:18	09/26/12 13:30	1
Fluoranthene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 13:30	1
Fluorene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 13:30	1
Indeno[1,2,3-cd]pyrene	ND		0.47		ug/L		09/25/12 17:18	09/26/12 13:30	1
Naphthalene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 13:30	1
Phenanthrene	**0.23**		0.19		ug/L		09/25/12 17:18	09/26/12 13:30	1
Pyrene	ND		4.7		ug/L		09/25/12 17:18	09/26/12 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*30 - 130*	*09/25/12 17:18*	*09/26/12 13:30*	*1*
Nitrobenzene-d5	*77*		*30 - 130*	*09/25/12 17:18*	*09/26/12 13:30*	*1*
Terphenyl-d14	*124*		*30 - 130*	*09/25/12 17:18*	*09/26/12 13:30*	*1*

Client Sample Results

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method: 8270 - Semivolatile Compounds (GC/MS) Low level

Client Sample ID: MW-3
Date Collected: 09/20/12 15:30
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 14:02	1
Acenaphthene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 14:02	1
Acenaphthylene	ND		0.28		ug/L		09/25/12 17:18	09/26/12 14:02	1
Anthracene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 14:02	1
Benzo[a]anthracene	ND		0.28		ug/L		09/25/12 17:18	09/26/12 14:02	1
Benzo[a]pyrene	ND		0.19		ug/L		09/25/12 17:18	09/26/12 14:02	1
Benzo[b]fluoranthene	ND		0.28		ug/L		09/25/12 17:18	09/26/12 14:02	1
Benzo[g,h,i]perylene	ND		0.47		ug/L		09/25/12 17:18	09/26/12 14:02	1
Benzo[k]fluoranthene	ND		0.28		ug/L		09/25/12 17:18	09/26/12 14:02	1
Chrysene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 14:02	1
Dibenz(a,h)anthracene	ND		0.47		ug/L		09/25/12 17:18	09/26/12 14:02	1
Fluoranthene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 14:02	1
Fluorene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 14:02	1
Indeno[1,2,3-cd]pyrene	ND		0.47		ug/L		09/25/12 17:18	09/26/12 14:02	1
Naphthalene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 14:02	1
Phenanthrene	ND		0.19		ug/L		09/25/12 17:18	09/26/12 14:02	1
Pyrene	ND		4.7		ug/L		09/25/12 17:18	09/26/12 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*30 - 130*	*09/25/12 17:18*	*09/26/12 14:02*	*1*
Nitrobenzene-d5	*75*		*30 - 130*	*09/25/12 17:18*	*09/26/12 14:02*	*1*
Terphenyl-d14	*125*		*30 - 130*	*09/25/12 17:18*	*09/26/12 14:02*	*1*

Client Sample ID: MW-2 DUP
Date Collected: 09/20/12 14:35
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 14:34	1
Acenaphthene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 14:34	1
Acenaphthylene	ND		0.28		ug/L		09/25/12 17:18	09/26/12 14:34	1
Anthracene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 14:34	1
Benzo[a]anthracene	ND		0.28		ug/L		09/25/12 17:18	09/26/12 14:34	1
Benzo[a]pyrene	ND		0.19		ug/L		09/25/12 17:18	09/26/12 14:34	1
Benzo[b]fluoranthene	ND		0.28		ug/L		09/25/12 17:18	09/26/12 14:34	1
Benzo[g,h,i]perylene	ND		0.47		ug/L		09/25/12 17:18	09/26/12 14:34	1
Benzo[k]fluoranthene	ND		0.28		ug/L		09/25/12 17:18	09/26/12 14:34	1
Chrysene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 14:34	1
Dibenz(a,h)anthracene	ND		0.47		ug/L		09/25/12 17:18	09/26/12 14:34	1
Fluoranthene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 14:34	1
Fluorene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 14:34	1
Indeno[1,2,3-cd]pyrene	ND		0.47		ug/L		09/25/12 17:18	09/26/12 14:34	1
Naphthalene	ND		0.95		ug/L		09/25/12 17:18	09/26/12 14:34	1
Phenanthrene	**0.23**		0.19		ug/L		09/25/12 17:18	09/26/12 14:34	1
Pyrene	ND		4.7		ug/L		09/25/12 17:18	09/26/12 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*30 - 130*	*09/25/12 17:18*	*09/26/12 14:34*	*1*
Nitrobenzene-d5	*75*		*30 - 130*	*09/25/12 17:18*	*09/26/12 14:34*	*1*
Terphenyl-d14	*130*		*30 - 130*	*09/25/12 17:18*	*09/26/12 14:34*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Client Sample ID: B-6 — **Lab Sample ID: 360-42928-4**
Date Collected: 09/20/12 14:42 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 87.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 00:31	1
PCB-1221	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 00:31	1
PCB-1232	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 00:31	1
PCB-1242	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 00:31	1
PCB-1248	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 00:31	1
PCB-1254	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 00:31	1
PCB-1260	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 00:31	1
PCB-1262	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 00:31	1
PCB-1268	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 00:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*30 - 150*	*09/24/12 14:17*	*09/25/12 00:31*	*1*
Tetrachloro-m-xylene	*79*		*30 - 150*	*09/24/12 14:17*	*09/25/12 00:31*	*1*
DCB Decachlorobiphenyl	*90*		*30 - 150*	*09/24/12 14:17*	*09/25/12 00:31*	*1*
DCB Decachlorobiphenyl	*78*		*30 - 150*	*09/24/12 14:17*	*09/25/12 00:31*	*1*

Client Sample ID: B-8 — **Lab Sample ID: 360-42928-6**
Date Collected: 09/20/12 12:30 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 68.7**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		140		ug/Kg	☼	09/24/12 14:17	09/25/12 00:53	1
PCB-1221	ND		140		ug/Kg	☼	09/24/12 14:17	09/25/12 00:53	1
PCB-1232	ND		140		ug/Kg	☼	09/24/12 14:17	09/25/12 00:53	1
PCB-1242	ND		140		ug/Kg	☼	09/24/12 14:17	09/25/12 00:53	1
PCB-1248	ND		140		ug/Kg	☼	09/24/12 14:17	09/25/12 00:53	1
PCB-1254	ND		140		ug/Kg	☼	09/24/12 14:17	09/25/12 00:53	1
PCB-1260	ND		140		ug/Kg	☼	09/24/12 14:17	09/25/12 00:53	1
PCB-1262	ND		140		ug/Kg	☼	09/24/12 14:17	09/25/12 00:53	1
PCB-1268	ND		140		ug/Kg	☼	09/24/12 14:17	09/25/12 00:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*30 - 150*	*09/24/12 14:17*	*09/25/12 00:53*	*1*
Tetrachloro-m-xylene	*77*		*30 - 150*	*09/24/12 14:17*	*09/25/12 00:53*	*1*
DCB Decachlorobiphenyl	*87*		*30 - 150*	*09/24/12 14:17*	*09/25/12 00:53*	*1*
DCB Decachlorobiphenyl	*72*		*30 - 150*	*09/24/12 14:17*	*09/25/12 00:53*	*1*

Client Sample ID: B-6 DUP — **Lab Sample ID: 360-42928-9**
Date Collected: 09/20/12 14:42 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 86.7**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 01:15	1
PCB-1221	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 01:15	1
PCB-1232	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 01:15	1
PCB-1242	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 01:15	1
PCB-1248	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 01:15	1
PCB-1254	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 01:15	1
PCB-1260	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 01:15	1
PCB-1262	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 01:15	1
PCB-1268	ND		110		ug/Kg	☼	09/24/12 14:17	09/25/12 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*30 - 150*	*09/24/12 14:17*	*09/25/12 01:15*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC (Continued)

Client Sample ID: B-6 DUP
Date Collected: 09/20/12 14:42
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-9
Matrix: Solid
Percent Solids: 86.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	85		30 - 150	09/24/12 14:17	09/25/12 01:15	1
DCB Decachlorobiphenyl	87		30 - 150	09/24/12 14:17	09/25/12 01:15	1
DCB Decachlorobiphenyl	82		30 - 150	09/24/12 14:17	09/25/12 01:15	1

Client Sample Results

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Client Sample ID: B-3 — **Lab Sample ID: 360-42928-1**
Date Collected: 09/20/12 13:45 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 89.3**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	150		3.7		mg/Kg	☼	09/25/12 11:58	09/26/12 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*52 - 109*	*09/25/12 11:58*	*09/26/12 13:44*	*1*

Client Sample ID: B-4 — **Lab Sample ID: 360-42928-2**
Date Collected: 09/20/12 13:30 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 72.3**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	79		4.5		mg/Kg	☼	09/25/12 11:58	09/26/12 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*68*		*52 - 109*	*09/25/12 11:58*	*09/26/12 14:16*	*1*

Client Sample ID: B-5 — **Lab Sample ID: 360-42928-3**
Date Collected: 09/20/12 14:20 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 82.7**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	130		3.9		mg/Kg	☼	09/25/12 11:58	09/26/12 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*62*		*52 - 109*	*09/25/12 11:58*	*09/26/12 14:48*	*1*

Client Sample ID: B-6 — **Lab Sample ID: 360-42928-4**
Date Collected: 09/20/12 14:42 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 87.6**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	29		3.7		mg/Kg	☼	09/25/12 11:58	09/26/12 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*74*		*52 - 109*	*09/25/12 11:58*	*09/26/12 15:20*	*1*

Client Sample ID: B-7 — **Lab Sample ID: 360-42928-5**
Date Collected: 09/20/12 10:00 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 91.8**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	1500		35		mg/Kg	☼	09/25/12 11:58	09/26/12 15:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*68*		*52 - 109*	*09/25/12 11:58*	*09/26/12 15:52*	*10*

Client Sample ID: B-8 — **Lab Sample ID: 360-42928-6**
Date Collected: 09/20/12 12:30 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 68.7**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	93		4.8		mg/Kg	☼	09/25/12 11:58	09/26/12 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*51*	*X*	*52 - 109*	*09/25/12 11:58*	*09/26/12 16:24*	*1*

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Client Sample ID: B-9 — **Lab Sample ID: 360-42928-7**
Date Collected: 09/20/12 11:15 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 84.6**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	18		3.8		mg/Kg	☼	09/25/12 11:58	09/26/12 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*71*		*52 - 109*	*09/25/12 11:58*	*09/26/12 16:56*	*1*

Client Sample ID: B-10 — **Lab Sample ID: 360-42928-8**
Date Collected: 09/20/12 10:30 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 79.3**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	27		4.1		mg/Kg	☼	09/25/12 11:58	09/26/12 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*68*		*52 - 109*	*09/25/12 11:58*	*09/26/12 17:28*	*1*

Client Sample ID: B-6 DUP — **Lab Sample ID: 360-42928-9**
Date Collected: 09/20/12 14:42 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 86.7**

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	62		3.7		mg/Kg	☼	09/25/12 11:58	09/26/12 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*52 - 109*	*09/25/12 11:58*	*09/26/12 18:00*	*1*

Client Sample ID: MW-1 — **Lab Sample ID: 360-42928-10**
Date Collected: 09/20/12 13:40 — **Matrix: Water**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C9-C36	0.42		0.098		mg/L		09/24/12 16:53	09/25/12 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*50 - 127*	*09/24/12 16:53*	*09/25/12 23:03*	*1*

Client Sample ID: MW-2 — **Lab Sample ID: 360-42928-11**
Date Collected: 09/20/12 14:35 — **Matrix: Water**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C9-C36	0.33		0.095		mg/L		09/24/12 16:53	09/25/12 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 127*	*09/24/12 16:53*	*09/25/12 23:35*	*1*

Client Sample ID: MW-3 — **Lab Sample ID: 360-42928-12**
Date Collected: 09/20/12 15:30 — **Matrix: Water**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C9-C36	0.27		0.097		mg/L		09/24/12 16:53	09/26/12 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 127*	*09/24/12 16:53*	*09/26/12 00:07*	*1*

Client Sample Results

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Client Sample ID: MW-2 DUP
Date Collected: 09/20/12 14:35
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-13
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C9-C36	0.22		0.094		mg/L		09/24/12 16:53	09/26/12 00:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 127*	*09/24/12 16:53*	*09/26/12 00:39*	*1*

Client Sample Results

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method: 6010 - Metals (ICP)

Client Sample ID: B-3 — **Lab Sample ID: 360-42928-1**
Date Collected: 09/20/12 13:45 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 89.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.1		mg/Kg	☼	09/25/12 08:25	09/25/12 16:46	2
Arsenic	**4.2**		2.3		mg/Kg	☼	09/25/12 08:25	09/25/12 16:46	2
Barium	**190**		1.1		mg/Kg	☼	09/25/12 08:25	09/25/12 16:46	2
Beryllium	ND		0.45		mg/Kg	☼	09/25/12 08:25	09/25/12 16:46	2
Cadmium	ND		0.45		mg/Kg	☼	09/25/12 08:25	09/25/12 16:46	2
Chromium	**13**		1.1		mg/Kg	☼	09/25/12 08:25	09/25/12 16:46	2
Copper	**120**		2.3		mg/Kg	☼	09/25/12 08:25	09/25/12 16:46	2
Lead	**78**		1.1		mg/Kg	☼	09/25/12 08:25	09/25/12 16:46	2
Nickel	**14**		2.3		mg/Kg	☼	09/25/12 08:25	09/25/12 16:46	2
Selenium	ND		1.1		mg/Kg	☼	09/25/12 08:25	09/25/12 16:46	2
Silver	ND		1.1		mg/Kg	☼	09/25/12 08:25	09/25/12 16:46	2
Thallium	ND		2.3		mg/Kg	☼	09/25/12 08:25	09/25/12 16:46	2
Vanadium	**48**		1.1		mg/Kg	☼	09/25/12 08:25	09/25/12 16:46	2
Zinc	**99**		5.7		mg/Kg	☼	09/25/12 08:25	09/25/12 16:46	2

Client Sample ID: B-4 — **Lab Sample ID: 360-42928-2**
Date Collected: 09/20/12 13:30 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 72.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.71		mg/Kg	☼	09/25/12 08:25	09/25/12 16:10	1
Arsenic	**3.8**		1.4		mg/Kg	☼	09/25/12 08:25	09/25/12 16:10	1
Barium	**97**		0.71		mg/Kg	☼	09/25/12 08:25	09/25/12 16:10	1
Beryllium	**0.45**		0.28		mg/Kg	☼	09/25/12 08:25	09/25/12 16:10	1
Cadmium	ND		0.28		mg/Kg	☼	09/25/12 08:25	09/25/12 16:10	1
Chromium	**21**		0.71		mg/Kg	☼	09/25/12 08:25	09/25/12 16:10	1
Copper	**16**		1.4		mg/Kg	☼	09/25/12 08:25	09/25/12 16:10	1
Lead	**5.3**		0.71		mg/Kg	☼	09/25/12 08:25	09/25/12 16:10	1
Nickel	**13**		1.4		mg/Kg	☼	09/25/12 08:25	09/25/12 16:10	1
Selenium	ND		0.71		mg/Kg	☼	09/25/12 08:25	09/25/12 16:10	1
Silver	ND		0.71		mg/Kg	☼	09/25/12 08:25	09/25/12 16:10	1
Thallium	ND		1.4		mg/Kg	☼	09/25/12 08:25	09/25/12 16:10	1
Vanadium	**47**		0.71		mg/Kg	☼	09/25/12 08:25	09/25/12 16:10	1
Zinc	**56**		3.5		mg/Kg	☼	09/25/12 08:25	09/25/12 16:10	1

Client Sample ID: B-5 — **Lab Sample ID: 360-42928-3**
Date Collected: 09/20/12 14:20 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 82.7**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.61		mg/Kg	☼	09/25/12 08:25	09/25/12 16:13	1
Arsenic	**5.8**		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:13	1
Barium	**120**		0.61		mg/Kg	☼	09/25/12 08:25	09/25/12 16:13	1
Beryllium	**0.62**		0.24		mg/Kg	☼	09/25/12 08:25	09/25/12 16:13	1
Cadmium	**0.34**		0.24		mg/Kg	☼	09/25/12 08:25	09/25/12 16:13	1
Chromium	**16**		0.61		mg/Kg	☼	09/25/12 08:25	09/25/12 16:13	1
Copper	**57**		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:13	1
Lead	**220**		0.61		mg/Kg	☼	09/25/12 08:25	09/25/12 16:13	1
Nickel	**15**		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:13	1
Selenium	ND		0.61		mg/Kg	☼	09/25/12 08:25	09/25/12 16:13	1
Silver	ND		0.61		mg/Kg	☼	09/25/12 08:25	09/25/12 16:13	1
Thallium	ND		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:13	1
Vanadium	**46**		0.61		mg/Kg	☼	09/25/12 08:25	09/25/12 16:13	1

Method: 6010 - Metals (ICP) (Continued)

Client Sample ID: B-5 — **Lab Sample ID: 360-42928-3**
Date Collected: 09/20/12 14:20 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 82.7**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**180**		3.0		mg/Kg	☼	09/25/12 08:25	09/25/12 16:13	1

Client Sample ID: B-6 — **Lab Sample ID: 360-42928-4**
Date Collected: 09/20/12 14:42 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 87.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.58		mg/Kg	☼	09/25/12 08:25	09/25/12 16:16	1
Arsenic	**3.8**		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:16	1
Barium	**95**		0.58		mg/Kg	☼	09/25/12 08:25	09/25/12 16:16	1
Beryllium	**0.48**		0.23		mg/Kg	☼	09/25/12 08:25	09/25/12 16:16	1
Cadmium	ND		0.23		mg/Kg	☼	09/25/12 08:25	09/25/12 16:16	1
Chromium	**15**		0.58		mg/Kg	☼	09/25/12 08:25	09/25/12 16:16	1
Copper	**16**		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:16	1
Lead	**11**		0.58		mg/Kg	☼	09/25/12 08:25	09/25/12 16:16	1
Nickel	**10**		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:16	1
Selenium	ND		0.58		mg/Kg	☼	09/25/12 08:25	09/25/12 16:16	1
Silver	ND		0.58		mg/Kg	☼	09/25/12 08:25	09/25/12 16:16	1
Thallium	ND		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:16	1
Vanadium	**29**		0.58		mg/Kg	☼	09/25/12 08:25	09/25/12 16:16	1
Zinc	**38**		2.9		mg/Kg	☼	09/25/12 08:25	09/25/12 16:16	1

Client Sample ID: B-7 — **Lab Sample ID: 360-42928-5**
Date Collected: 09/20/12 10:00 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 91.8**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.57		mg/Kg	☼	09/25/12 08:25	09/25/12 16:19	1
Arsenic	**3.4**		1.1		mg/Kg	☼	09/25/12 08:25	09/25/12 16:19	1
Barium	**100**		0.57		mg/Kg	☼	09/25/12 08:25	09/25/12 16:19	1
Beryllium	**0.63**		0.23		mg/Kg	☼	09/25/12 08:25	09/25/12 16:19	1
Cadmium	**0.38**		0.23		mg/Kg	☼	09/25/12 08:25	09/25/12 16:19	1
Chromium	**14**		0.57		mg/Kg	☼	09/25/12 08:25	09/25/12 16:19	1
Copper	**60**		1.1		mg/Kg	☼	09/25/12 08:25	09/25/12 16:19	1
Lead	**140**		0.57		mg/Kg	☼	09/25/12 08:25	09/25/12 16:19	1
Nickel	**14**		1.1		mg/Kg	☼	09/25/12 08:25	09/25/12 16:19	1
Selenium	ND		1.1		mg/Kg	☼	09/25/12 08:25	09/25/12 16:48	2
Silver	**1.2**		0.57		mg/Kg	☼	09/25/12 08:25	09/25/12 16:19	1
Thallium	ND		1.1		mg/Kg	☼	09/25/12 08:25	09/25/12 16:19	1
Vanadium	**27**		0.57		mg/Kg	☼	09/25/12 08:25	09/25/12 16:19	1
Zinc	**130**		2.9		mg/Kg	☼	09/25/12 08:25	09/25/12 16:19	1

Client Sample ID: B-8 — **Lab Sample ID: 360-42928-6**
Date Collected: 09/20/12 12:30 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 68.7**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.75		mg/Kg	☼	09/25/12 08:25	09/25/12 16:22	1
Arsenic	**3.6**		1.5		mg/Kg	☼	09/25/12 08:25	09/25/12 16:22	1
Barium	**160**		0.75		mg/Kg	☼	09/25/12 08:25	09/25/12 16:22	1
Beryllium	**0.50**		0.30		mg/Kg	☼	09/25/12 08:25	09/25/12 16:22	1
Cadmium	ND		0.30		mg/Kg	☼	09/25/12 08:25	09/25/12 16:22	1
Chromium	**22**		0.75		mg/Kg	☼	09/25/12 08:25	09/25/12 16:22	1
Copper	**11**		1.5		mg/Kg	☼	09/25/12 08:25	09/25/12 16:22	1
Lead	**5.0**		0.75		mg/Kg	☼	09/25/12 08:25	09/25/12 16:22	1

Method: 6010 - Metals (ICP) (Continued)

Client Sample ID: B-8 — **Lab Sample ID: 360-42928-6**
Date Collected: 09/20/12 12:30 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 68.7**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**9.9**		1.5		mg/Kg	☼	09/25/12 08:25	09/25/12 16:22	1
Selenium	ND		0.75		mg/Kg	☼	09/25/12 08:25	09/25/12 16:22	1
Silver	ND		0.75		mg/Kg	☼	09/25/12 08:25	09/25/12 16:22	1
Thallium	ND		1.5		mg/Kg	☼	09/25/12 08:25	09/25/12 16:22	1
Vanadium	**42**		0.75		mg/Kg	☼	09/25/12 08:25	09/25/12 16:22	1
Zinc	**40**		3.8		mg/Kg	☼	09/25/12 08:25	09/25/12 16:22	1

Client Sample ID: B-9 — **Lab Sample ID: 360-42928-7**
Date Collected: 09/20/12 11:15 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 84.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.62		mg/Kg	☼	09/25/12 08:25	09/25/12 16:24	1
Arsenic	**3.2**		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:24	1
Barium	**57**		0.62		mg/Kg	☼	09/25/12 08:25	09/25/12 16:24	1
Beryllium	**0.54**		0.25		mg/Kg	☼	09/25/12 08:25	09/25/12 16:24	1
Cadmium	ND		0.25		mg/Kg	☼	09/25/12 08:25	09/25/12 16:24	1
Chromium	**18**		0.62		mg/Kg	☼	09/25/12 08:25	09/25/12 16:24	1
Copper	**29**		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:24	1
Lead	**16**		0.62		mg/Kg	☼	09/25/12 08:25	09/25/12 16:24	1
Nickel	**13**		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:24	1
Selenium	ND		0.62		mg/Kg	☼	09/25/12 08:25	09/25/12 16:24	1
Silver	ND		0.62		mg/Kg	☼	09/25/12 08:25	09/25/12 16:24	1
Thallium	ND		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:24	1
Vanadium	**38**		0.62		mg/Kg	☼	09/25/12 08:25	09/25/12 16:24	1
Zinc	**45**		3.1		mg/Kg	☼	09/25/12 08:25	09/25/12 16:24	1

Client Sample ID: B-10 — **Lab Sample ID: 360-42928-8**
Date Collected: 09/20/12 10:30 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 79.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.66		mg/Kg	☼	09/25/12 08:25	09/25/12 16:27	1
Arsenic	**2.9**		1.3		mg/Kg	☼	09/25/12 08:25	09/25/12 16:27	1
Barium	**120**		0.66		mg/Kg	☼	09/25/12 08:25	09/25/12 16:27	1
Beryllium	**0.62**		0.26		mg/Kg	☼	09/25/12 08:25	09/25/12 16:27	1
Cadmium	ND		0.26		mg/Kg	☼	09/25/12 08:25	09/25/12 16:27	1
Chromium	**27**		0.66		mg/Kg	☼	09/25/12 08:25	09/25/12 16:27	1
Copper	**18**		1.3		mg/Kg	☼	09/25/12 08:25	09/25/12 16:27	1
Lead	**12**		0.66		mg/Kg	☼	09/25/12 08:25	09/25/12 16:27	1
Nickel	**13**		1.3		mg/Kg	☼	09/25/12 08:25	09/25/12 16:27	1
Selenium	ND		0.66		mg/Kg	☼	09/25/12 08:25	09/25/12 16:27	1
Silver	ND		0.66		mg/Kg	☼	09/25/12 08:25	09/25/12 16:27	1
Thallium	ND		1.3		mg/Kg	☼	09/25/12 08:25	09/25/12 16:27	1
Vanadium	**56**		0.66		mg/Kg	☼	09/25/12 08:25	09/25/12 16:27	1
Zinc	**63**		3.3		mg/Kg	☼	09/25/12 08:25	09/25/12 16:27	1

Client Sample ID: B-6 DUP — **Lab Sample ID: 360-42928-9**
Date Collected: 09/20/12 14:42 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 86.7**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.58		mg/Kg	☼	09/25/12 08:25	09/25/12 16:30	1
Arsenic	**4.3**		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:30	1
Barium	**100**		0.58		mg/Kg	☼	09/25/12 08:25	09/25/12 16:30	1

Client Sample Results

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method: 6010 - Metals (ICP) (Continued)

Client Sample ID: B-6 DUP
Date Collected: 09/20/12 14:42
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-9
Matrix: Solid
Percent Solids: 86.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.43**		0.23		mg/Kg	☼	09/25/12 08:25	09/25/12 16:30	1
Cadmium	ND		0.23		mg/Kg	☼	09/25/12 08:25	09/25/12 16:30	1
Chromium	**15**		0.58		mg/Kg	☼	09/25/12 08:25	09/25/12 16:30	1
Copper	**27**		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:30	1
Lead	**54**		0.58		mg/Kg	☼	09/25/12 08:25	09/25/12 16:30	1
Nickel	**9.7**		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:30	1
Selenium	ND		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:51	2
Silver	ND		0.58		mg/Kg	☼	09/25/12 08:25	09/25/12 16:30	1
Thallium	ND		1.2		mg/Kg	☼	09/25/12 08:25	09/25/12 16:30	1
Vanadium	**30**		0.58		mg/Kg	☼	09/25/12 08:25	09/25/12 16:30	1
Zinc	**200**		2.9		mg/Kg	☼	09/25/12 08:25	09/25/12 16:30	1

Method: 6020 - Metals (ICP/MS) - Dissolved

Client Sample ID: MW-1 — **Lab Sample ID: 360-42928-10**
Date Collected: 09/20/12 13:40 — **Matrix: Water**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0		ug/L			09/25/12 16:06	1
Arsenic	**9.6**		1.0		ug/L			09/25/12 16:06	1
Barium	**340**		5.0		ug/L			09/25/12 16:27	5
Beryllium	ND		1.0		ug/L			09/25/12 16:06	1
Cadmium	ND		1.0		ug/L			09/25/12 16:06	1
Chromium	**22**		1.0		ug/L			09/25/12 16:06	1
Copper	**1.1**		1.0		ug/L			09/25/12 16:06	1
Nickel	**1.4**		1.0		ug/L			09/25/12 16:06	1
Lead	ND		1.0		ug/L			09/25/12 16:06	1
Antimony	ND		1.0		ug/L			09/25/12 16:06	1
Selenium	ND		1.0		ug/L			09/25/12 16:06	1
Thallium	ND		1.0		ug/L			09/25/12 16:06	1
Vanadium	**6.1**		1.0		ug/L			09/25/12 16:06	1
Zinc	**3.8**		2.5		ug/L			09/25/12 16:06	1

Client Sample ID: MW-2 — **Lab Sample ID: 360-42928-11**
Date Collected: 09/20/12 14:35 — **Matrix: Water**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0		ug/L			09/25/12 16:15	1
Arsenic	**1.6**		1.0		ug/L			09/25/12 16:15	1
Barium	**310**		5.0		ug/L			09/25/12 16:34	5
Beryllium	ND		5.0		ug/L			09/25/12 16:34	5
Cadmium	ND		1.0		ug/L			09/25/12 16:15	1
Chromium	**17**		5.0		ug/L			09/25/12 16:34	5
Copper	**2.1**		1.0		ug/L			09/25/12 16:15	1
Nickel	ND		5.0		ug/L			09/25/12 16:34	5
Lead	**1.8**		1.0		ug/L			09/25/12 16:15	1
Antimony	ND		1.0		ug/L			09/25/12 16:15	1
Selenium	ND		1.0		ug/L			09/25/12 16:15	1
Thallium	ND		1.0		ug/L			09/25/12 16:15	1
Vanadium	**6.8**		5.0		ug/L			09/25/12 16:34	5
Zinc	**6.9**		2.5		ug/L			09/25/12 16:15	1

Client Sample ID: MW-3 — **Lab Sample ID: 360-42928-12**
Date Collected: 09/20/12 15:30 — **Matrix: Water**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0		ug/L			09/25/12 16:17	1
Arsenic	**2.6**		1.0		ug/L			09/25/12 16:17	1
Barium	**270**		5.0		ug/L			09/25/12 16:36	5
Beryllium	ND		5.0		ug/L			09/25/12 16:36	5
Cadmium	ND		1.0		ug/L			09/25/12 16:17	1
Chromium	**16**		5.0		ug/L			09/25/12 16:36	5
Copper	**2.8**		1.0		ug/L			09/25/12 16:17	1
Nickel	ND		5.0		ug/L			09/25/12 16:36	5
Lead	**1.0**		1.0		ug/L			09/25/12 16:17	1
Antimony	ND		1.0		ug/L			09/25/12 16:17	1
Selenium	ND		1.0		ug/L			09/25/12 16:17	1
Thallium	ND		1.0		ug/L			09/25/12 16:17	1
Vanadium	**9.6**		5.0		ug/L			09/25/12 16:36	5

Method: 6020 - Metals (ICP/MS) - Dissolved (Continued)

Client Sample ID: MW-3
Date Collected: 09/20/12 15:30
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**7.0**		2.5		ug/L			09/25/12 16:17	1

Client Sample ID: MW-2 DUP
Date Collected: 09/20/12 14:35
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0		ug/L			09/25/12 16:20	1
Arsenic	**1.6**		1.0		ug/L			09/25/12 16:43	1
Barium	**350**		5.0		ug/L			09/25/12 16:38	5
Beryllium	ND		5.0		ug/L			09/25/12 16:38	5
Cadmium	ND		1.0		ug/L			09/25/12 16:20	1
Chromium	**18**		5.0		ug/L			09/25/12 16:38	5
Copper	**5.9**		1.0		ug/L			09/25/12 16:43	1
Nickel	ND		5.0		ug/L			09/25/12 16:38	5
Lead	**12**		1.0		ug/L			09/25/12 16:20	1
Antimony	ND		1.0		ug/L			09/25/12 16:20	1
Selenium	ND		1.0		ug/L			09/25/12 16:43	1
Thallium	ND		1.0		ug/L			09/25/12 16:20	1
Vanadium	**12**		5.0		ug/L			09/25/12 16:38	5
Zinc	**12**		2.5		ug/L			09/25/12 16:43	1

Client Sample Results

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method: 7470A - Mercury (CVAA) - Dissolved

Client Sample ID: MW-1 — **Lab Sample ID: 360-42928-10**
Date Collected: 09/20/12 13:40 — **Matrix: Water**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20		ug/L		09/25/12 09:57	09/25/12 15:18	1

Client Sample ID: MW-2 — **Lab Sample ID: 360-42928-11**
Date Collected: 09/20/12 14:35 — **Matrix: Water**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20		ug/L		09/25/12 09:57	09/25/12 15:23	1

Client Sample ID: MW-3 — **Lab Sample ID: 360-42928-12**
Date Collected: 09/20/12 15:30 — **Matrix: Water**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20		ug/L		09/25/12 09:57	09/25/12 15:25	1

Client Sample ID: MW-2 DUP — **Lab Sample ID: 360-42928-13**
Date Collected: 09/20/12 14:35 — **Matrix: Water**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20		ug/L		09/25/12 09:57	09/25/12 15:27	1

Method: 7471 - Mercury (CVAA)

Client Sample ID: B-3 — **Lab Sample ID: 360-42928-1**
Date Collected: 09/20/12 13:45 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 89.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.19**		0.075		mg/Kg	☼	09/27/12 10:25	09/27/12 14:29	1

Client Sample ID: B-4 — **Lab Sample ID: 360-42928-2**
Date Collected: 09/20/12 13:30 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 72.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.095		mg/Kg	☼	09/27/12 10:25	09/27/12 14:30	1

Client Sample ID: B-5 — **Lab Sample ID: 360-42928-3**
Date Collected: 09/20/12 14:20 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 82.7**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.26**		0.086		mg/Kg	☼	09/27/12 10:25	09/27/12 14:32	1

Client Sample ID: B-6 — **Lab Sample ID: 360-42928-4**
Date Collected: 09/20/12 14:42 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 87.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.091		mg/Kg	☼	09/27/12 10:25	09/27/12 14:38	1

Client Sample ID: B-7 — **Lab Sample ID: 360-42928-5**
Date Collected: 09/20/12 10:00 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 91.8**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.44**		0.078		mg/Kg	☼	09/27/12 10:25	09/27/12 14:39	1

Client Sample ID: B-8 — **Lab Sample ID: 360-42928-6**
Date Collected: 09/20/12 12:30 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 68.7**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10		mg/Kg	☼	09/27/12 10:25	09/27/12 14:41	1

Client Sample ID: B-9 — **Lab Sample ID: 360-42928-7**
Date Collected: 09/20/12 11:15 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 84.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.084		mg/Kg	☼	09/27/12 10:25	09/27/12 14:43	1

Client Sample ID: B-10 — **Lab Sample ID: 360-42928-8**
Date Collected: 09/20/12 10:30 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 79.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10		mg/Kg	☼	09/27/12 10:25	09/27/12 14:44	1

Client Sample ID: B-6 DUP — **Lab Sample ID: 360-42928-9**
Date Collected: 09/20/12 14:42 — **Matrix: Solid**
Date Received: 09/22/12 11:20 — **Percent Solids: 86.7**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.36**		0.082		mg/Kg	☼	09/27/12 10:25	09/27/12 14:46	1

General Chemistry

Client Sample ID: B-3 — **Lab Sample ID: 360-42928-1**
Date Collected: 09/20/12 13:45 — **Matrix: Solid**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0		%			09/25/12 16:25	1
Percent Solids	89		1.0		%			09/25/12 16:25	1

Client Sample ID: B-4 — **Lab Sample ID: 360-42928-2**
Date Collected: 09/20/12 13:30 — **Matrix: Solid**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	28		1.0		%			09/25/12 16:25	1
Percent Solids	72		1.0		%			09/25/12 16:25	1

Client Sample ID: B-5 — **Lab Sample ID: 360-42928-3**
Date Collected: 09/20/12 14:20 — **Matrix: Solid**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0		%			09/25/12 16:25	1
Percent Solids	83		1.0		%			09/25/12 16:25	1

Client Sample ID: B-6 — **Lab Sample ID: 360-42928-4**
Date Collected: 09/20/12 14:42 — **Matrix: Solid**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0		%			09/25/12 16:25	1
Percent Solids	88		1.0		%			09/25/12 16:25	1

Client Sample ID: B-7 — **Lab Sample ID: 360-42928-5**
Date Collected: 09/20/12 10:00 — **Matrix: Solid**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.2		1.0		%			09/25/12 16:25	1
Percent Solids	92		1.0		%			09/25/12 16:25	1

Client Sample ID: B-8 — **Lab Sample ID: 360-42928-6**
Date Collected: 09/20/12 12:30 — **Matrix: Solid**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	31		1.0		%			09/25/12 16:25	1
Percent Solids	69		1.0		%			09/25/12 16:25	1

Client Sample ID: B-9 — **Lab Sample ID: 360-42928-7**
Date Collected: 09/20/12 11:15 — **Matrix: Solid**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0		%			09/25/12 16:25	1
Percent Solids	85		1.0		%			09/25/12 16:25	1

Client Sample ID: B-10 — **Lab Sample ID: 360-42928-8**
Date Collected: 09/20/12 10:30 — **Matrix: Solid**
Date Received: 09/22/12 11:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		1.0		%			09/25/12 16:25	1
Percent Solids	79		1.0		%			09/25/12 16:25	1

Client Sample Results

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

General Chemistry

Client Sample ID: B-6 DUP
Date Collected: 09/20/12 14:42
Date Received: 09/22/12 11:20

Lab Sample ID: 360-42928-9
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0		%			09/25/12 16:25	1
Percent Solids	87		1.0		%			09/25/12 16:25	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

GC/MS VOA

Analysis Batch: 95955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-10	MW-1	Total/NA	Water	8260C	
360-42928-10 MS	MW-1	Total/NA	Water	8260C	
360-42928-10 MSD	MW-1	Total/NA	Water	8260C	
360-42928-11	MW-2	Total/NA	Water	8260C	
360-42928-12	MW-3	Total/NA	Water	8260C	
360-42928-13	MW-2 DUP	Total/NA	Water	8260C	
360-42928-14	Trip Blank	Total/NA	Water	8260C	
LCS 360-95955/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 360-95955/4	Lab Control Sample Dup	Total/NA	Water	8260C	
MB 360-95955/6	Method Blank	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 95887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-10	MW-1	Total/NA	Water	3510C	
360-42928-11	MW-2	Total/NA	Water	3510C	
360-42928-12	MW-3	Total/NA	Water	3510C	
360-42928-13	MW-2 DUP	Total/NA	Water	3510C	
LCS 360-95887/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 360-95887/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 360-95887/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 95890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-10	MW-1	Total/NA	Water	8270	95887
360-42928-11	MW-2	Total/NA	Water	8270	95887
360-42928-12	MW-3	Total/NA	Water	8270	95887
360-42928-13	MW-2 DUP	Total/NA	Water	8270	95887
LCS 360-95887/2-A	Lab Control Sample	Total/NA	Water	8270	95887
LCSD 360-95887/3-A	Lab Control Sample Dup	Total/NA	Water	8270	95887
MB 360-95887/1-A	Method Blank	Total/NA	Water	8270	95887

Prep Batch: 95917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-1	B-3	Total/NA	Solid	3546	
360-42928-2	B-4	Total/NA	Solid	3546	
360-42928-3	B-5	Total/NA	Solid	3546	
360-42928-4	B-6	Total/NA	Solid	3546	
360-42928-5	B-7	Total/NA	Solid	3546	
360-42928-6	B-8	Total/NA	Solid	3546	
360-42928-7	B-9	Total/NA	Solid	3546	
360-42928-8	B-10	Total/NA	Solid	3546	
360-42928-9	B-6 DUP	Total/NA	Solid	3546	
LCS 360-95917/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 360-95917/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 360-95917/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 95921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-1	B-3	Total/NA	Solid	8270D	95917
360-42928-2	B-4	Total/NA	Solid	8270D	95917

GC/MS Semi VOA (Continued)

Analysis Batch: 95921 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-3	B-5	Total/NA	Solid	8270D	95917
360-42928-4	B-6	Total/NA	Solid	8270D	95917
360-42928-6	B-8	Total/NA	Solid	8270D	95917
360-42928-7	B-9	Total/NA	Solid	8270D	95917
360-42928-8	B-10	Total/NA	Solid	8270D	95917
360-42928-9	B-6 DUP	Total/NA	Solid	8270D	95917
LCS 360-95917/2-A	Lab Control Sample	Total/NA	Solid	8270D	95917
LCSD 360-95917/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	95917
MB 360-95917/1-A	Method Blank	Total/NA	Solid	8270D	95917

Analysis Batch: 95970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-5	B-7	Total/NA	Solid	8270D	95917

GC Semi VOA

Prep Batch: 95810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-4	B-6	Total/NA	Solid	3546	
360-42928-6	B-8	Total/NA	Solid	3546	
360-42928-9	B-6 DUP	Total/NA	Solid	3546	
LCS 360-95810/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 360-95810/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 360-95810/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 95833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-10	MW-1	Total/NA	Water	3510C	
360-42928-11	MW-2	Total/NA	Water	3510C	
360-42928-12	MW-3	Total/NA	Water	3510C	
360-42928-13	MW-2 DUP	Total/NA	Water	3510C	
LCS 360-95833/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 360-95833/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 360-95833/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 95835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-4	B-6	Total/NA	Solid	8082A	95810
360-42928-6	B-8	Total/NA	Solid	8082A	95810
360-42928-9	B-6 DUP	Total/NA	Solid	8082A	95810
LCS 360-95810/2-A	Lab Control Sample	Total/NA	Solid	8082A	95810
LCSD 360-95810/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	95810
MB 360-95810/1-A	Method Blank	Total/NA	Solid	8082A	95810

Analysis Batch: 95852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-10	MW-1	Total/NA	Water	CT ETPH	95833
360-42928-11	MW-2	Total/NA	Water	CT ETPH	95833
360-42928-12	MW-3	Total/NA	Water	CT ETPH	95833
360-42928-13	MW-2 DUP	Total/NA	Water	CT ETPH	95833
LCS 360-95833/2-A	Lab Control Sample	Total/NA	Water	CT ETPH	95833
LCSD 360-95833/3-A	Lab Control Sample Dup	Total/NA	Water	CT ETPH	95833

GC Semi VOA (Continued)

Analysis Batch: 95852 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 360-95833/1-A	Method Blank	Total/NA	Water	CT ETPH	95833

Prep Batch: 95860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-1	B-3	Total/NA	Solid	3546	
360-42928-2	B-4	Total/NA	Solid	3546	
360-42928-3	B-5	Total/NA	Solid	3546	
360-42928-4	B-6	Total/NA	Solid	3546	
360-42928-5	B-7	Total/NA	Solid	3546	
360-42928-6	B-8	Total/NA	Solid	3546	
360-42928-7	B-9	Total/NA	Solid	3546	
360-42928-8	B-10	Total/NA	Solid	3546	
360-42928-9	B-6 DUP	Total/NA	Solid	3546	
LCS 360-95860/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 360-95860/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 360-95860/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 95908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-1	B-3	Total/NA	Solid	CT ETPH	95860
360-42928-2	B-4	Total/NA	Solid	CT ETPH	95860
360-42928-3	B-5	Total/NA	Solid	CT ETPH	95860
360-42928-4	B-6	Total/NA	Solid	CT ETPH	95860
360-42928-5	B-7	Total/NA	Solid	CT ETPH	95860
360-42928-6	B-8	Total/NA	Solid	CT ETPH	95860
360-42928-7	B-9	Total/NA	Solid	CT ETPH	95860
360-42928-8	B-10	Total/NA	Solid	CT ETPH	95860
360-42928-9	B-6 DUP	Total/NA	Solid	CT ETPH	95860
LCS 360-95860/2-A	Lab Control Sample	Total/NA	Solid	CT ETPH	95860
LCSD 360-95860/3-A	Lab Control Sample Dup	Total/NA	Solid	CT ETPH	95860
MB 360-95860/1-A	Method Blank	Total/NA	Solid	CT ETPH	95860

Metals

Prep Batch: 95841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-1	B-3	Total/NA	Solid	3050B	
360-42928-2	B-4	Total/NA	Solid	3050B	
360-42928-3	B-5	Total/NA	Solid	3050B	
360-42928-4	B-6	Total/NA	Solid	3050B	
360-42928-5	B-7	Total/NA	Solid	3050B	
360-42928-6	B-8	Total/NA	Solid	3050B	
360-42928-7	B-9	Total/NA	Solid	3050B	
360-42928-8	B-10	Total/NA	Solid	3050B	
360-42928-9	B-6 DUP	Total/NA	Solid	3050B	
LCDSRM 360-95841/3-A LCDSF	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 360-95841/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 360-95841/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 95850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-10	MW-1	Dissolved	Water	7470A	

Metals (Continued)

Prep Batch: 95850 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-10 DU	MW-1	Dissolved	Water	7470A	
360-42928-10 MS	MW-1	Dissolved	Water	7470A	
360-42928-11	MW-2	Dissolved	Water	7470A	
360-42928-12	MW-3	Dissolved	Water	7470A	
360-42928-13	MW-2 DUP	Dissolved	Water	7470A	
LCS 360-95850/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 360-95850/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 360-95850/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 95876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-10	MW-1	Dissolved	Water	7470A	95850
360-42928-10 DU	MW-1	Dissolved	Water	7470A	95850
360-42928-10 MS	MW-1	Dissolved	Water	7470A	95850
360-42928-11	MW-2	Dissolved	Water	7470A	95850
360-42928-12	MW-3	Dissolved	Water	7470A	95850
360-42928-13	MW-2 DUP	Dissolved	Water	7470A	95850
LCS 360-95850/2-A	Lab Control Sample	Total/NA	Water	7470A	95850
LCSD 360-95850/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	95850
MB 360-95850/1-A	Method Blank	Total/NA	Water	7470A	95850

Analysis Batch: 95884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-10	MW-1	Dissolved	Water	6020	
360-42928-10	MW-1	Dissolved	Water	6020	
360-42928-11	MW-2	Dissolved	Water	6020	
360-42928-11	MW-2	Dissolved	Water	6020	
360-42928-12	MW-3	Dissolved	Water	6020	
360-42928-12	MW-3	Dissolved	Water	6020	
360-42928-13	MW-2 DUP	Dissolved	Water	6020	
360-42928-13	MW-2 DUP	Dissolved	Water	6020	
360-42928-13	MW-2 DUP	Dissolved	Water	6020	
LCS 360-95884/1	Lab Control Sample	Total/NA	Water	6020	
LCSD 360-95884/13	Lab Control Sample Dup	Total/NA	Water	6020	
MB 360-95884/2	Method Blank	Total/NA	Water	6020	

Analysis Batch: 95892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-1	B-3	Total/NA	Solid	6010	95841
360-42928-2	B-4	Total/NA	Solid	6010	95841
360-42928-3	B-5	Total/NA	Solid	6010	95841
360-42928-4	B-6	Total/NA	Solid	6010	95841
360-42928-5	B-7	Total/NA	Solid	6010	95841
360-42928-5	B-7	Total/NA	Solid	6010	95841
360-42928-6	B-8	Total/NA	Solid	6010	95841
360-42928-7	B-9	Total/NA	Solid	6010	95841
360-42928-8	B-10	Total/NA	Solid	6010	95841
360-42928-9	B-6 DUP	Total/NA	Solid	6010	95841
360-42928-9	B-6 DUP	Total/NA	Solid	6010	95841
LCDSRM 360-95841/3-A LCDSF	Lab Control Sample Dup	Total/NA	Solid	6010	95841
LCSSRM 360-95841/2-A	Lab Control Sample	Total/NA	Solid	6010	95841
MB 360-95841/1-A	Method Blank	Total/NA	Solid	6010	95841

Metals (Continued)

Prep Batch: 95957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-1	B-3	Total/NA	Solid	7471B	
360-42928-2	B-4	Total/NA	Solid	7471B	
360-42928-3	B-5	Total/NA	Solid	7471B	
360-42928-4	B-6	Total/NA	Solid	7471B	
360-42928-5	B-7	Total/NA	Solid	7471B	
360-42928-6	B-8	Total/NA	Solid	7471B	
360-42928-7	B-9	Total/NA	Solid	7471B	
360-42928-8	B-10	Total/NA	Solid	7471B	
360-42928-9	B-6 DUP	Total/NA	Solid	7471B	
LCDSRM 360-95957/3-A LCDSF	Lab Control Sample Dup	Total/NA	Solid	7471B	
LCSSRM 360-95957/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 360-95957/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 95976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-1	B-3	Total/NA	Solid	7471	95957
360-42928-2	B-4	Total/NA	Solid	7471	95957
360-42928-3	B-5	Total/NA	Solid	7471	95957
360-42928-4	B-6	Total/NA	Solid	7471	95957
360-42928-5	B-7	Total/NA	Solid	7471	95957
360-42928-6	B-8	Total/NA	Solid	7471	95957
360-42928-7	B-9	Total/NA	Solid	7471	95957
360-42928-8	B-10	Total/NA	Solid	7471	95957
360-42928-9	B-6 DUP	Total/NA	Solid	7471	95957
LCDSRM 360-95957/3-A LCDSF	Lab Control Sample Dup	Total/NA	Solid	7471	95957
LCSSRM 360-95957/2-A	Lab Control Sample	Total/NA	Solid	7471	95957
MB 360-95957/1-A	Method Blank	Total/NA	Solid	7471	95957

General Chemistry

Analysis Batch: 95879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42928-1	B-3	Total/NA	Solid	Moisture	
360-42928-2	B-4	Total/NA	Solid	Moisture	
360-42928-3	B-5	Total/NA	Solid	Moisture	
360-42928-4	B-6	Total/NA	Solid	Moisture	
360-42928-5	B-7	Total/NA	Solid	Moisture	
360-42928-6	B-8	Total/NA	Solid	Moisture	
360-42928-7	B-9	Total/NA	Solid	Moisture	
360-42928-8	B-10	Total/NA	Solid	Moisture	
360-42928-9	B-6 DUP	Total/NA	Solid	Moisture	
360-42928-9 DU	B-6 DUP	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method: 8260C - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
360-42928-10	MW-1	95	102	95
360-42928-10 MS	MW-1	89	101	99
360-42928-10 MSD	MW-1	91	100	98
360-42928-11	MW-2	95	101	94
360-42928-12	MW-3	95	100	95
360-42928-13	MW-2 DUP	96	102	96
360-42928-14	Trip Blank	96	103	97
LCS 360-95955/3	Lab Control Sample	97	97	100
LCSD 360-95955/4	Lab Control Sample Dup	95	96	100
MB 360-95955/6	Method Blank	96	100	98

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270 - Semivolatile Compounds (GC/MS) Low level

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPH
Lab Sample ID	Client Sample ID	(30-130)	(30-130)	(30-130)
360-42928-10	MW-1	81	74	132 X
360-42928-11	MW-2	83	77	124
360-42928-12	MW-3	82	75	125
360-42928-13	MW-2 DUP	80	75	130
LCS 360-95887/2-A	Lab Control Sample	92	79	128
LCSD 360-95887/3-A	Lab Control Sample Dup	93	77	130
MB 360-95887/1-A	Method Blank	84	79	114

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPH = Terphenyl-d14

Method: 8270D - Semivolatile Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	FBP	TPH
Lab Sample ID	Client Sample ID	(30-130)	(30-130)	(30-130)
360-42928-1	B-3	59	60	117
360-42928-2	B-4	48	58	97
360-42928-3	B-5	57	64	116
360-42928-4	B-6	57	63	107
360-42928-5	B-7	61	67	93
360-42928-6	B-8	55	64	104
360-42928-7	B-9	56	53	105
360-42928-8	B-10	58	55	106
360-42928-9	B-6 DUP	56	64	113
LCS 360-95917/2-A	Lab Control Sample	65	74	92

Surrogate Summary

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method: 8270D - Semivolatile Compounds (GC/MS) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		NBZ	FBP	TPH
Lab Sample ID	Client Sample ID	(30-130)	(30-130)	(30-130)
LCSD 360-95917/3-A	Lab Control Sample Dup	62	67	91
MB 360-95917/1-A	Method Blank	67	51	102

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl
TPH = Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCB1	DCB2
Lab Sample ID	Client Sample ID	(30-150)	(30-150)	(30-150)	(30-150)
360-42928-4	B-6	80	79	90	78
360-42928-6	B-8	83	77	87	72
360-42928-9	B-6 DUP	84	85	87	82
LCS 360-95810/2-A	Lab Control Sample	90	95	89	93
LCSD 360-95810/3-A	Lab Control Sample Dup	85	88	86	92
MB 360-95810/1-A	Method Blank	87	86	71	73

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(52-109)
360-42928-1	B-3	75
360-42928-2	B-4	68
360-42928-3	B-5	62
360-42928-4	B-6	74
360-42928-5	B-7	68
360-42928-6	B-8	51 X
360-42928-7	B-9	71
360-42928-8	B-10	68
360-42928-9	B-6 DUP	85
LCS 360-95860/2-A	Lab Control Sample	79
LCSD 360-95860/3-A	Lab Control Sample Dup	79
MB 360-95860/1-A	Method Blank	80

Surrogate Legend

OTPH = o-Terphenyl

Surrogate Summary

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	**Client Sample ID**	**OTPH (50-127)**						
360-42928-10	MW-1	87						
360-42928-11	MW-2	81						
360-42928-12	MW-3	86						
360-42928-13	MW-2 DUP	86						
LCS 360-95833/2-A	Lab Control Sample	85						
LCSD 360-95833/3-A	Lab Control Sample Dup	84						
MB 360-95833/1-A	Method Blank	89						

Surrogate Legend

OTPH = o-Terphenyl

Method: 8260C - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 360-95955/6
Matrix: Water
Analysis Batch: 95955

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			09/27/12 11:27	1
1,1,1-Trichloroethane	ND		1.0		ug/L			09/27/12 11:27	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/27/12 11:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			09/27/12 11:27	1
1,1,2-Trichloroethane	ND		1.0		ug/L			09/27/12 11:27	1
1,1-Dichloroethane	ND		1.0		ug/L			09/27/12 11:27	1
1,1-Dichloroethene	ND		1.0		ug/L			09/27/12 11:27	1
1,1-Dichloropropene	ND		1.0		ug/L			09/27/12 11:27	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/27/12 11:27	1
1,2,3-Trichloropropane	ND		1.0		ug/L			09/27/12 11:27	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/27/12 11:27	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			09/27/12 11:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			09/27/12 11:27	1
1,2-Dichlorobenzene	ND		1.0		ug/L			09/27/12 11:27	1
1,2-Dichloroethane	ND		1.0		ug/L			09/27/12 11:27	1
1,2-Dichloropropane	ND		1.0		ug/L			09/27/12 11:27	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			09/27/12 11:27	1
1,3-Dichlorobenzene	ND		1.0		ug/L			09/27/12 11:27	1
1,3-Dichloropropane	ND		1.0		ug/L			09/27/12 11:27	1
1,4-Dichlorobenzene	ND		1.0		ug/L			09/27/12 11:27	1
2,2-Dichloropropane	ND		1.0		ug/L			09/27/12 11:27	1
2-Butanone (MEK)	ND		10		ug/L			09/27/12 11:27	1
2-Chlorotoluene	ND		1.0		ug/L			09/27/12 11:27	1
2-Hexanone	ND		10		ug/L			09/27/12 11:27	1
4-Chlorotoluene	ND		1.0		ug/L			09/27/12 11:27	1
4-Isopropyltoluene	ND		1.0		ug/L			09/27/12 11:27	1
4-Methyl-2-pentanone (MIBK)	ND		10		ug/L			09/27/12 11:27	1
Acetone	ND		50		ug/L			09/27/12 11:27	1
Acrylonitrile	ND		0.50		ug/L			09/27/12 11:27	1
Benzene	ND		1.0		ug/L			09/27/12 11:27	1
Bromobenzene	ND		1.0		ug/L			09/27/12 11:27	1
Bromoform	ND		1.0		ug/L			09/27/12 11:27	1
Bromomethane	ND		2.0		ug/L			09/27/12 11:27	1
Carbon disulfide	ND		10		ug/L			09/27/12 11:27	1
Carbon tetrachloride	ND		1.0		ug/L			09/27/12 11:27	1
Chlorobenzene	ND		1.0		ug/L			09/27/12 11:27	1
Chlorodibromomethane	ND		0.50		ug/L			09/27/12 11:27	1
Chloroethane	ND		2.0		ug/L			09/27/12 11:27	1
Chloroform	ND		1.0		ug/L			09/27/12 11:27	1
Chloromethane	ND		2.0		ug/L			09/27/12 11:27	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			09/27/12 11:27	1
cis-1,3-Dichloropropene	ND		0.40		ug/L			09/27/12 11:27	1
Dibromomethane	ND		1.0		ug/L			09/27/12 11:27	1
Dichlorobromomethane	ND		0.50		ug/L			09/27/12 11:27	1
Dichlorodifluoromethane	ND		1.0		ug/L			09/27/12 11:27	1
Ethylbenzene	ND		1.0		ug/L			09/27/12 11:27	1
Ethylene Dibromide	ND		1.0		ug/L			09/27/12 11:27	1
Hexachlorobutadiene	ND		0.40		ug/L			09/27/12 11:27	1
Isopropylbenzene	ND		1.0		ug/L			09/27/12 11:27	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-95955/6
Matrix: Water
Analysis Batch: 95955

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		2.0		ug/L			09/27/12 11:27	1
Methyl tert-butyl ether	ND		1.0		ug/L			09/27/12 11:27	1
Methylene Chloride	ND		2.0		ug/L			09/27/12 11:27	1
n-Butylbenzene	ND		1.0		ug/L			09/27/12 11:27	1
N-Propylbenzene	ND		1.0		ug/L			09/27/12 11:27	1
Naphthalene	ND		5.0		ug/L			09/27/12 11:27	1
o-Xylene	ND		1.0		ug/L			09/27/12 11:27	1
sec-Butylbenzene	ND		1.0		ug/L			09/27/12 11:27	1
Styrene	ND		1.0		ug/L			09/27/12 11:27	1
tert-Butylbenzene	ND		1.0		ug/L			09/27/12 11:27	1
Tetrachloroethene	ND		1.0		ug/L			09/27/12 11:27	1
Tetrahydrofuran	ND		10		ug/L			09/27/12 11:27	1
Toluene	ND		1.0		ug/L			09/27/12 11:27	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			09/27/12 11:27	1
trans-1,3-Dichloropropene	ND		0.40		ug/L			09/27/12 11:27	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/L			09/27/12 11:27	1
Trichloroethene	ND		1.0		ug/L			09/27/12 11:27	1
Trichlorofluoromethane	ND		1.0		ug/L			09/27/12 11:27	1
Vinyl chloride	ND		0.50		ug/L			09/27/12 11:27	1
Xylenes, Total	ND		1.0		ug/L			09/27/12 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 130*		*09/27/12 11:27*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*09/27/12 11:27*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*09/27/12 11:27*	*1*

Lab Sample ID: LCS 360-95955/3
Matrix: Water
Analysis Batch: 95955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	20.9		ug/L		104	70 - 130
1,1,1-Trichloroethane	20.0	21.1		ug/L		105	70 - 130
1,1,2,2-Tetrachloroethane	20.0	16.9		ug/L		85	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroetha ne	20.0	19.2		ug/L		96	70 - 130
1,1,2-Trichloroethane	20.0	19.0		ug/L		95	70 - 130
1,1-Dichloroethane	20.0	20.4		ug/L		102	70 - 130
1,1-Dichloroethene	20.0	18.6		ug/L		93	70 - 130
1,1-Dichloropropene	20.0	20.5		ug/L		102	70 - 130
1,2,3-Trichlorobenzene	20.0	15.7		ug/L		78	70 - 130
1,2,3-Trichloropropane	20.0	18.1		ug/L		91	70 - 130
1,2,4-Trichlorobenzene	20.0	18.0		ug/L		90	70 - 130
1,2,4-Trimethylbenzene	20.0	19.5		ug/L		97	70 - 130
1,2-Dibromo-3-Chloropropane	20.0	18.7		ug/L		93	70 - 130
1,2-Dichlorobenzene	20.0	19.0		ug/L		95	70 - 130
1,2-Dichloroethane	20.0	18.8		ug/L		94	70 - 130
1,2-Dichloropropane	20.0	18.9		ug/L		94	70 - 130
1,3,5-Trimethylbenzene	20.0	19.2		ug/L		96	70 - 130
1,3-Dichlorobenzene	20.0	19.5		ug/L		97	70 - 130

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-95955/3
Matrix: Water
Analysis Batch: 95955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	20.0	19.7		ug/L		98	70 - 130
1,4-Dichlorobenzene	20.0	19.0		ug/L		95	70 - 130
2,2-Dichloropropane	20.0	19.7		ug/L		99	70 - 130
2-Butanone (MEK)	200	128	*	ug/L		64	70 - 130
2-Chlorotoluene	20.0	18.1		ug/L		91	70 - 130
2-Hexanone	200	149		ug/L		74	70 - 130
4-Chlorotoluene	20.0	18.8		ug/L		94	70 - 130
4-Isopropyltoluene	20.0	20.8		ug/L		104	70 - 130
4-Methyl-2-pentanone (MIBK)	200	157		ug/L		79	70 - 130
Acetone	200	173		ug/L		87	70 - 130
Acrylonitrile	20.0	18.6		ug/L		93	70 - 130
Benzene	20.0	20.0		ug/L		100	70 - 130
Bromobenzene	20.0	18.3		ug/L		91	70 - 130
Bromoform	20.0	18.9		ug/L		95	70 - 130
Bromomethane	20.0	19.7		ug/L		99	70 - 130
Carbon disulfide	20.0	22.4		ug/L		112	70 - 130
Carbon tetrachloride	20.0	22.4		ug/L		112	70 - 130
Chlorobenzene	20.0	19.9		ug/L		99	70 - 130
Chlorodibromomethane	20.0	19.2		ug/L		96	70 - 130
Chloroethane	20.0	17.4		ug/L		87	70 - 130
Chloroform	20.0	19.3		ug/L		97	70 - 130
Chloromethane	20.0	20.6		ug/L		103	70 - 130
cis-1,2-Dichloroethene	20.0	19.6		ug/L		98	70 - 130
cis-1,3-Dichloropropene	20.0	18.1		ug/L		90	70 - 130
Dibromomethane	20.0	19.9		ug/L		99	70 - 130
Dichlorobromomethane	20.0	20.0		ug/L		100	70 - 130
Dichlorodifluoromethane	20.0	19.2		ug/L		96	70 - 130
Ethylbenzene	20.0	19.2		ug/L		96	70 - 130
Ethylene Dibromide	20.0	20.2		ug/L		101	70 - 130
Hexachlorobutadiene	20.0	18.0		ug/L		90	70 - 130
Isopropylbenzene	20.0	19.8		ug/L		99	70 - 130
m-Xylene & p-Xylene	40.0	38.0		ug/L		95	70 - 130
Methyl tert-butyl ether	20.0	20.5		ug/L		102	70 - 130
Methylene Chloride	20.0	20.4		ug/L		102	70 - 130
n-Butylbenzene	20.0	18.0		ug/L		90	70 - 130
N-Propylbenzene	20.0	19.4		ug/L		97	70 - 130
Naphthalene	20.0	16.8		ug/L		84	70 - 130
o-Xylene	20.0	19.2		ug/L		96	70 - 130
sec-Butylbenzene	20.0	19.1		ug/L		96	70 - 130
Styrene	20.0	18.9		ug/L		94	70 - 130
tert-Butylbenzene	20.0	19.4		ug/L		97	70 - 130
Tetrachloroethene	20.0	22.8		ug/L		114	70 - 130
Tetrahydrofuran	200	180		ug/L		90	70 - 130
Toluene	20.0	19.5		ug/L		98	70 - 130
trans-1,2-Dichloroethene	20.0	20.4		ug/L		102	70 - 130
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	70 - 130
trans-1,4-Dichloro-2-butene	20.0	19.2		ug/L		96	70 - 130
Trichloroethene	20.0	19.4		ug/L		97	70 - 130
Trichlorofluoromethane	20.0	18.7		ug/L		94	70 - 130
Vinyl chloride	20.0	21.8		ug/L		109	70 - 130

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-95955/3
Matrix: Water
Analysis Batch: 95955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Xylenes, Total	60.0	57.2		ug/L		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 360-95955/4
Matrix: Water
Analysis Batch: 95955

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	20.0	20.2		ug/L		101	70 - 130	3	25
1,1,1-Trichloroethane	20.0	19.8		ug/L		99	70 - 130	6	25
1,1,2,2-Tetrachloroethane	20.0	17.2		ug/L		86	70 - 130	2	25
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	15.7		ug/L		79	70 - 130	20	25
1,1,2-Trichloroethane	20.0	18.9		ug/L		94	70 - 130	1	25
1,1-Dichloroethane	20.0	19.8		ug/L		99	70 - 130	3	25
1,1-Dichloroethene	20.0	15.7		ug/L		78	70 - 130	17	25
1,1-Dichloropropene	20.0	18.8		ug/L		94	70 - 130	8	25
1,2,3-Trichlorobenzene	20.0	15.9		ug/L		79	70 - 130	1	25
1,2,3-Trichloropropane	20.0	18.8		ug/L		94	70 - 130	4	25
1,2,4-Trichlorobenzene	20.0	18.2		ug/L		91	70 - 130	1	25
1,2,4-Trimethylbenzene	20.0	18.6		ug/L		93	70 - 130	5	25
1,2-Dibromo-3-Chloropropane	20.0	19.0		ug/L		95	70 - 130	2	25
1,2-Dichlorobenzene	20.0	18.7		ug/L		93	70 - 130	2	25
1,2-Dichloroethane	20.0	18.8		ug/L		94	70 - 130	0	25
1,2-Dichloropropane	20.0	18.7		ug/L		93	70 - 130	1	25
1,3,5-Trimethylbenzene	20.0	18.7		ug/L		93	70 - 130	3	25
1,3-Dichlorobenzene	20.0	19.0		ug/L		95	70 - 130	2	25
1,3-Dichloropropane	20.0	19.7		ug/L		98	70 - 130	0	25
1,4-Dichlorobenzene	20.0	18.7		ug/L		93	70 - 130	2	25
2,2-Dichloropropane	20.0	19.0		ug/L		95	70 - 130	4	25
2-Butanone (MEK)	200	132		ug/L		66	70 - 130	3	25
2-Chlorotoluene	20.0	17.8		ug/L		89	70 - 130	2	25
2-Hexanone	200	154		ug/L		77	70 - 130	4	25
4-Chlorotoluene	20.0	18.2		ug/L		91	70 - 130	4	25
4-Isopropyltoluene	20.0	19.4		ug/L		97	70 - 130	7	25
4-Methyl-2-pentanone (MIBK)	200	161		ug/L		80	70 - 130	2	25
Acetone	200	170		ug/L		85	70 - 130	2	25
Acrylonitrile	20.0	18.2		ug/L		91	70 - 130	3	25
Benzene	20.0	19.1		ug/L		95	70 - 130	5	25
Bromobenzene	20.0	17.8		ug/L		89	70 - 130	3	25
Bromoform	20.0	19.4		ug/L		97	70 - 130	2	25
Bromomethane	20.0	18.7		ug/L		94	70 - 130	5	25
Carbon disulfide	20.0	18.4		ug/L		92	70 - 130	19	25
Carbon tetrachloride	20.0	21.5		ug/L		107	70 - 130	4	25
Chlorobenzene	20.0	19.1		ug/L		96	70 - 130	4	25
Chlorodibromomethane	20.0	19.0		ug/L		95	70 - 130	1	25

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-95955/4
Matrix: Water
Analysis Batch: 95955

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	20.0	16.1		ug/L		80	70 - 130	8	25
Chloroform	20.0	18.7		ug/L		94	70 - 130	3	25
Chloromethane	20.0	19.2		ug/L		96	70 - 130	7	25
cis-1,2-Dichloroethene	20.0	18.8		ug/L		94	70 - 130	4	25
cis-1,3-Dichloropropene	20.0	17.7		ug/L		88	70 - 130	2	25
Dibromomethane	20.0	19.6		ug/L		98	70 - 130	1	25
Dichlorobromomethane	20.0	19.5		ug/L		97	70 - 130	3	25
Dichlorodifluoromethane	20.0	17.8		ug/L		89	70 - 130	8	25
Ethylbenzene	20.0	18.4		ug/L		92	70 - 130	4	25
Ethylene Dibromide	20.0	20.0		ug/L		100	70 - 130	1	25
Hexachlorobutadiene	20.0	18.1		ug/L		90	70 - 130	0	25
Isopropylbenzene	20.0	19.0		ug/L		95	70 - 130	4	25
m-Xylene & p-Xylene	40.0	36.8		ug/L		92	70 - 130	3	25
Methyl tert-butyl ether	20.0	20.4		ug/L		102	70 - 130	0	25
Methylene Chloride	20.0	20.1		ug/L		100	70 - 130	2	25
n-Butylbenzene	20.0	17.6		ug/L		88	70 - 130	3	25
N-Propylbenzene	20.0	18.4		ug/L		92	70 - 130	5	25
Naphthalene	20.0	16.3		ug/L		82	70 - 130	3	25
o-Xylene	20.0	18.4		ug/L		92	70 - 130	4	25
sec-Butylbenzene	20.0	18.5		ug/L		92	70 - 130	4	25
Styrene	20.0	18.3		ug/L		91	70 - 130	3	25
tert-Butylbenzene	20.0	18.7		ug/L		94	70 - 130	3	25
Tetrachloroethene	20.0	21.5		ug/L		107	70 - 130	6	25
Tetrahydrofuran	200	178		ug/L		89	70 - 130	1	25
Toluene	20.0	18.7		ug/L		93	70 - 130	5	25
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	70 - 130	5	25
trans-1,3-Dichloropropene	20.0	19.4		ug/L		97	70 - 130	2	25
trans-1,4-Dichloro-2-butene	20.0	18.3		ug/L		92	70 - 130	5	25
Trichloroethene	20.0	18.6		ug/L		93	70 - 130	4	25
Trichlorofluoromethane	20.0	17.9		ug/L		89	70 - 130	5	25
Vinyl chloride	20.0	20.2		ug/L		101	70 - 130	8	25
Xylenes, Total	60.0	55.2		ug/L		92	70 - 130	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: 360-42928-10 MS
Matrix: Water
Analysis Batch: 95955

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		200	210		ug/L		105	70 - 130
1,1,1-Trichloroethane	ND		200	214		ug/L		107	70 - 130
1,1,2,2-Tetrachloroethane	ND		200	160		ug/L		80	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		200	206		ug/L		103	70 - 130
1,1,2-Trichloroethane	ND		200	187		ug/L		93	70 - 130
1,1-Dichloroethane	ND		200	204		ug/L		102	70 - 130

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 360-42928-10 MS
Matrix: Water
Analysis Batch: 95955

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		200	182		ug/L		91	70 - 130
1,1-Dichloropropene	ND		200	193		ug/L		97	70 - 130
1,2,3-Trichlorobenzene	ND		200	144		ug/L		72	70 - 130
1,2,3-Trichloropropane	ND		200	184		ug/L		92	70 - 130
1,2,4-Trichlorobenzene	ND		200	164		ug/L		82	70 - 130
1,2,4-Trimethylbenzene	ND		200	181		ug/L		91	70 - 130
1,2-Dibromo-3-Chloropropane	ND		200	175		ug/L		88	70 - 130
1,2-Dichlorobenzene	ND		200	183		ug/L		91	70 - 130
1,2-Dichloroethane	ND		200	193		ug/L		97	70 - 130
1,2-Dichloropropane	ND		200	190		ug/L		95	70 - 130
1,3,5-Trimethylbenzene	ND		200	181		ug/L		91	70 - 130
1,3-Dichlorobenzene	ND		200	189		ug/L		94	70 - 130
1,3-Dichloropropane	ND		200	187		ug/L		94	70 - 130
1,4-Dichlorobenzene	ND		200	184		ug/L		92	70 - 130
2,2-Dichloropropane	ND		200	208		ug/L		104	70 - 130
2-Butanone (MEK)	ND	*	2000	1310	F	ug/L		65	70 - 130
2-Chlorotoluene	ND		200	171		ug/L		85	70 - 130
2-Hexanone	ND		2000	1390	F	ug/L		69	70 - 130
4-Chlorotoluene	ND		200	175		ug/L		88	70 - 130
4-Isopropyltoluene	ND		200	190		ug/L		95	70 - 130
4-Methyl-2-pentanone (MIBK)	ND		2000	1720		ug/L		86	70 - 130
Acetone	ND		2000	1860		ug/L		93	70 - 130
Acrylonitrile	ND		200	188		ug/L		94	70 - 130
Benzene	ND		200	198		ug/L		99	70 - 130
Bromobenzene	ND		200	160		ug/L		80	70 - 130
Bromoform	ND		200	148		ug/L		74	70 - 130
Bromomethane	ND		200	244		ug/L		122	70 - 130
Carbon disulfide	ND		200	192		ug/L		96	70 - 130
Carbon tetrachloride	ND		200	219		ug/L		110	70 - 130
Chlorobenzene	ND		200	196		ug/L		98	70 - 130
Chlorodibromomethane	ND		200	170		ug/L		85	70 - 130
Chloroethane	ND		200	216		ug/L		108	70 - 130
Chloroform	ND		200	198		ug/L		99	70 - 130
Chloromethane	ND		200	241		ug/L		121	70 - 130
cis-1,2-Dichloroethene	ND		200	197		ug/L		98	70 - 130
cis-1,3-Dichloropropene	ND		200	162		ug/L		81	70 - 130
Dibromomethane	ND		200	204		ug/L		102	70 - 130
Dichlorobromomethane	ND		200	193		ug/L		97	70 - 130
Dichlorodifluoromethane	ND		200	233		ug/L		116	70 - 130
Ethylbenzene	ND		200	175		ug/L		88	70 - 130
Ethylene Dibromide	ND		200	192		ug/L		96	70 - 130
Hexachlorobutadiene	ND		200	161		ug/L		80	70 - 130
Isopropylbenzene	ND		200	181		ug/L		90	70 - 130
m-Xylene & p-Xylene	ND		400	369		ug/L		92	70 - 130
Methyl tert-butyl ether	ND		200	206		ug/L		103	70 - 130
Methylene Chloride	ND		200	226		ug/L		113	70 - 130
n-Butylbenzene	ND		200	155		ug/L		78	70 - 130
N-Propylbenzene	ND		200	175		ug/L		87	70 - 130
Naphthalene	ND		200	150		ug/L		75	70 - 130
o-Xylene	ND		200	177		ug/L		88	70 - 130

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 360-42928-10 MS
Matrix: Water
Analysis Batch: 95955

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
sec-Butylbenzene	ND		200	175		ug/L		87	70 - 130
Styrene	ND		200	170		ug/L		85	70 - 130
tert-Butylbenzene	ND		200	184		ug/L		92	70 - 130
Tetrachloroethene	ND		200	231		ug/L		116	70 - 130
Tetrahydrofuran	ND		2000	1840		ug/L		92	70 - 130
Toluene	ND		200	197		ug/L		99	70 - 130
trans-1,2-Dichloroethene	ND		200	203		ug/L		102	70 - 130
trans-1,3-Dichloropropene	ND		200	182		ug/L		91	70 - 130
trans-1,4-Dichloro-2-butene	ND		200	78.8	F	ug/L		39	70 - 130
Trichloroethene	ND		200	199		ug/L		99	70 - 130
Trichlorofluoromethane	ND		200	246		ug/L		123	70 - 130
Vinyl chloride	ND		200	260		ug/L		130	70 - 130
Xylenes, Total	ND		600	546		ug/L		91	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 360-42928-10 MSD
Matrix: Water
Analysis Batch: 95955

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		200	180		ug/L		90	70 - 130	15	30
1,1,1-Trichloroethane	ND		200	183		ug/L		91	70 - 130	16	30
1,1,2,2-Tetrachloroethane	ND		200	165		ug/L		83	70 - 130	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	167		ug/L		84	70 - 130	21	30
1,1,2-Trichloroethane	ND		200	170		ug/L		85	70 - 130	9	30
1,1-Dichloroethane	ND		200	178		ug/L		89	70 - 130	14	30
1,1-Dichloroethene	ND		200	164		ug/L		82	70 - 130	10	30
1,1-Dichloropropene	ND		200	169		ug/L		85	70 - 130	13	30
1,2,3-Trichlorobenzene	ND		200	142		ug/L		71	70 - 130	1	30
1,2,3-Trichloropropane	ND		200	180		ug/L		90	70 - 130	2	30
1,2,4-Trichlorobenzene	ND		200	159		ug/L		79	70 - 130	4	30
1,2,4-Trimethylbenzene	ND		200	173		ug/L		87	70 - 130	5	30
1,2-Dibromo-3-Chloropropane	ND		200	163		ug/L		82	70 - 130	7	30
1,2-Dichlorobenzene	ND		200	180		ug/L		90	70 - 130	1	30
1,2-Dichloroethane	ND		200	178		ug/L		89	70 - 130	8	30
1,2-Dichloropropane	ND		200	172		ug/L		86	70 - 130	10	30
1,3,5-Trimethylbenzene	ND		200	173		ug/L		86	70 - 130	5	30
1,3-Dichlorobenzene	ND		200	179		ug/L		90	70 - 130	5	30
1,3-Dichloropropane	ND		200	175		ug/L		88	70 - 130	7	30
1,4-Dichlorobenzene	ND		200	167		ug/L		84	70 - 130	9	30
2,2-Dichloropropane	ND		200	173		ug/L		86	70 - 130	19	30
2-Butanone (MEK)	ND	*	2000	1090	F	ug/L		55	70 - 130	18	30
2-Chlorotoluene	ND		200	160		ug/L		80	70 - 130	6	30
2-Hexanone	ND		2000	1210	F	ug/L		61	70 - 130	14	30
4-Chlorotoluene	ND		200	161		ug/L		81	70 - 130	8	30

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 360-42928-10 MSD
Matrix: Water
Analysis Batch: 95955

Client Sample ID: MW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Isopropyltoluene	ND		200	177		ug/L		89	70 - 130	7	30
4-Methyl-2-pentanone (MIBK)	ND		2000	1440		ug/L		72	70 - 130	17	30
Acetone	ND		2000	1660		ug/L		83	70 - 130	11	30
Acrylonitrile	ND		200	168		ug/L		84	70 - 130	12	30
Benzene	ND		200	175		ug/L		87	70 - 130	13	30
Bromobenzene	ND		200	153		ug/L		77	70 - 130	4	30
Bromoform	ND		200	135	F	ug/L		68	70 - 130	9	30
Bromomethane	ND		200	203		ug/L		102	70 - 130	18	30
Carbon disulfide	ND		200	173		ug/L		86	70 - 130	11	30
Carbon tetrachloride	ND		200	192		ug/L		96	70 - 130	13	30
Chlorobenzene	ND		200	169		ug/L		84	70 - 130	15	30
Chlorodibromomethane	ND		200	159		ug/L		79	70 - 130	7	30
Chloroethane	ND		200	175		ug/L		88	70 - 130	21	30
Chloroform	ND		200	175		ug/L		88	70 - 130	12	30
Chloromethane	ND		200	201		ug/L		100	70 - 130	18	30
cis-1,2-Dichloroethene	ND		200	176		ug/L		88	70 - 130	11	30
cis-1,3-Dichloropropene	ND		200	150		ug/L		75	70 - 130	8	30
Dibromomethane	ND		200	188		ug/L		94	70 - 130	8	30
Dichlorobromomethane	ND		200	175		ug/L		87	70 - 130	10	30
Dichlorodifluoromethane	ND		200	190		ug/L		95	70 - 130	20	30
Ethylbenzene	ND		200	156		ug/L		78	70 - 130	12	30
Ethylene Dibromide	ND		200	177		ug/L		88	70 - 130	9	30
Hexachlorobutadiene	ND		200	145		ug/L		72	70 - 130	11	30
Isopropylbenzene	ND		200	168		ug/L		84	70 - 130	7	30
m-Xylene & p-Xylene	ND		400	327		ug/L		82	70 - 130	12	30
Methyl tert-butyl ether	ND		200	192		ug/L		96	70 - 130	7	30
Methylene Chloride	ND		200	202		ug/L		101	70 - 130	11	30
n-Butylbenzene	ND		200	148		ug/L		74	70 - 130	5	30
N-Propylbenzene	ND		200	163		ug/L		81	70 - 130	7	30
Naphthalene	ND		200	151		ug/L		75	70 - 130	0	30
o-Xylene	ND		200	165		ug/L		82	70 - 130	7	30
sec-Butylbenzene	ND		200	158		ug/L		79	70 - 130	10	30
Styrene	ND		200	158		ug/L		79	70 - 130	8	30
tert-Butylbenzene	ND		200	169		ug/L		85	70 - 130	8	30
Tetrachloroethene	ND		200	200		ug/L		100	70 - 130	15	30
Tetrahydrofuran	ND		2000	1660		ug/L		83	70 - 130	10	30
Toluene	ND		200	170		ug/L		85	70 - 130	15	30
trans-1,2-Dichloroethene	ND		200	175		ug/L		88	70 - 130	15	30
trans-1,3-Dichloropropene	ND		200	161		ug/L		81	70 - 130	12	30
trans-1,4-Dichloro-2-butene	ND		200	70.7	F	ug/L		35	70 - 130	11	30
Trichloroethene	ND		200	169		ug/L		85	70 - 130	16	30
Trichlorofluoromethane	ND		200	186		ug/L		93	70 - 130	28	30
Vinyl chloride	ND		200	205		ug/L		103	70 - 130	24	30
Xylenes, Total	ND		600	492		ug/L		82	70 - 130	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Method: 8270 - Semivolatile Compounds (GC/MS) Low level

Lab Sample ID: MB 360-95887/1-A
Matrix: Water
Analysis Batch: 95890

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95887

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		1.0		ug/L		09/25/12 17:18	09/26/12 09:49	1
Acenaphthene	ND		1.0		ug/L		09/25/12 17:18	09/26/12 09:49	1
Acenaphthylene	ND		0.30		ug/L		09/25/12 17:18	09/26/12 09:49	1
Anthracene	ND		1.0		ug/L		09/25/12 17:18	09/26/12 09:49	1
Benzo[a]anthracene	ND		0.30		ug/L		09/25/12 17:18	09/26/12 09:49	1
Benzo[a]pyrene	ND		0.20		ug/L		09/25/12 17:18	09/26/12 09:49	1
Benzo[b]fluoranthene	ND		0.30		ug/L		09/25/12 17:18	09/26/12 09:49	1
Benzo[g,h,i]perylene	ND		0.50		ug/L		09/25/12 17:18	09/26/12 09:49	1
Benzo[k]fluoranthene	ND		0.30		ug/L		09/25/12 17:18	09/26/12 09:49	1
Chrysene	ND		1.0		ug/L		09/25/12 17:18	09/26/12 09:49	1
Dibenz(a,h)anthracene	ND		0.50		ug/L		09/25/12 17:18	09/26/12 09:49	1
Fluoranthene	ND		1.0		ug/L		09/25/12 17:18	09/26/12 09:49	1
Fluorene	ND		1.0		ug/L		09/25/12 17:18	09/26/12 09:49	1
Indeno[1,2,3-cd]pyrene	ND		0.50		ug/L		09/25/12 17:18	09/26/12 09:49	1
Naphthalene	ND		1.0		ug/L		09/25/12 17:18	09/26/12 09:49	1
Phenanthrene	ND		0.20		ug/L		09/25/12 17:18	09/26/12 09:49	1
Pyrene	ND		5.0		ug/L		09/25/12 17:18	09/26/12 09:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*30 - 130*	*09/25/12 17:18*	*09/26/12 09:49*	*1*
Nitrobenzene-d5	*79*		*30 - 130*	*09/25/12 17:18*	*09/26/12 09:49*	*1*
Terphenyl-d14	*114*		*30 - 130*	*09/25/12 17:18*	*09/26/12 09:49*	*1*

Lab Sample ID: LCS 360-95887/2-A
Matrix: Water
Analysis Batch: 95890

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95887

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	8.00	6.23		ug/L		78	40 - 140
Acenaphthene	8.00	7.87		ug/L		98	40 - 140
Acenaphthylene	8.00	7.52		ug/L		94	40 - 140
Anthracene	8.00	8.34		ug/L		104	40 - 140
Benzo[a]anthracene	8.00	9.53		ug/L		119	40 - 140
Benzo[a]pyrene	8.00	8.19		ug/L		102	40 - 140
Benzo[b]fluoranthene	8.00	9.44		ug/L		118	40 - 140
Benzo[g,h,i]perylene	8.00	11.2		ug/L		140	40 - 140
Benzo[k]fluoranthene	8.00	7.28		ug/L		91	40 - 140
Chrysene	8.00	8.30		ug/L		104	40 - 140
Dibenz(a,h)anthracene	8.00	11.2		ug/L		140	40 - 140
Fluoranthene	8.00	8.63		ug/L		108	40 - 140
Fluorene	8.00	8.07		ug/L		101	40 - 140
Indeno[1,2,3-cd]pyrene	8.00	10.6		ug/L		133	40 - 140
Naphthalene	8.00	6.35		ug/L		79	40 - 140
Phenanthrene	8.00	8.31		ug/L		104	40 - 140
Pyrene	8.00	9.07		ug/L		113	40 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*92*		*30 - 130*
Nitrobenzene-d5	*79*		*30 - 130*

Method: 8270 - Semivolatile Compounds (GC/MS) Low level (Continued)

Lab Sample ID: LCS 360-95887/2-A
Matrix: Water
Analysis Batch: 95890

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95887

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*128*		*30 - 130*

Lab Sample ID: LCSD 360-95887/3-A
Matrix: Water
Analysis Batch: 95890

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 95887

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	8.00	6.44		ug/L		80	40 - 140	3	20
Acenaphthene	8.00	8.01		ug/L		100	40 - 140	2	20
Acenaphthylene	8.00	7.52		ug/L		94	40 - 140	0	20
Anthracene	8.00	8.40		ug/L		105	40 - 140	1	20
Benzo[a]anthracene	8.00	9.58		ug/L		120	40 - 140	1	20
Benzo[a]pyrene	8.00	8.13		ug/L		102	40 - 140	1	20
Benzo[b]fluoranthene	8.00	9.43		ug/L		118	40 - 140	0	20
Benzo[g,h,i]perylene	8.00	10.1		ug/L		127	40 - 140	10	20
Benzo[k]fluoranthene	8.00	7.79		ug/L		97	40 - 140	7	20
Chrysene	8.00	8.42		ug/L		105	40 - 140	1	20
Dibenz(a,h)anthracene	8.00	10.1		ug/L		126	40 - 140	10	20
Fluoranthene	8.00	8.47		ug/L		106	40 - 140	2	20
Fluorene	8.00	8.31		ug/L		104	40 - 140	3	20
Indeno[1,2,3-cd]pyrene	8.00	9.69		ug/L		121	40 - 140	9	20
Naphthalene	8.00	6.42		ug/L		80	40 - 140	1	20
Phenanthrene	8.00	8.26		ug/L		103	40 - 140	1	20
Pyrene	8.00	9.13		ug/L		114	40 - 140	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*93*		*30 - 130*
Nitrobenzene-d5	*77*		*30 - 130*
Terphenyl-d14	*130*		*30 - 130*

Method: 8270D - Semivolatile Compounds (GC/MS)

Lab Sample ID: MB 360-95917/1-A
Matrix: Solid
Analysis Batch: 95921

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95917

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		170		ug/Kg		09/26/12 12:41	09/26/12 15:54	1
Acenaphthene	ND		170		ug/Kg		09/26/12 12:41	09/26/12 15:54	1
Anthracene	ND		170		ug/Kg		09/26/12 12:41	09/26/12 15:54	1
Benzo[a]anthracene	ND		170		ug/Kg		09/26/12 12:41	09/26/12 15:54	1
Benzo[a]pyrene	ND		170		ug/Kg		09/26/12 12:41	09/26/12 15:54	1
Acenaphthylene	ND		170		ug/Kg		09/26/12 12:41	09/26/12 15:54	1
Benzo[b]fluoranthene	ND		170		ug/Kg		09/26/12 12:41	09/26/12 15:54	1
Benzo[g,h,i]perylene	ND		170		ug/Kg		09/26/12 12:41	09/26/12 15:54	1
Benzo[k]fluoranthene	ND		180		ug/Kg		09/26/12 12:41	09/26/12 15:54	1
Chrysene	ND		170		ug/Kg		09/26/12 12:41	09/26/12 15:54	1
Dibenz(a,h)anthracene	ND		170		ug/Kg		09/26/12 12:41	09/26/12 15:54	1
Fluoranthene	ND		170		ug/Kg		09/26/12 12:41	09/26/12 15:54	1

Method: 8270D - Semivolatile Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-95917/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95921 — **Prep Batch: 95917**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		170		ug/Kg		09/26/12 12:41	09/26/12 15:54	1
Indeno[1,2,3-cd]pyrene	ND		330		ug/Kg		09/26/12 12:41	09/26/12 15:54	1
Naphthalene	ND		170		ug/Kg		09/26/12 12:41	09/26/12 15:54	1
Phenanthrene	ND		170		ug/Kg		09/26/12 12:41	09/26/12 15:54	1
Pyrene	ND		170		ug/Kg		09/26/12 12:41	09/26/12 15:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*67*		*30 - 130*	*09/26/12 12:41*	*09/26/12 15:54*	*1*
2-Fluorobiphenyl	*51*		*30 - 130*	*09/26/12 12:41*	*09/26/12 15:54*	*1*
Terphenyl-d14 (Surr)	*102*		*30 - 130*	*09/26/12 12:41*	*09/26/12 15:54*	*1*

Lab Sample ID: LCS 360-95917/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95921 — **Prep Batch: 95917**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	1330	1020		ug/Kg		77	40 - 140
Acenaphthene	1330	1180		ug/Kg		89	40 - 140
Anthracene	1330	1100		ug/Kg		83	40 - 140
Benzo[a]anthracene	1330	1160		ug/Kg		87	40 - 140
Benzo[a]pyrene	1330	1110		ug/Kg		83	40 - 140
Acenaphthylene	1330	1070		ug/Kg		80	40 - 140
Benzo[b]fluoranthene	1330	1130		ug/Kg		85	40 - 140
Benzo[g,h,i]perylene	1330	981		ug/Kg		74	40 - 140
Benzo[k]fluoranthene	1330	1210		ug/Kg		91	40 - 140
Chrysene	1330	1140		ug/Kg		85	40 - 140
Dibenz(a,h)anthracene	1330	1070		ug/Kg		81	40 - 140
Fluoranthene	1330	1180		ug/Kg		89	40 - 140
Fluorene	1330	1290		ug/Kg		97	40 - 140
Indeno[1,2,3-cd]pyrene	1330	1050		ug/Kg		79	40 - 140
Naphthalene	1330	956		ug/Kg		72	40 - 140
Phenanthrene	1330	1050		ug/Kg		79	40 - 140
Pyrene	1330	1070		ug/Kg		80	40 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*65*		*30 - 130*
2-Fluorobiphenyl	*74*		*30 - 130*
Terphenyl-d14 (Surr)	*92*		*30 - 130*

Lab Sample ID: LCSD 360-95917/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95921 — **Prep Batch: 95917**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	1330	949		ug/Kg		71	40 - 140	7	30
Acenaphthene	1330	1030		ug/Kg		77	40 - 140	14	30
Anthracene	1330	1050		ug/Kg		79	40 - 140	4	30
Benzo[a]anthracene	1330	1110		ug/Kg		83	40 - 140	4	30
Benzo[a]pyrene	1330	1070		ug/Kg		80	40 - 140	4	30

Method: 8270D - Semivolatile Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-95917/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95921 — **Prep Batch: 95917**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene	1330	914		ug/Kg		69	40 - 140	16	30
Benzo[b]fluoranthene	1330	1090		ug/Kg		82	40 - 140	4	30
Benzo[g,h,i]perylene	1330	1000		ug/Kg		75	40 - 140	2	30
Benzo[k]fluoranthene	1330	1110		ug/Kg		83	40 - 140	8	30
Chrysene	1330	1050		ug/Kg		79	40 - 140	7	30
Dibenz(a,h)anthracene	1330	1020		ug/Kg		77	40 - 140	5	30
Fluoranthene	1330	1080		ug/Kg		81	40 - 140	9	30
Fluorene	1330	1070		ug/Kg		81	40 - 140	18	30
Indeno[1,2,3-cd]pyrene	1330	1020		ug/Kg		77	40 - 140	2	30
Naphthalene	1330	908		ug/Kg		68	40 - 140	5	30
Phenanthrene	1330	984		ug/Kg		74	40 - 140	7	30
Pyrene	1330	1030		ug/Kg		77	40 - 140	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*62*		*30 - 130*
2-Fluorobiphenyl	*67*		*30 - 130*
Terphenyl-d14 (Surr)	*91*		*30 - 130*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Lab Sample ID: MB 360-95810/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95835 — **Prep Batch: 95810**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		100		ug/Kg		09/24/12 12:30	09/24/12 21:36	1
PCB-1221	ND		100		ug/Kg		09/24/12 12:30	09/24/12 21:36	1
PCB-1232	ND		100		ug/Kg		09/24/12 12:30	09/24/12 21:36	1
PCB-1242	ND		100		ug/Kg		09/24/12 12:30	09/24/12 21:36	1
PCB-1248	ND		100		ug/Kg		09/24/12 12:30	09/24/12 21:36	1
PCB-1254	ND		100		ug/Kg		09/24/12 12:30	09/24/12 21:36	1
PCB-1260	ND		100		ug/Kg		09/24/12 12:30	09/24/12 21:36	1
PCB-1262	ND		100		ug/Kg		09/24/12 12:30	09/24/12 21:36	1
PCB-1268	ND		100		ug/Kg		09/24/12 12:30	09/24/12 21:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*30 - 150*	*09/24/12 12:30*	*09/24/12 21:36*	*1*
Tetrachloro-m-xylene	*86*		*30 - 150*	*09/24/12 12:30*	*09/24/12 21:36*	*1*
DCB Decachlorobiphenyl	*71*		*30 - 150*	*09/24/12 12:30*	*09/24/12 21:36*	*1*
DCB Decachlorobiphenyl	*73*		*30 - 150*	*09/24/12 12:30*	*09/24/12 21:36*	*1*

Lab Sample ID: LCS 360-95810/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95835 — **Prep Batch: 95810**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	500	520		ug/Kg		104	40 - 140
PCB-1260	500	519		ug/Kg		104	40 - 140

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC (Continued)

Lab Sample ID: LCS 360-95810/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95835 — **Prep Batch: 95810**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	90		30 - 150
Tetrachloro-m-xylene	95		30 - 150
DCB Decachlorobiphenyl	89		30 - 150
DCB Decachlorobiphenyl	93		30 - 150

Lab Sample ID: LCSD 360-95810/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95835 — **Prep Batch: 95810**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	500	496		ug/Kg		99	40 - 140	5	30
PCB-1260	500	502		ug/Kg		100	40 - 140	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	85		30 - 150
Tetrachloro-m-xylene	88		30 - 150
DCB Decachlorobiphenyl	86		30 - 150
DCB Decachlorobiphenyl	92		30 - 150

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC)

Lab Sample ID: MB 360-95833/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95852 — **Prep Batch: 95833**

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
C9-C36	ND		0.10		mg/L		09/24/12 16:53	09/25/12 13:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 127	09/24/12 16:53	09/25/12 13:18	1

Lab Sample ID: LCS 360-95833/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95852 — **Prep Batch: 95833**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C9-C36	5.00	4.26		mg/L		85	60 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	85		50 - 127

Lab Sample ID: LCSD 360-95833/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95852 — **Prep Batch: 95833**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C9-C36	5.00	4.25		mg/L		85	60 - 120	0	30

Method: CT ETPH - Connecticut - Extractable Total petroleum Hydrocarbons (GC) (Continued)

Lab Sample ID: LCSD 360-95833/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95852 — **Prep Batch: 95833**

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*84*		*50 - 127*

Lab Sample ID: MB 360-95860/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95908 — **Prep Batch: 95860**

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
CT ETPH	ND		3.3		mg/Kg		09/25/12 11:58	09/26/12 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*52 - 109*	*09/25/12 11:58*	*09/26/12 11:37*	*1*

Lab Sample ID: LCS 360-95860/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95908 — **Prep Batch: 95860**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
CT ETPH			167	126		mg/Kg		76	60 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*79*		*52 - 109*

Lab Sample ID: LCSD 360-95860/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95908 — **Prep Batch: 95860**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
CT ETPH			167	123		mg/Kg		74	60 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*79*		*52 - 109*

Method: 6010 - Metals (ICP)

Lab Sample ID: MB 360-95841/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95892 — **Prep Batch: 95841**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		09/25/12 08:25	09/25/12 16:43	1
Arsenic	ND		1.0		mg/Kg		09/25/12 08:25	09/25/12 16:43	1
Barium	ND		0.50		mg/Kg		09/25/12 08:25	09/25/12 16:43	1
Beryllium	ND		0.20		mg/Kg		09/25/12 08:25	09/25/12 16:43	1
Cadmium	ND		0.20		mg/Kg		09/25/12 08:25	09/25/12 16:43	1
Chromium	ND		0.50		mg/Kg		09/25/12 08:25	09/25/12 16:43	1
Copper	ND		1.0		mg/Kg		09/25/12 08:25	09/25/12 16:43	1
Lead	ND		0.50		mg/Kg		09/25/12 08:25	09/25/12 16:43	1
Nickel	ND		1.0		mg/Kg		09/25/12 08:25	09/25/12 16:43	1

Method: 6010 - Metals (ICP) (Continued)

Lab Sample ID: MB 360-95841/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95892 — **Prep Batch: 95841**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.50		mg/Kg		09/25/12 08:25	09/25/12 16:43	1
Silver	ND		0.50		mg/Kg		09/25/12 08:25	09/25/12 16:43	1
Thallium	ND		1.0		mg/Kg		09/25/12 08:25	09/25/12 16:43	1
Vanadium	ND		0.50		mg/Kg		09/25/12 08:25	09/25/12 16:43	1
Zinc	ND		2.5		mg/Kg		09/25/12 08:25	09/25/12 16:43	1

Lab Sample ID: LCDSRM 360-95841/3-A LCDSRM — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95892 — **Prep Batch: 95841**

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	272	112		mg/Kg		41.1	10.0 - 109.9	4	30
Arsenic	135	119		mg/Kg		88.1	62.9 - 117.0	1	30
Barium	503	444		mg/Kg		88.4	70.6 - 119.1	1	30
Beryllium	215	181		mg/Kg		84.0	69.8 - 114.4	0	30
Cadmium	183	160		mg/Kg		87.6	66.1 - 113.7	1	30
Chromium	261	231		mg/Kg		88.6	65.5 - 119.5	2	30
Copper	91.8	85.5		mg/Kg		93.1	69.3 - 117.6	1	30
Lead	149	130		mg/Kg		87.0	66.8 - 116.1	1	30
Nickel	259	235		mg/Kg		90.7	68.0 - 115.4	1	30
Selenium	160	142		mg/Kg		88.6	60.8 - 120.0	1	30
Silver	77.7	71.2		mg/Kg		91.6	62.0 - 122.7	3	30
Thallium	158	120		mg/Kg		75.8	52.8 - 110.1	2	30
Vanadium	129	110		mg/Kg		85.0	61.5 - 119.4	3	30
Zinc	721	626		mg/Kg		86.8	67.7 - 116.2	0	30

Lab Sample ID: LCSSRM 360-95841/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95892 — **Prep Batch: 95841**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	272	116		mg/Kg		42.6	10.0 - 109.9
Arsenic	135	117		mg/Kg		87.0	62.9 - 117.0
Barium	503	440		mg/Kg		87.4	70.6 - 119.1
Beryllium	215	181		mg/Kg		84.0	69.8 - 114.4
Cadmium	183	158		mg/Kg		86.3	66.1 - 113.7

Method: 6010 - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 360-95841/2-A
Matrix: Solid
Analysis Batch: 95892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95841

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	261	227		mg/Kg		87.1	65.5 - 119.5
Copper	91.8	84.8		mg/Kg		92.4	69.3 - 117.6
Lead	149	129		mg/Kg		86.4	66.8 - 116.1
Nickel	259	232		mg/Kg		89.6	68.0 - 115.4
Selenium	160	140		mg/Kg		87.7	60.8 - 120.0
Silver	77.7	69.0		mg/Kg		88.8	62.0 - 122.7
Thallium	158	117		mg/Kg		74.1	52.8 - 110.1
Vanadium	129	107		mg/Kg		82.9	61.5 - 119.4
Zinc	721	626		mg/Kg		86.8	67.7 - 116.2

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 360-95884/2
Matrix: Water
Analysis Batch: 95884

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		1.0		ug/L			09/25/12 15:29	1
Arsenic	ND		1.0		ug/L			09/25/12 15:29	1
Barium	ND		1.0		ug/L			09/25/12 15:29	1
Beryllium	ND		1.0		ug/L			09/25/12 15:29	1
Cadmium	ND		1.0		ug/L			09/25/12 15:29	1
Chromium	ND		1.0		ug/L			09/25/12 15:29	1
Copper	ND		1.0		ug/L			09/25/12 15:29	1
Nickel	ND		1.0		ug/L			09/25/12 15:29	1
Lead	ND		1.0		ug/L			09/25/12 15:29	1
Antimony	ND		1.0		ug/L			09/25/12 15:29	1
Selenium	ND		1.0		ug/L			09/25/12 15:29	1
Thallium	ND		1.0		ug/L			09/25/12 15:29	1
Vanadium	ND		1.0		ug/L			09/25/12 15:29	1
Zinc	ND		2.5		ug/L			09/25/12 15:29	1

Lab Sample ID: LCS 360-95884/1
Matrix: Water
Analysis Batch: 95884

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	50.0	50.3		ug/L		101	80 - 120
Arsenic	50.0	50.0		ug/L		100	80 - 120
Barium	50.0	51.9		ug/L		104	80 - 120
Beryllium	50.0	53.7		ug/L		107	80 - 120
Cadmium	50.0	51.5		ug/L		103	80 - 120
Chromium	50.0	50.8		ug/L		102	80 - 120

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 360-95884/1
Matrix: Water
Analysis Batch: 95884

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	50.0	49.5		ug/L		99	80 - 120
Nickel	50.0	51.1		ug/L		102	80 - 120
Lead	50.0	49.4		ug/L		99	80 - 120
Antimony	50.0	46.9		ug/L		94	80 - 120
Selenium	50.0	49.9		ug/L		100	80 - 120
Thallium	50.0	50.0		ug/L		100	80 - 120
Vanadium	50.0	50.6		ug/L		101	80 - 120
Zinc	50.0	50.0		ug/L		100	80 - 120

Lab Sample ID: LCSD 360-95884/13
Matrix: Water
Analysis Batch: 95884

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	50.0	52.1		ug/L		104	80 - 120	3	20
Arsenic	50.0	51.0		ug/L		102	80 - 120	2	20
Barium	50.0	53.0		ug/L		106	80 - 120	2	20
Beryllium	50.0	55.2		ug/L		110	80 - 120	3	20
Cadmium	50.0	51.8		ug/L		104	80 - 120	1	20
Chromium	50.0	52.5		ug/L		105	80 - 120	3	20
Copper	50.0	51.3		ug/L		103	80 - 120	3	20
Nickel	50.0	52.8		ug/L		106	80 - 120	3	20
Lead	50.0	53.2		ug/L		106	80 - 120	8	20
Antimony	50.0	49.6		ug/L		99	80 - 120	6	20
Selenium	50.0	52.0		ug/L		104	80 - 120	4	20
Thallium	50.0	53.4		ug/L		107	80 - 120	6	20
Vanadium	50.0	51.8		ug/L		104	80 - 120	2	20
Zinc	50.0	51.2		ug/L		102	80 - 120	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 360-95850/1-A
Matrix: Water
Analysis Batch: 95876

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95850

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20		ug/L		09/25/12 09:57	09/25/12 15:13	1

Lab Sample ID: LCS 360-95850/2-A
Matrix: Water
Analysis Batch: 95876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95850

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	5.07		ug/L		101	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 360-95850/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95876 — **Prep Batch: 95850**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			5.00	4.98		ug/L		100	80 - 120	2	20

Lab Sample ID: 360-42928-10 MS — **Client Sample ID: MW-1**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 95876 — **Prep Batch: 95850**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	ND		5.00	5.10		ug/L		102	75 - 125		

Lab Sample ID: 360-42928-10 DU — **Client Sample ID: MW-1**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 95876 — **Prep Batch: 95850**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	ND			ND		ug/L				NC	20

Method: 7471 - Mercury (CVAA)

Lab Sample ID: MB 360-95957/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95976 — **Prep Batch: 95957**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.080		mg/Kg		09/27/12 10:25	09/27/12 14:16	1

Lab Sample ID: LCDSRM 360-95957/3-A LCDSRM — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95976 — **Prep Batch: 95957**

Analyte			Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			16.2	17.0		mg/Kg		104.6	43.3 - 125.3	12	30

Lab Sample ID: LCSSRM 360-95957/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95976 — **Prep Batch: 95957**

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			16.2	15.0		mg/Kg		92.4	43.3 - 125.3		

Method: Moisture - Percent Moisture

Lab Sample ID: 360-42928-9 DU — **Client Sample ID: B-6 DUP**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95879

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	13			14		%				2	20
Percent Solids	87			86		%				0.3	20

Lab Chronicle

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Client Sample ID: B-3

Lab Sample ID: 360-42928-1
Date Collected: 09/20/12 13:45
Matrix: Solid
Date Received: 09/22/12 11:20
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			95917	09/26/12 12:41	BRB	TAL WFD
Total/NA	Analysis	8270D		1	95921	09/26/12 17:25	JLG	TAL WFD
Total/NA	Prep	3546			95860	09/25/12 11:58	BRB	TAL WFD
Total/NA	Analysis	CT ETPH		1	95908	09/26/12 13:44	JLG	TAL WFD
Total/NA	Prep	3050B			95841	09/25/12 08:25	BH	TAL WFD
Total/NA	Analysis	6010		2	95892	09/25/12 16:46	TJS	TAL WFD
Total/NA	Prep	7471B			95957	09/27/12 10:25	BH	TAL WFD
Total/NA	Analysis	7471		1	95976	09/27/12 14:29	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 16:25	BH	TAL WFD

Client Sample ID: B-4

Lab Sample ID: 360-42928-2
Date Collected: 09/20/12 13:30
Matrix: Solid
Date Received: 09/22/12 11:20
Percent Solids: 72.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			95917	09/26/12 12:41	BRB	TAL WFD
Total/NA	Analysis	8270D		2	95921	09/26/12 17:56	JLG	TAL WFD
Total/NA	Prep	3546			95860	09/25/12 11:58	BRB	TAL WFD
Total/NA	Analysis	CT ETPH		1	95908	09/26/12 14:16	JLG	TAL WFD
Total/NA	Prep	3050B			95841	09/25/12 08:25	BH	TAL WFD
Total/NA	Analysis	6010		1	95892	09/25/12 16:10	TJS	TAL WFD
Total/NA	Prep	7471B			95957	09/27/12 10:25	BH	TAL WFD
Total/NA	Analysis	7471		1	95976	09/27/12 14:30	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 16:25	BH	TAL WFD

Client Sample ID: B-5

Lab Sample ID: 360-42928-3
Date Collected: 09/20/12 14:20
Matrix: Solid
Date Received: 09/22/12 11:20
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			95917	09/26/12 12:41	BRB	TAL WFD
Total/NA	Analysis	8270D		1	95921	09/26/12 18:27	JLG	TAL WFD
Total/NA	Prep	3546			95860	09/25/12 11:58	BRB	TAL WFD
Total/NA	Analysis	CT ETPH		1	95908	09/26/12 14:48	JLG	TAL WFD
Total/NA	Prep	3050B			95841	09/25/12 08:25	BH	TAL WFD
Total/NA	Analysis	6010		1	95892	09/25/12 16:13	TJS	TAL WFD
Total/NA	Prep	7471B			95957	09/27/12 10:25	BH	TAL WFD
Total/NA	Analysis	7471		1	95976	09/27/12 14:32	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 16:25	BH	TAL WFD

Lab Chronicle

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Client Sample ID: B-6

Lab Sample ID: 360-42928-4

Date Collected: 09/20/12 14:42
Date Received: 09/22/12 11:20

Matrix: Solid
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			95917	09/26/12 12:41	BRB	TAL WFD
Total/NA	Analysis	8270D		2	95921	09/26/12 18:57	JLG	TAL WFD
Total/NA	Prep	3546			95810	09/24/12 14:17	BRB	TAL WFD
Total/NA	Analysis	8082A		1	95835	09/25/12 00:31	BRB	TAL WFD
Total/NA	Prep	3546			95860	09/25/12 11:58	BRB	TAL WFD
Total/NA	Analysis	CT ETPH		1	95908	09/26/12 15:20	JLG	TAL WFD
Total/NA	Prep	3050B			95841	09/25/12 08:25	BH	TAL WFD
Total/NA	Analysis	6010		1	95892	09/25/12 16:16	TJS	TAL WFD
Total/NA	Prep	7471B			95957	09/27/12 10:25	BH	TAL WFD
Total/NA	Analysis	7471		1	95976	09/27/12 14:38	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 16:25	BH	TAL WFD

Client Sample ID: B-7

Lab Sample ID: 360-42928-5

Date Collected: 09/20/12 10:00
Date Received: 09/22/12 11:20

Matrix: Solid
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			95917	09/26/12 12:41	BRB	TAL WFD
Total/NA	Analysis	8270D		2	95970	09/27/12 22:22	JLG	TAL WFD
Total/NA	Prep	3546			95860	09/25/12 11:58	BRB	TAL WFD
Total/NA	Analysis	CT ETPH		10	95908	09/26/12 15:52	JLG	TAL WFD
Total/NA	Prep	3050B			95841	09/25/12 08:25	BH	TAL WFD
Total/NA	Analysis	6010		1	95892	09/25/12 16:19	TJS	TAL WFD
Total/NA	Analysis	6010		2	95892	09/25/12 16:48	TJS	TAL WFD
Total/NA	Prep	7471B			95957	09/27/12 10:25	BH	TAL WFD
Total/NA	Analysis	7471		1	95976	09/27/12 14:39	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 16:25	BH	TAL WFD

Client Sample ID: B-8

Lab Sample ID: 360-42928-6

Date Collected: 09/20/12 12:30
Date Received: 09/22/12 11:20

Matrix: Solid
Percent Solids: 68.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			95917	09/26/12 12:41	BRB	TAL WFD
Total/NA	Analysis	8270D		1	95921	09/26/12 19:59	JLG	TAL WFD
Total/NA	Prep	3546			95810	09/24/12 14:17	BRB	TAL WFD
Total/NA	Analysis	8082A		1	95835	09/25/12 00:53	BRB	TAL WFD
Total/NA	Prep	3546			95860	09/25/12 11:58	BRB	TAL WFD
Total/NA	Analysis	CT ETPH		1	95908	09/26/12 16:24	JLG	TAL WFD
Total/NA	Prep	3050B			95841	09/25/12 08:25	BH	TAL WFD
Total/NA	Analysis	6010		1	95892	09/25/12 16:22	TJS	TAL WFD
Total/NA	Prep	7471B			95957	09/27/12 10:25	BH	TAL WFD
Total/NA	Analysis	7471		1	95976	09/27/12 14:41	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 16:25	BH	TAL WFD

Lab Chronicle

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Client Sample ID: B-9

Lab Sample ID: 360-42928-7

Date Collected: 09/20/12 11:15
Date Received: 09/22/12 11:20

Matrix: Solid
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			95917	09/26/12 12:41	BRB	TAL WFD
Total/NA	Analysis	8270D		1	95921	09/26/12 20:30	JLG	TAL WFD
Total/NA	Prep	3546			95860	09/25/12 11:58	BRB	TAL WFD
Total/NA	Analysis	CT ETPH		1	95908	09/26/12 16:56	JLG	TAL WFD
Total/NA	Prep	3050B			95841	09/25/12 08:25	BH	TAL WFD
Total/NA	Analysis	6010		1	95892	09/25/12 16:24	TJS	TAL WFD
Total/NA	Prep	7471B			95957	09/27/12 10:25	BH	TAL WFD
Total/NA	Analysis	7471		1	95976	09/27/12 14:43	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 16:25	BH	TAL WFD

Client Sample ID: B-10

Lab Sample ID: 360-42928-8

Date Collected: 09/20/12 10:30
Date Received: 09/22/12 11:20

Matrix: Solid
Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			95917	09/26/12 12:41	BRB	TAL WFD
Total/NA	Analysis	8270D		1	95921	09/26/12 21:01	JLG	TAL WFD
Total/NA	Prep	3546			95860	09/25/12 11:58	BRB	TAL WFD
Total/NA	Analysis	CT ETPH		1	95908	09/26/12 17:28	JLG	TAL WFD
Total/NA	Prep	3050B			95841	09/25/12 08:25	BH	TAL WFD
Total/NA	Analysis	6010		1	95892	09/25/12 16:27	TJS	TAL WFD
Total/NA	Prep	7471B			95957	09/27/12 10:25	BH	TAL WFD
Total/NA	Analysis	7471		1	95976	09/27/12 14:44	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 16:25	BH	TAL WFD

Client Sample ID: B-6 DUP

Lab Sample ID: 360-42928-9

Date Collected: 09/20/12 14:42
Date Received: 09/22/12 11:20

Matrix: Solid
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			95917	09/26/12 12:41	BRB	TAL WFD
Total/NA	Analysis	8270D		1	95921	09/26/12 21:31	JLG	TAL WFD
Total/NA	Prep	3546			95810	09/24/12 14:17	BRB	TAL WFD
Total/NA	Analysis	8082A		1	95835	09/25/12 01:15	BRB	TAL WFD
Total/NA	Prep	3546			95860	09/25/12 11:58	BRB	TAL WFD
Total/NA	Analysis	CT ETPH		1	95908	09/26/12 18:00	JLG	TAL WFD
Total/NA	Prep	3050B			95841	09/25/12 08:25	BH	TAL WFD
Total/NA	Analysis	6010		1	95892	09/25/12 16:30	TJS	TAL WFD
Total/NA	Analysis	6010		2	95892	09/25/12 16:51	TJS	TAL WFD
Total/NA	Prep	7471B			95957	09/27/12 10:25	BH	TAL WFD
Total/NA	Analysis	7471		1	95976	09/27/12 14:46	TJS	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 16:25	BH	TAL WFD

Lab Chronicle

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Client Sample ID: MW-1

Lab Sample ID: 360-42928-10

Date Collected: 09/20/12 13:40
Date Received: 09/22/12 11:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	95955	09/27/12 17:17	TH	TAL WFD
Total/NA	Prep	3510C			95887	09/25/12 17:18	MJM	TAL WFD
Total/NA	Analysis	8270		1	95890	09/26/12 12:59	JLG	TAL WFD
Total/NA	Prep	3510C			95833	09/24/12 16:53	MJM	TAL WFD
Total/NA	Analysis	CT ETPH		1	95852	09/25/12 23:03	JLG	TAL WFD
Dissolved	Prep	7470A			95850	09/25/12 09:57	BH	TAL WFD
Dissolved	Analysis	7470A		1	95876	09/25/12 15:18	TJS	TAL WFD
Dissolved	Analysis	6020		1	95884	09/25/12 16:06	TJS	TAL WFD
Dissolved	Analysis	6020		5	95884	09/25/12 16:27	TJS	TAL WFD

Client Sample ID: MW-2

Lab Sample ID: 360-42928-11

Date Collected: 09/20/12 14:35
Date Received: 09/22/12 11:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	95955	09/27/12 17:39	TH	TAL WFD
Total/NA	Prep	3510C			95887	09/25/12 17:18	MJM	TAL WFD
Total/NA	Analysis	8270		1	95890	09/26/12 13:30	JLG	TAL WFD
Total/NA	Prep	3510C			95833	09/24/12 16:53	MJM	TAL WFD
Total/NA	Analysis	CT ETPH		1	95852	09/25/12 23:35	JLG	TAL WFD
Dissolved	Prep	7470A			95850	09/25/12 09:57	BH	TAL WFD
Dissolved	Analysis	7470A		1	95876	09/25/12 15:23	TJS	TAL WFD
Dissolved	Analysis	6020		1	95884	09/25/12 16:15	TJS	TAL WFD
Dissolved	Analysis	6020		5	95884	09/25/12 16:34	TJS	TAL WFD

Client Sample ID: MW-3

Lab Sample ID: 360-42928-12

Date Collected: 09/20/12 15:30
Date Received: 09/22/12 11:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	95955	09/27/12 18:00	TH	TAL WFD
Total/NA	Prep	3510C			95887	09/25/12 17:18	MJM	TAL WFD
Total/NA	Analysis	8270		1	95890	09/26/12 14:02	JLG	TAL WFD
Total/NA	Prep	3510C			95833	09/24/12 16:53	MJM	TAL WFD
Total/NA	Analysis	CT ETPH		1	95852	09/26/12 00:07	JLG	TAL WFD
Dissolved	Prep	7470A			95850	09/25/12 09:57	BH	TAL WFD
Dissolved	Analysis	7470A		1	95876	09/25/12 15:25	TJS	TAL WFD
Dissolved	Analysis	6020		1	95884	09/25/12 16:17	TJS	TAL WFD
Dissolved	Analysis	6020		5	95884	09/25/12 16:36	TJS	TAL WFD

Lab Chronicle

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Client Sample ID: MW-2 DUP

Lab Sample ID: 360-42928-13

Date Collected: 09/20/12 14:35
Matrix: Water
Date Received: 09/22/12 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	95955	09/27/12 18:22	TH	TAL WFD
Total/NA	Prep	3510C			95887	09/25/12 17:18	MJM	TAL WFD
Total/NA	Analysis	8270		1	95890	09/26/12 14:34	JLG	TAL WFD
Total/NA	Prep	3510C			95833	09/24/12 16:53	MJM	TAL WFD
Total/NA	Analysis	CT ETPH		1	95852	09/26/12 00:39	JLG	TAL WFD
Dissolved	Prep	7470A			95850	09/25/12 09:57	BH	TAL WFD
Dissolved	Analysis	7470A		1	95876	09/25/12 15:27	TJS	TAL WFD
Dissolved	Analysis	6020		1	95884	09/25/12 16:20	TJS	TAL WFD
Dissolved	Analysis	6020		5	95884	09/25/12 16:38	TJS	TAL WFD
Dissolved	Analysis	6020		1	95884	09/25/12 16:43	TJS	TAL WFD

Client Sample ID: Trip Blank

Lab Sample ID: 360-42928-14

Date Collected: 09/20/12 13:40
Matrix: Water
Date Received: 09/22/12 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	95955	09/27/12 18:43	TH	TAL WFD

Laboratory References:

TAL WFD = TestAmerica Westfield, Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085, TEL (413)572-4000

Certification Summary

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42928-1

Laboratory: TestAmerica Westfield

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0494	09-30-12
Maine	State Program	1	MA00014	05-03-13
Massachusetts	State Program	1	M-MA014	06-30-13
New Hampshire	NELAC	1	2539	08-08-13
Rhode Island	State Program	1	LAO00057	12-30-12
Vermont	State Program	1	VT-10843	11-18-12

State Accreditation Matrix

Method Name	Description	Primary Accreditation	
		New Hampshire (NELAC)	Mass
180.1	Turbidity, Nephelometric	P	P
245.1	Mercury (CVAA)	NP/P	NP
300	Anions, Ion Chromatography	NP/P	NP/P
410.4	COD	NP	NP
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P
524.2	Trihalomethane compounds	P	P
608	Organochlorine Pest/PCBs (list upon request)	NP	NP
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP	NP
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW	
1103.1	E.coli		ambient/source
3546	Microwave Extraction	SW	
5035	Closed System Purge and Trap	SW	
6020	Metals (ICP/MS) (list upon request)	NP	
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P
200.8 Rev 5.4	Metals (ICP/MS) (list upon request)	NP/P	NP/P
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P	
3010A	Preparation, Total Metals	NP/P	
3020A	Preparation, Total Metals	NP/P	
3050B	Preparation, Metals	SW	
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP	
5030B	Purge and Trap	NP	
6010C	Metals (ICP)(list upon request)	NP/SW	
7196A	Chromium, Hexavalent	NP/SW	
7470A	Mercury (CVAA)	NP	
7471A	Mercury (CVAA)	SW	
8081B	Organochlorine Pesticides (GC)(list upon request)	NP/SW	
8082A	PCBs by Gas Chromatography(list upon request)	NP/SW	
8260C	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW	
8270D	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW	
9012A	Cyanide, Total and/or Amenable	NP/SW	
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP	
9045C	pH	SW	
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)	NP/SW	
Enterolert	Enterococcus		ambient/source
L107041C	Nitrogen, Nitrate	NP	
L107-06-1B	Nitrogen Ammonia	NP	NP
L204001A CN	Cyanide, Total	P	NP/P
L210-001A	Phenolics, Total Recoverable	NP	NP
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)	NP/SW	
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)	NP/SW	
SM 2320B	Alkalinity	NP/P	NP/P
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P
SM 2540D	Solids, Total Suspended (TSS)	NP	NP
SM 3500 CR D	Chromium, Hexavalent	NP	
SM 4500 Cl F	Chlorine, Residual		NP
SM 4500 H+ B	pH	NP/P	NP/P
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP
SM 4500 P E	Phosphorus, Total	NP	NP
SM 4500 S2 D	Sulfide, Total	NP	
SM 5210B	BOD, 5-Day	NP	NP
SM 5310B	Organic Carbon, Total (TOC)	NP/P	NP
SM 9215E	Heterotrophic Plate Count (SimPlate)		P
SM 9222D	Coliforms, Fecal (Membrane Filter)		NP
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P
SM 9223	Coliforms, Total, and E.Coli (Enumeration)		P

Not all organic compounds are accreditied under YNI
For methods with multiple compounds all compounds may not meet TNI criteria, a listing should be obtained from the laboratory

The lab carries additional accreditations with several states. This is the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Login Sample Receipt Checklist

Client: Tighe & Bond

Job Number: 360-42928-1

Login Number: 42928

List Source: TestAmerica Westfield

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	No additional volume for turbidity method
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact

Company Name: Tighe + Bond
Address: 213 Court St
City/State/Zip: Middletown CT
Phone: 860 704 4769
Project Name: 161 State St
Project Number: 22081-7-16
PO#

Client Project Manager: Amy Vaillancourt
Telephone:
Email: availlancourt@tighebond
Method of Shipment/Carrier: Lab pick up
Shipping/Tracking No:

Site Contact:
Telephone:

Lab Contact:
Telephone:

COC No: 050116
1 of 2 COCs

Analysis Turnaround Time (in BUS days)
TAT if different from below
☐ 3 weeks
☐ 2 weeks
☒ 1 week
☐ 2 days
☐ 1 day

For lab use only
Walk-in client ☐
Lab pickup ☐
Lab sampling ☐
Job/SDG No:

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C/Grab=G	Analyses: ETPH	PAHs	RCP metals	PCBs						Sample Specific Notes / Special Instructions:
~~B-1~~	9/20/12	930				X							X				X		X	X						
~~B-2~~		~~200~~				X							X													
B-3		145				X							X				X	X	X							
B-4		130				X							X				X	X	X							
B-5		220				X							X				X	X	X							
B-6		242				X							X				X	X	X	X	X					
B-7		1000				X							X				X	X	X							
B-8		1230				X							X				X	X	X		X					
B-9		1115				X							X				X	X	X							
B-10		1030				X							X				X	X	X							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
36ϕ-42926

ice/ 0.4°C 0.9

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Amy Vaillancourt		9/21/12 1334	[signature]	TAct	9/21/12 1334
Jen Capece	TA CT	9/21/12 15:30	[signature]	TA WF	9/22/12 11:20
			Received in Laboratory by:		

©2006, TestAmerica Laboratories, Inc. All rights reserved
TestAmerica & Design ™ are trademarks of TestAmerica Laboratories, Inc

TAL 0018- 1 (04/10)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact

Company Name: Tighe + Bond
Address: 213 Court St
City/State/Zip: Middletown CT
Phone: 860 704 4769
Project Name: 161 State St
Project Number: 22 0817-16
PO#

Client Project Manager: Amy Vaillancourt
Telephone:
Email: availlancourt@tighebond.com
Method of Shipment/Carrier: Lab pickup
Shipping/Tracking No:

Site Contact:
Telephone:

Lab Contact:
Telephone:

COC No: 050117
2 of 2 COCs

Analysis Turnaround Time (in BUS days)
TAT if different from below
☐ 3 weeks
☐ 2 weeks
☒ 1 week
☐ 2 days
☐ 1 day

For lab use only
Walk-in client ☐
Lab pickup ☐
Lab sampling ☐
Job/SDG No:

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other: TPH	Filtered Sample (Y/N)	Composite=C / Grab=G	Analyses: TPH	PAHs	RCP metals	8260	PCBs	Turbidity			Sample Specific Notes / Special Instructions:
B-6 Dup	9/20/12	~~0942~~				X				~~X~~			X	X			X	X	X	✓	X				
MW-1	↓	1400		X						X			X				X	X	X	X			✓		metals
MW-2		2350		X						X			X				X	X	X	X			✓		samples
MW-3		3300		X						X			X				X	X	X	X			✓		were
MW-2 Dup	↓	2350		X						X			X				X	X	X	X			✓		filtered
Trip Blank	X			X																X					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
36Ø-42928 Temp Ø.4 Ø.9 ICE

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Amy Vaillancourt		9/21/12 1332	Albert Bravaty	TAet	9/21/12 1334
Jen Capece	TA CT	9/21/12 15:30	[illegible]	TAWF	9/22/12 11:20
			Received in Laboratory by:		

©2008, TestAmerica Laboratories, Inc. All rights reserved
TestAmerica & Design ™ are trademarks of TestAmerica Laboratories, Inc

TAL 0018- 1 (04/10)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Westfield
Westfield Executive Park
53 Southampton Road
Westfield, MA 01085
Tel: (413)572-4000

TestAmerica Job ID: 360-42893-1
Client Project/Site: 161 State St. 220817-16

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

Attn: Amy J. Vaillancourt

Authorized for release by:
10/1/2012 10:51:24 AM
Joe Chimi
Report Production Representative
joe.chimi@testamericainc.com

Designee for

Janine Johnson
Project Manager I
janine.johnson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Detection Summary 6
Method Summary 7
Sample Summary 8
Client Sample Results 9
Definitions 26
QC Association 27
Surrogate Summary 29
QC Sample Results 30
Chronicle 45
Certification Summary 47
Receipt Checklists 49
Chain of Custody 50

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name:	TestAmerica Westfield	***Client:***	**Tighe & Bond**
Project Location:	**161 State St**	***Project Number:***	**360-42893-1**
Laboratory Sample ID (s):	**360-42893-(1-8)**	***Sampling Date (s):***	**9/20/12**
Method:	**SW846 8260, SW846 8260C**		

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

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

This Certification form is to be used for RCP methods only

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

Authorized Signature: Position: Laboratory Director

Printed Name: Steve Hartmann Date: 10/1/12 10:26

The certification form has been electronically signed and approved.

Updated Nov 2007

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Job ID: 360-42893-1

Laboratory: TestAmerica Westfield

Narrative

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

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

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

RECEIPT

The samples were received on 09/21/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 8.4 C.

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

The LCS Duplicate (LCSD) 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.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples B-1 (360-42893-1), B-2 (360-42893-2), B-4 (360-42893-3), B-6 (360-42893-4), B-7 (360-42893-5), B-8 (360-42893-6), B-9 (360-42893-7) and B-10 (360-42893-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260C. The samples were prepared on 09/21/2012, 09/27/2012 and 09/28/2012 and analyzed on 09/26/2012, 09/27/2012 and 09/28/2012.

Methylene Chloride was detected in method blank MB 360-95932/3-A and method blank MB 360-95971/3-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. Refer to the QC report for details.

2-Butanone (MEK), Bromomethane, Chloroethane, Dichlorodifluoromethane and Vinyl chloride failed the recovery criteria low for LCS 360-95932/1-A. 2-Butanone (MEK) failed the recovery criteria low for LCS 360-95971/1-A. Refer to the QC report for details.

1,4-Dichlorobenzene-d4 failed the internal standard (ISTD) criteria low for sample B-8 (360-42893-6) (42.36%). The sample was re-analyzed with a lower recovery (28%). Both sets of results are reported. Detections of Methylene Chloride in this sample and its re-analysis are believed to be laboratory contamination. Analytes affected by this ISTD are: 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene, n-Butylbenzene, 1,1,2,2-Tetrachloroethane, Naphthalene, Bromoform, 1,2-Dibromo-3-Chloropropane, 1,4-Dichlorobenzene, Hexachlorobutadiene.

The calibration curve uses quadratic regression for Vinyl chloride, trans-1,2-Dichloroethene, Methyl tert-butyl ether, 2,2-Dichloropropane, Carbon tetrachloride, 1,1,1-Trichloroethane, 2-Butanone (MEK) and 4-Methyl-d-Pentanone (MIBK).

The following sample was provided to the laboratory with a significantly different initial weight than that required by the reference method: B-7 (360-42893-5). The method requires 1:1 ratio of soil to methanol. The amount provided was below this range.

The following sample was provided to the laboratory with a significantly different initial weight than that required by the reference method: B-4 (360-42893-3). The method requires 1:1 ratio of soil to DI Water. The amount provided was below this range.

No other difficulties were encountered during the VOC analyses.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Job ID: 360-42893-1 (Continued)

Laboratory: TestAmerica Westfield (Continued)

Samples B-1 (360-42893-1), B-2 (360-42893-2), B-4 (360-42893-3), B-6 (360-42893-4), B-7 (360-42893-5), B-8 (360-42893-6), B-9 (360-42893-7) and B-10 (360-42893-8) were analyzed for percent solids in accordance with EPA Moisture. The samples were analyzed on 09/25/2012.

For sample times on the Moisture samples, refer to Chain-of-Custody (COC) number 050116, which is included with this report.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42893-1

Client Sample ID: B-1 — Lab Sample ID: 360-42893-1

No Detections

Client Sample ID: B-2 — Lab Sample ID: 360-42893-2

No Detections

Client Sample ID: B-4 — Lab Sample ID: 360-42893-3

No Detections

Client Sample ID: B-6 — Lab Sample ID: 360-42893-4

No Detections

Client Sample ID: B-7 — Lab Sample ID: 360-42893-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	4900		3200		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B-8 — Lab Sample ID: 360-42893-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	73	*	37		ug/Kg	1	☼	8260	Total/NA
Methylene Chloride	16	B	15		ug/Kg	1	☼	8260	Total/NA
2-Butanone (MEK) - RA	79		40		ug/Kg	1	☼	8260	Total/NA
Methylene Chloride - RA	16		16		ug/Kg	1	☼	8260	Total/NA

Client Sample ID: B-9 — Lab Sample ID: 360-42893-7

No Detections

Client Sample ID: B-10 — Lab Sample ID: 360-42893-8

No Detections

Method Summary

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42893-1

Method	Method Description	Protocol	Laboratory
8260	Volatile Organic Compounds (GC/MS)	SW846	TAL WFD
8260C	Volatile Organic Compounds (GC/MS)	SW846	TAL WFD
Moisture	Percent Moisture	EPA	TAL WFD

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL WFD = TestAmerica Westfield, Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085, TEL (413)572-4000

Sample Summary

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42893-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
360-42893-1	B-1	Solid	09/20/12 09:30	09/21/12 10:20
360-42893-2	B-2	Solid	09/20/12 12:00	09/21/12 10:20
360-42893-3	B-4	Solid	09/20/12 13:30	09/21/12 10:20
360-42893-4	B-6	Solid	09/20/12 11:42	09/21/12 10:20
360-42893-5	B-7	Solid	09/20/12 10:00	09/21/12 10:20
360-42893-6	B-8	Solid	09/20/12 12:30	09/21/12 10:20
360-42893-7	B-9	Solid	09/20/12 11:15	09/21/12 10:20
360-42893-8	B-10	Solid	09/20/12 10:30	09/21/12 10:20

Method: 8260C - Volatile Organic Compounds (GC/MS)

Client Sample ID: B-7
Date Collected: 09/20/12 10:00
Date Received: 09/21/12 10:20

Lab Sample ID: 360-42893-5
Matrix: Solid
Percent Solids: 91.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,1,1-Trichloroethane	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,1,2,2-Tetrachloroethane	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1600		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,1,2-Trichloroethane	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,1-Dichloroethane	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,1-Dichloroethene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,1-Dichloropropene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,2,3-Trichlorobenzene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,2,3-Trichloropropane	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,2,4-Trichlorobenzene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,2,4-Trimethylbenzene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,2-Dibromo-3-Chloropropane	ND		3200		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,2-Dichlorobenzene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,2-Dichloroethane	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,2-Dichloropropane	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,3,5-Trimethylbenzene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,3-Dichlorobenzene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,3-Dichloropropane	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
1,4-Dichlorobenzene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
2,2-Dichloropropane	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
2-Butanone (MEK)	ND	*	3200		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
2-Chlorotoluene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
2-Hexanone	ND		3200		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
4-Chlorotoluene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
4-Isopropyltoluene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
4-Methyl-2-pentanone (MIBK)	ND		3200		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Acetone	ND		32000		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Acrylonitrile	ND		3200		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Benzene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Bromobenzene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Bromoform	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Bromomethane	ND	*	650		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Carbon disulfide	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Carbon tetrachloride	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Chlorobenzene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Chlorodibromomethane	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Chloroethane	ND	*	650		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Chloroform	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Chloromethane	ND		650		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
cis-1,2-Dichloroethene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
cis-1,3-Dichloropropene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Dibromomethane	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Dichlorobromomethane	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Dichlorodifluoromethane	ND	*	650		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Ethylbenzene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Ethylene Dibromide	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Hexachlorobutadiene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Isopropylbenzene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
m-Xylene & p-Xylene	ND		650		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Methyl tert-butyl ether	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: B-7
Date Collected: 09/20/12 10:00
Date Received: 09/21/12 10:20

Lab Sample ID: 360-42893-5
Matrix: Solid
Percent Solids: 91.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1300		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
n-Butylbenzene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
N-Propylbenzene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Naphthalene	**4900**		3200		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
o-Xylene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
sec-Butylbenzene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Styrene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
tert-Butylbenzene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Tetrachloroethene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Tetrahydrofuran	ND		6500		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Toluene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
trans-1,2-Dichloroethene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
trans-1,3-Dichloropropene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
trans-1,4-Dichloro-2-butene	ND		650		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Trichloroethene	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Trichlorofluoromethane	ND		650		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Vinyl chloride	ND	*	320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1
Xylenes, Total	ND		320		ug/Kg	☼	09/21/12 17:05	09/26/12 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*		*70 - 130*	*09/21/12 17:05*	*09/26/12 22:55*	*1*
Dibromofluoromethane	*89*		*70 - 130*	*09/21/12 17:05*	*09/26/12 22:55*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*09/21/12 17:05*	*09/26/12 22:55*	*1*

Method: 8260 - Volatile Organic Compounds (GC/MS)

Client Sample ID: B-1
Date Collected: 09/20/12 09:30
Date Received: 09/21/12 10:20

Lab Sample ID: 360-42893-1
Matrix: Solid
Percent Solids: 93.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,1,1-Trichloroethane	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,1,2,2-Tetrachloroethane	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		14		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,1,2-Trichloroethane	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,1-Dichloroethane	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,1-Dichloroethene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,1-Dichloropropene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,2,3-Trichlorobenzene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,2,3-Trichloropropane	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,2,4-Trichlorobenzene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,2,4-Trimethylbenzene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,2-Dibromo-3-Chloropropane	ND		29		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,2-Dichlorobenzene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,2-Dichloroethane	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,2-Dichloropropane	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,3,5-Trimethylbenzene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,3-Dichlorobenzene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,3-Dichloropropane	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
1,4-Dichlorobenzene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
2,2-Dichloropropane	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
2-Butanone (MEK)	ND	*	29		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
2-Chlorotoluene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
2-Hexanone	ND		29		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
4-Chlorotoluene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
4-Isopropyltoluene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
4-Methyl-2-pentanone (MIBK)	ND		29		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Acetone	ND		290		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Acrylonitrile	ND		29		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Benzene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Bromobenzene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Bromoform	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Bromomethane	ND		5.8		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Carbon disulfide	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Carbon tetrachloride	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Chlorobenzene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Chlorodibromomethane	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Chloroethane	ND		5.8		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Chloroform	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Chloromethane	ND		5.8		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
cis-1,2-Dichloroethene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
cis-1,3-Dichloropropene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Dibromomethane	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Dichlorobromomethane	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Dichlorodifluoromethane	ND		5.8		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Ethylbenzene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Ethylene Dibromide	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Hexachlorobutadiene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Isopropylbenzene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
m-Xylene & p-Xylene	ND		5.8		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Methyl tert-butyl ether	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1

Method: 8260 - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: B-1 — **Lab Sample ID: 360-42893-1**
Date Collected: 09/20/12 09:30 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 93.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
N-Propylbenzene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Naphthalene	ND		29		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
o-Xylene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
sec-Butylbenzene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Styrene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
tert-Butylbenzene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Tetrachloroethene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Tetrahydrofuran	ND		58		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Toluene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
trans-1,2-Dichloroethene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
trans-1,3-Dichloropropene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
trans-1,4-Dichloro-2-butene	ND		5.8		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Trichloroethene	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Trichlorofluoromethane	ND		5.8		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Vinyl chloride	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1
Xylenes, Total	ND		2.9		ug/Kg	☼	09/27/12 13:31	09/27/12 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*70 - 130*	*09/27/12 13:31*	*09/27/12 19:33*	*1*
Dibromofluoromethane	*99*		*70 - 130*	*09/27/12 13:31*	*09/27/12 19:33*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*09/27/12 13:31*	*09/27/12 19:33*	*1*

Client Sample ID: B-2 — **Lab Sample ID: 360-42893-2**
Date Collected: 09/20/12 12:00 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 93.1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,1,1-Trichloroethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,1,2,2-Tetrachloroethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,1,2-Trichloroethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,1-Dichloroethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,1-Dichloroethene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,1-Dichloropropene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,2,3-Trichlorobenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,2,3-Trichloropropane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,2,4-Trichlorobenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,2,4-Trimethylbenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,2-Dibromo-3-Chloropropane	ND		24		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,2-Dichlorobenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,2-Dichloroethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,2-Dichloropropane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,3,5-Trimethylbenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,3-Dichlorobenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,3-Dichloropropane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
1,4-Dichlorobenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
2,2-Dichloropropane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
2-Butanone (MEK)	ND	*	24		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
2-Chlorotoluene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
2-Hexanone	ND		24		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1

Method: 8260 - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: B-2
Date Collected: 09/20/12 12:00
Date Received: 09/21/12 10:20

Lab Sample ID: 360-42893-2
Matrix: Solid
Percent Solids: 93.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
4-Isopropyltoluene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
4-Methyl-2-pentanone (MIBK)	ND		24		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Acetone	ND		240		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Acrylonitrile	ND		24		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Benzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Bromobenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Bromoform	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Bromomethane	ND		4.8		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Carbon disulfide	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Carbon tetrachloride	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Chlorobenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Chlorodibromomethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Chloroethane	ND		4.8		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Chloroform	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Chloromethane	ND		4.8		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
cis-1,2-Dichloroethene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
cis-1,3-Dichloropropene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Dibromomethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Dichlorobromomethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Dichlorodifluoromethane	ND		4.8		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Ethylbenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Ethylene Dibromide	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Hexachlorobutadiene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Isopropylbenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
m-Xylene & p-Xylene	ND		4.8		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Methyl tert-butyl ether	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
n-Butylbenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
N-Propylbenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Naphthalene	ND		24		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
o-Xylene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
sec-Butylbenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Styrene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
tert-Butylbenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Tetrachloroethene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Tetrahydrofuran	ND		48		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Toluene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
trans-1,2-Dichloroethene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
trans-1,3-Dichloropropene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
trans-1,4-Dichloro-2-butene	ND		4.8		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Trichloroethene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Trichlorofluoromethane	ND		4.8		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Vinyl chloride	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1
Xylenes, Total	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*70 - 130*	*09/27/12 13:31*	*09/27/12 19:56*	*1*
Dibromofluoromethane	*114*		*70 - 130*	*09/27/12 13:31*	*09/27/12 19:56*	*1*
Toluene-d8 (Surr)	*116*		*70 - 130*	*09/27/12 13:31*	*09/27/12 19:56*	*1*

Method: 8260 - Volatile Organic Compounds (GC/MS)

Client Sample ID: B-4
Date Collected: 09/20/12 13:30
Date Received: 09/21/12 10:20

Lab Sample ID: 360-42893-3
Matrix: Solid
Percent Solids: 72.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,1,1-Trichloroethane	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,1,2,2-Tetrachloroethane	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		23		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,1,2-Trichloroethane	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,1-Dichloroethane	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,1-Dichloroethene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,1-Dichloropropene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,2,3-Trichlorobenzene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,2,3-Trichloropropane	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,2,4-Trichlorobenzene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,2,4-Trimethylbenzene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,2-Dibromo-3-Chloropropane	ND		46		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,2-Dichlorobenzene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,2-Dichloroethane	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,2-Dichloropropane	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,3,5-Trimethylbenzene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,3-Dichlorobenzene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,3-Dichloropropane	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
1,4-Dichlorobenzene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
2,2-Dichloropropane	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
2-Butanone (MEK)	ND		46		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
2-Chlorotoluene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
2-Hexanone	ND		46		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
4-Chlorotoluene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
4-Isopropyltoluene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
4-Methyl-2-pentanone (MIBK)	ND		46		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Acetone	ND		460		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Acrylonitrile	ND		46		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Benzene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Bromobenzene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Bromoform	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Bromomethane	ND		9.3		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Carbon disulfide	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Carbon tetrachloride	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Chlorobenzene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Chlorodibromomethane	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Chloroethane	ND		9.3		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Chloroform	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Chloromethane	ND		9.3		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
cis-1,2-Dichloroethene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
cis-1,3-Dichloropropene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Dibromomethane	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Dichlorobromomethane	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Dichlorodifluoromethane	ND		9.3		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Ethylbenzene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Ethylene Dibromide	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Hexachlorobutadiene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Isopropylbenzene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
m-Xylene & p-Xylene	ND		9.3		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Methyl tert-butyl ether	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1

Method: 8260 - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: B-4 — **Lab Sample ID: 360-42893-3**
Date Collected: 09/20/12 13:30 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 72.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		19		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
n-Butylbenzene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
N-Propylbenzene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Naphthalene	ND		46		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
o-Xylene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
sec-Butylbenzene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Styrene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
tert-Butylbenzene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Tetrachloroethene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Tetrahydrofuran	ND		93		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Toluene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
trans-1,2-Dichloroethene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
trans-1,3-Dichloropropene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
trans-1,4-Dichloro-2-butene	ND		9.3		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Trichloroethene	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Trichlorofluoromethane	ND		9.3		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Vinyl chloride	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1
Xylenes, Total	ND		4.6		ug/Kg	☼	09/28/12 10:31	09/28/12 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*	*09/28/12 10:31*	*09/28/12 14:35*	*1*
Dibromofluoromethane	*103*		*70 - 130*	*09/28/12 10:31*	*09/28/12 14:35*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*	*09/28/12 10:31*	*09/28/12 14:35*	*1*

Client Sample ID: B-6 — **Lab Sample ID: 360-42893-4**
Date Collected: 09/20/12 11:42 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 87.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,1,1-Trichloroethane	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,1,2,2-Tetrachloroethane	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		19		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,1,2-Trichloroethane	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,1-Dichloroethane	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,1-Dichloroethene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,1-Dichloropropene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,2,3-Trichlorobenzene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,2,3-Trichloropropane	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,2,4-Trichlorobenzene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,2,4-Trimethylbenzene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,2-Dibromo-3-Chloropropane	ND		38		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,2-Dichlorobenzene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,2-Dichloroethane	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,2-Dichloropropane	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,3,5-Trimethylbenzene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,3-Dichlorobenzene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,3-Dichloropropane	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
1,4-Dichlorobenzene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
2,2-Dichloropropane	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
2-Butanone (MEK)	ND	*	38		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
2-Chlorotoluene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1

Method: 8260 - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: B-6
Date Collected: 09/20/12 11:42
Date Received: 09/21/12 10:20

Lab Sample ID: 360-42893-4
Matrix: Solid
Percent Solids: 87.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		38		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
4-Chlorotoluene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
4-Isopropyltoluene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
4-Methyl-2-pentanone (MIBK)	ND		38		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Acetone	ND		380		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Acrylonitrile	ND		38		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Benzene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Bromobenzene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Bromoform	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Bromomethane	ND		7.6		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Carbon disulfide	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Carbon tetrachloride	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Chlorobenzene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Chlorodibromomethane	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Chloroethane	ND		7.6		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Chloroform	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Chloromethane	ND		7.6		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
cis-1,2-Dichloroethene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
cis-1,3-Dichloropropene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Dibromomethane	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Dichlorobromomethane	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Dichlorodifluoromethane	ND		7.6		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Ethylbenzene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Ethylene Dibromide	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Hexachlorobutadiene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Isopropylbenzene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
m-Xylene & p-Xylene	ND		7.6		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Methyl tert-butyl ether	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Methylene Chloride	ND		15		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
n-Butylbenzene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
N-Propylbenzene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Naphthalene	ND		38		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
o-Xylene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
sec-Butylbenzene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Styrene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
tert-Butylbenzene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Tetrachloroethene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Tetrahydrofuran	ND		76		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Toluene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
trans-1,2-Dichloroethene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
trans-1,3-Dichloropropene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
trans-1,4-Dichloro-2-butene	ND		7.6		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Trichloroethene	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Trichlorofluoromethane	ND		7.6		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Vinyl chloride	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1
Xylenes, Total	ND		3.8		ug/Kg	☼	09/27/12 13:31	09/27/12 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 130*	*09/27/12 13:31*	*09/27/12 20:42*	*1*
Dibromofluoromethane	*92*		*70 - 130*	*09/27/12 13:31*	*09/27/12 20:42*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*09/27/12 13:31*	*09/27/12 20:42*	*1*

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42893-1

Method: 8260 - Volatile Organic Compounds (GC/MS)

Client Sample ID: B-8
Date Collected: 09/20/12 12:30
Date Received: 09/21/12 10:20

Lab Sample ID: 360-42893-6
Matrix: Solid
Percent Solids: 68.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,1,1-Trichloroethane	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,1,2,2-Tetrachloroethane	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		18		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,1,2-Trichloroethane	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,1-Dichloroethane	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,1-Dichloroethene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,1-Dichloropropene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,2,3-Trichlorobenzene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,2,3-Trichloropropane	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,2,4-Trichlorobenzene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,2,4-Trimethylbenzene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,2-Dibromo-3-Chloropropane	ND		37		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,2-Dichlorobenzene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,2-Dichloroethane	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,2-Dichloropropane	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,3,5-Trimethylbenzene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,3-Dichlorobenzene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,3-Dichloropropane	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
1,4-Dichlorobenzene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
2,2-Dichloropropane	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
2-Butanone (MEK)	**73**	*	37		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
2-Chlorotoluene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
2-Hexanone	ND		37		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
4-Chlorotoluene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
4-Isopropyltoluene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
4-Methyl-2-pentanone (MIBK)	ND		37		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Acetone	ND		370		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Acrylonitrile	ND		37		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Benzene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Bromobenzene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Bromoform	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Bromomethane	ND		7.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Carbon disulfide	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Carbon tetrachloride	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Chlorobenzene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Chlorodibromomethane	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Chloroethane	ND		7.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Chloroform	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Chloromethane	ND		7.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
cis-1,2-Dichloroethene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
cis-1,3-Dichloropropene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Dibromomethane	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Dichlorobromomethane	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Dichlorodifluoromethane	ND		7.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Ethylbenzene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Ethylene Dibromide	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Hexachlorobutadiene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Isopropylbenzene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
m-Xylene & p-Xylene	ND		7.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Methyl tert-butyl ether	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1

Method: 8260 - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: B-8 — **Lab Sample ID: 360-42893-6**
Date Collected: 09/20/12 12:30 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 68.7**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	**16**	**B**	15		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
n-Butylbenzene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
N-Propylbenzene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Naphthalene	ND		37		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
o-Xylene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
sec-Butylbenzene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Styrene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
tert-Butylbenzene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Tetrachloroethene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Tetrahydrofuran	ND		74		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Toluene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
trans-1,2-Dichloroethene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
trans-1,3-Dichloropropene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
trans-1,4-Dichloro-2-butene	ND		7.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Trichloroethene	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Trichlorofluoromethane	ND		7.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Vinyl chloride	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1
Xylenes, Total	ND		3.7		ug/Kg	☼	09/27/12 13:31	09/27/12 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*70 - 130*	*09/27/12 13:31*	*09/27/12 21:05*	*1*
Dibromofluoromethane	*105*		*70 - 130*	*09/27/12 13:31*	*09/27/12 21:05*	*1*
Toluene-d8 (Surr)	*84*		*70 - 130*	*09/27/12 13:31*	*09/27/12 21:05*	*1*

Client Sample ID: B-9 — **Lab Sample ID: 360-42893-7**
Date Collected: 09/20/12 11:15 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 84.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,1,1-Trichloroethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,1,2,2-Tetrachloroethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,1,2-Trichloroethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,1-Dichloroethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,1-Dichloroethene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,1-Dichloropropene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,2,3-Trichlorobenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,2,3-Trichloropropane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,2,4-Trichlorobenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,2,4-Trimethylbenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,2-Dibromo-3-Chloropropane	ND		24		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,2-Dichlorobenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,2-Dichloroethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,2-Dichloropropane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,3,5-Trimethylbenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,3-Dichlorobenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,3-Dichloropropane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
1,4-Dichlorobenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
2,2-Dichloropropane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
2-Butanone (MEK)	ND	*	24		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
2-Chlorotoluene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1

Method: 8260 - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: B-9
Date Collected: 09/20/12 11:15
Date Received: 09/21/12 10:20

Lab Sample ID: 360-42893-7
Matrix: Solid
Percent Solids: 84.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		24		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
4-Chlorotoluene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
4-Isopropyltoluene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
4-Methyl-2-pentanone (MIBK)	ND		24		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Acetone	ND		240		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Acrylonitrile	ND		24		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Benzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Bromobenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Bromoform	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Bromomethane	ND		4.9		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Carbon disulfide	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Carbon tetrachloride	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Chlorobenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Chlorodibromomethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Chloroethane	ND		4.9		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Chloroform	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Chloromethane	ND		4.9		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
cis-1,2-Dichloroethene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
cis-1,3-Dichloropropene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Dibromomethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Dichlorobromomethane	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Dichlorodifluoromethane	ND		4.9		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Ethylbenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Ethylene Dibromide	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Hexachlorobutadiene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Isopropylbenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
m-Xylene & p-Xylene	ND		4.9		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Methyl tert-butyl ether	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
n-Butylbenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
N-Propylbenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Naphthalene	ND		24		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
o-Xylene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
sec-Butylbenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Styrene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
tert-Butylbenzene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Tetrachloroethene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Tetrahydrofuran	ND		49		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Toluene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
trans-1,2-Dichloroethene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
trans-1,3-Dichloropropene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
trans-1,4-Dichloro-2-butene	ND		4.9		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Trichloroethene	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Trichlorofluoromethane	ND		4.9		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Vinyl chloride	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1
Xylenes, Total	ND		2.4		ug/Kg	☼	09/27/12 13:31	09/27/12 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*	*09/27/12 13:31*	*09/27/12 21:28*	*1*
Dibromofluoromethane	*88*		*70 - 130*	*09/27/12 13:31*	*09/27/12 21:28*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*09/27/12 13:31*	*09/27/12 21:28*	*1*

Method: 8260 - Volatile Organic Compounds (GC/MS)

Client Sample ID: B-10
Date Collected: 09/20/12 10:30
Date Received: 09/21/12 10:20

Lab Sample ID: 360-42893-8
Matrix: Solid
Percent Solids: 79.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,1,1-Trichloroethane	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,1,2,2-Tetrachloroethane	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,1,2-Trichloroethane	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,1-Dichloroethane	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,1-Dichloroethene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,1-Dichloropropene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,2,3-Trichlorobenzene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,2,3-Trichloropropane	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,2,4-Trichlorobenzene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,2,4-Trimethylbenzene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,2-Dibromo-3-Chloropropane	ND		30		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,2-Dichlorobenzene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,2-Dichloroethane	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,2-Dichloropropane	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,3,5-Trimethylbenzene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,3-Dichlorobenzene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,3-Dichloropropane	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
1,4-Dichlorobenzene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
2,2-Dichloropropane	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
2-Butanone (MEK)	ND	*	30		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
2-Chlorotoluene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
2-Hexanone	ND		30		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
4-Chlorotoluene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
4-Isopropyltoluene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
4-Methyl-2-pentanone (MIBK)	ND		30		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Acetone	ND		300		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Acrylonitrile	ND		30		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Benzene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Bromobenzene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Bromoform	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Bromomethane	ND		5.9		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Carbon disulfide	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Carbon tetrachloride	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Chlorobenzene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Chlorodibromomethane	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Chloroethane	ND		5.9		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Chloroform	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Chloromethane	ND		5.9		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
cis-1,2-Dichloroethene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
cis-1,3-Dichloropropene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Dibromomethane	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Dichlorobromomethane	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Dichlorodifluoromethane	ND		5.9		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Ethylbenzene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Ethylene Dibromide	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Hexachlorobutadiene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Isopropylbenzene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
m-Xylene & p-Xylene	ND		5.9		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Methyl tert-butyl ether	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1

Method: 8260 - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: B-10
Date Collected: 09/20/12 10:30
Date Received: 09/21/12 10:20

Lab Sample ID: 360-42893-8
Matrix: Solid
Percent Solids: 79.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
N-Propylbenzene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Naphthalene	ND		30		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
o-Xylene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
sec-Butylbenzene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Styrene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
tert-Butylbenzene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Tetrachloroethene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Tetrahydrofuran	ND		59		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Toluene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
trans-1,2-Dichloroethene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
trans-1,3-Dichloropropene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
trans-1,4-Dichloro-2-butene	ND		5.9		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Trichloroethene	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Trichlorofluoromethane	ND		5.9		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Vinyl chloride	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1
Xylenes, Total	ND		3.0		ug/Kg	☼	09/27/12 13:31	09/27/12 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*	*09/27/12 13:31*	*09/27/12 21:50*	*1*
Dibromofluoromethane	*94*		*70 - 130*	*09/27/12 13:31*	*09/27/12 21:50*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*09/27/12 13:31*	*09/27/12 21:50*	*1*

Method: 8260 - Volatile Organic Compounds (GC/MS) - RA

Client Sample ID: B-1 — **Lab Sample ID: 360-42893-1**
Date Collected: 09/20/12 09:30 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 93.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		11		ug/Kg	☼	09/28/12 10:31	09/28/12 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 130*	*09/28/12 10:31*	*09/28/12 13:50*	*1*
Dibromofluoromethane	*99*		*70 - 130*	*09/28/12 10:31*	*09/28/12 13:50*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*09/28/12 10:31*	*09/28/12 13:50*	*1*

Client Sample ID: B-2 — **Lab Sample ID: 360-42893-2**
Date Collected: 09/20/12 12:00 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 93.1**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		13		ug/Kg	☼	09/28/12 10:31	09/28/12 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*	*09/28/12 10:31*	*09/28/12 14:12*	*1*
Dibromofluoromethane	*103*		*70 - 130*	*09/28/12 10:31*	*09/28/12 14:12*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*09/28/12 10:31*	*09/28/12 14:12*	*1*

Client Sample ID: B-8 — **Lab Sample ID: 360-42893-6**
Date Collected: 09/20/12 12:30 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 68.7**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,1,1-Trichloroethane	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,1,2,2-Tetrachloroethane	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,1,2-Trichloroethane	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,1-Dichloroethane	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,1-Dichloroethene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,1-Dichloropropene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,2,3-Trichlorobenzene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,2,3-Trichloropropane	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,2,4-Trichlorobenzene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,2,4-Trimethylbenzene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,2-Dibromo-3-Chloropropane	ND		40		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,2-Dichlorobenzene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,2-Dichloroethane	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,2-Dichloropropane	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,3,5-Trimethylbenzene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,3-Dichlorobenzene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,3-Dichloropropane	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
1,4-Dichlorobenzene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
2,2-Dichloropropane	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
2-Butanone (MEK)	**79**		40		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
2-Chlorotoluene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
2-Hexanone	ND		40		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
4-Chlorotoluene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
4-Isopropyltoluene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
4-Methyl-2-pentanone (MIBK)	ND		40		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Acetone	ND		400		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Acrylonitrile	ND		40		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Benzene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1

Method: 8260 - Volatile Organic Compounds (GC/MS) - RA (Continued)

Client Sample ID: B-8 — **Lab Sample ID: 360-42893-6**
Date Collected: 09/20/12 12:30 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 68.7**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Bromoform	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Bromomethane	ND		8.1		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Carbon disulfide	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Carbon tetrachloride	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Chlorobenzene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Chlorodibromomethane	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Chloroethane	ND		8.1		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Chloroform	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Chloromethane	ND		8.1		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
cis-1,2-Dichloroethene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
cis-1,3-Dichloropropene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Dibromomethane	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Dichlorobromomethane	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Dichlorodifluoromethane	ND		8.1		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Ethylbenzene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Ethylene Dibromide	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Hexachlorobutadiene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Isopropylbenzene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
m-Xylene & p-Xylene	ND		8.1		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Methyl tert-butyl ether	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Methylene Chloride	**16**		16		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
n-Butylbenzene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
N-Propylbenzene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Naphthalene	ND		40		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
o-Xylene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
sec-Butylbenzene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Styrene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
tert-Butylbenzene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Tetrachloroethene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Tetrahydrofuran	ND		81		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Toluene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
trans-1,2-Dichloroethene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
trans-1,3-Dichloropropene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
trans-1,4-Dichloro-2-butene	ND		8.1		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Trichloroethene	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Trichlorofluoromethane	ND		8.1		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Vinyl chloride	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1
Xylenes, Total	ND		4.0		ug/Kg	☼	09/28/12 10:31	09/28/12 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*77*		*70 - 130*	*09/28/12 10:31*	*09/28/12 14:58*	*1*
Dibromofluoromethane	*96*		*70 - 130*	*09/28/12 10:31*	*09/28/12 14:58*	*1*
Toluene-d8 (Surr)	*83*		*70 - 130*	*09/28/12 10:31*	*09/28/12 14:58*	*1*

Client Sample ID: B-9 — **Lab Sample ID: 360-42893-7**
Date Collected: 09/20/12 11:15 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 84.6**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		9.8		ug/Kg	☼	09/28/12 10:37	09/28/12 15:21	1

Method: 8260 - Volatile Organic Compounds (GC/MS) - RA (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		70 - 130	09/28/12 10:37	09/28/12 15:21	1
Dibromofluoromethane	100		70 - 130	09/28/12 10:37	09/28/12 15:21	1
Toluene-d8 (Surr)	97		70 - 130	09/28/12 10:37	09/28/12 15:21	1

Client Sample ID: B-10 — **Lab Sample ID: 360-42893-8**
Date Collected: 09/20/12 10:30 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 79.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		12		ug/Kg	☼	09/28/12 10:37	09/28/12 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		70 - 130	09/28/12 10:37	09/28/12 15:44	1
Dibromofluoromethane	102		70 - 130	09/28/12 10:37	09/28/12 15:44	1
Toluene-d8 (Surr)	103		70 - 130	09/28/12 10:37	09/28/12 15:44	1

General Chemistry

Client Sample ID: B-1 — **Lab Sample ID: 360-42893-1**
Date Collected: 09/20/12 09:30 — **Matrix: Solid**
Date Received: 09/21/12 10:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.4		1.0		%			09/25/12 17:15	1
Percent Solids	94		1.0		%			09/25/12 17:15	1

Client Sample ID: B-2 — **Lab Sample ID: 360-42893-2**
Date Collected: 09/20/12 12:00 — **Matrix: Solid**
Date Received: 09/21/12 10:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.9		1.0		%			09/25/12 17:15	1
Percent Solids	93		1.0		%			09/25/12 17:15	1

Client Sample ID: B-4 — **Lab Sample ID: 360-42893-3**
Date Collected: 09/20/12 13:30 — **Matrix: Solid**
Date Received: 09/21/12 10:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	28		1.0		%			09/25/12 16:25	1
Percent Solids	72		1.0		%			09/25/12 16:25	1

Client Sample ID: B-6 — **Lab Sample ID: 360-42893-4**
Date Collected: 09/20/12 11:42 — **Matrix: Solid**
Date Received: 09/21/12 10:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0		%			09/25/12 16:25	1
Percent Solids	88		1.0		%			09/25/12 16:25	1

Client Sample ID: B-7 — **Lab Sample ID: 360-42893-5**
Date Collected: 09/20/12 10:00 — **Matrix: Solid**
Date Received: 09/21/12 10:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.2		1.0		%			09/25/12 16:25	1
Percent Solids	92		1.0		%			09/25/12 16:25	1

Client Sample ID: B-8 — **Lab Sample ID: 360-42893-6**
Date Collected: 09/20/12 12:30 — **Matrix: Solid**
Date Received: 09/21/12 10:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	31		1.0		%			09/25/12 16:25	1
Percent Solids	69		1.0		%			09/25/12 16:25	1

Client Sample ID: B-9 — **Lab Sample ID: 360-42893-7**
Date Collected: 09/20/12 11:15 — **Matrix: Solid**
Date Received: 09/21/12 10:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0		%			09/25/12 16:25	1
Percent Solids	85		1.0		%			09/25/12 16:25	1

Client Sample ID: B-10 — **Lab Sample ID: 360-42893-8**
Date Collected: 09/20/12 10:30 — **Matrix: Solid**
Date Received: 09/21/12 10:20

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		1.0		%			09/25/12 16:25	1
Percent Solids	79		1.0		%			09/25/12 16:25	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42893-1

GC/MS VOA

Prep Batch: 95932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42893-5	B-7	Total/NA	Solid	5035	
LCS 360-95932/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 360-95932/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 360-95932/3-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 95941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42893-5	B-7	Total/NA	Solid	8260C	95932
LCS 360-95932/1-A	Lab Control Sample	Total/NA	Solid	8260C	95932
LCSD 360-95932/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	95932
MB 360-95932/3-A	Method Blank	Total/NA	Solid	8260C	95932

Prep Batch: 95971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42893-1	B-1	Total/NA	Solid	5035	
360-42893-2	B-2	Total/NA	Solid	5035	
360-42893-4	B-6	Total/NA	Solid	5035	
360-42893-6	B-8	Total/NA	Solid	5035	
360-42893-7	B-9	Total/NA	Solid	5035	
360-42893-8	B-10	Total/NA	Solid	5035	
LCS 360-95971/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 360-95971/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 360-95971/3-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 95988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42893-1	B-1	Total/NA	Solid	8260	95971
360-42893-2	B-2	Total/NA	Solid	8260	95971
360-42893-4	B-6	Total/NA	Solid	8260	95971
360-42893-6	B-8	Total/NA	Solid	8260	95971
360-42893-7	B-9	Total/NA	Solid	8260	95971
360-42893-8	B-10	Total/NA	Solid	8260	95971
LCS 360-95971/1-A	Lab Control Sample	Total/NA	Solid	8260	95971
LCSD 360-95971/2-A	Lab Control Sample Dup	Total/NA	Solid	8260	95971
MB 360-95971/3-A	Method Blank	Total/NA	Solid	8260	95971

Prep Batch: 96005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42893-1 - RA	B-1	Total/NA	Solid	5035	
360-42893-2 - RA	B-2	Total/NA	Solid	5035	
360-42893-3	B-4	Total/NA	Solid	5035	
360-42893-6 - RA	B-8	Total/NA	Solid	5035	
360-42893-7 - RA	B-9	Total/NA	Solid	5035	
360-42893-8 - RA	B-10	Total/NA	Solid	5035	
LCS 360-96005/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 360-96005/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 360-96005/3-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 96009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42893-1 - RA	B-1	Total/NA	Solid	8260	96005
360-42893-2 - RA	B-2	Total/NA	Solid	8260	96005

QC Association Summary

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42893-1

GC/MS VOA (Continued)

Analysis Batch: 96009 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42893-3	B-4	Total/NA	Solid	8260	96005
360-42893-6 - RA	B-8	Total/NA	Solid	8260	96005
360-42893-7 - RA	B-9	Total/NA	Solid	8260	96005
360-42893-8 - RA	B-10	Total/NA	Solid	8260	96005
LCS 360-96005/1-A	Lab Control Sample	Total/NA	Solid	8260	96005
LCSD 360-96005/2-A	Lab Control Sample Dup	Total/NA	Solid	8260	96005
MB 360-96005/3-A	Method Blank	Total/NA	Solid	8260	96005

General Chemistry

Analysis Batch: 95879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-42893-1	B-1	Total/NA	Solid	Moisture	
360-42893-2	B-2	Total/NA	Solid	Moisture	
360-42893-3	B-4	Total/NA	Solid	Moisture	
360-42893-4	B-6	Total/NA	Solid	Moisture	
360-42893-5	B-7	Total/NA	Solid	Moisture	
360-42893-6	B-8	Total/NA	Solid	Moisture	
360-42893-7	B-9	Total/NA	Solid	Moisture	
360-42893-8	B-10	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42893-1

Method: 8260 - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
360-42893-1	B-1	86	99	96
360-42893-1 - RA	B-1	92	99	98
360-42893-2	B-2	90	114	116
360-42893-2 - RA	B-2	101	103	101
360-42893-3	B-4	94	103	94
360-42893-4	B-6	92	92	97
360-42893-6	B-8	89	105	84
360-42893-6 - RA	B-8	77	96	83
360-42893-7	B-9	95	88	98
360-42893-7 - RA	B-9	100	100	97
360-42893-8	B-10	100	94	99
360-42893-8 - RA	B-10	92	102	103
LCS 360-95971/1-A	Lab Control Sample	100	89	94
LCS 360-96005/1-A	Lab Control Sample	96	105	103
LCSD 360-95971/2-A	Lab Control Sample Dup	112	124	124
LCSD 360-96005/2-A	Lab Control Sample Dup	99	104	101
MB 360-95971/3-A	Method Blank	112	104	120
MB 360-96005/3-A	Method Blank	86	100	101

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
360-42893-5	B-7	84	89	98
LCS 360-95932/1-A	Lab Control Sample	100	92	93
LCSD 360-95932/2-A	Lab Control Sample Dup	100	100	101
MB 360-95932/3-A	Method Blank	96	90	101

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 360-95971/3-A
Matrix: Solid
Analysis Batch: 95988

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,1,1-Trichloroethane	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,1,2,2-Tetrachloroethane	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,1,2-Trichloroethane	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,1-Dichloroethane	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,1-Dichloroethene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,1-Dichloropropene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,2,3-Trichlorobenzene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,2,3-Trichloropropane	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,2,4-Trichlorobenzene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,2,4-Trimethylbenzene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,2-Dibromo-3-Chloropropane	ND		25		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,2-Dichlorobenzene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,2-Dichloroethane	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,2-Dichloropropane	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,3,5-Trimethylbenzene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,3-Dichlorobenzene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,3-Dichloropropane	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
1,4-Dichlorobenzene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
2,2-Dichloropropane	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
2-Butanone (MEK)	ND		25		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
2-Chlorotoluene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
2-Hexanone	ND		25		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
4-Chlorotoluene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
4-Isopropyltoluene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Acetone	ND		250		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Acrylonitrile	ND		25		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Benzene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Bromobenzene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Bromoform	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Bromomethane	ND		5.0		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Carbon disulfide	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Carbon tetrachloride	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Chlorobenzene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Chlorodibromomethane	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Chloroethane	ND		5.0		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Chloroform	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Chloromethane	ND		5.0		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
cis-1,2-Dichloroethene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
cis-1,3-Dichloropropene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Dibromomethane	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Dichlorobromomethane	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Ethylbenzene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Ethylene Dibromide	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Hexachlorobutadiene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Isopropylbenzene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1

Method: 8260 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-95971/3-A
Matrix: Solid
Analysis Batch: 95988

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95971

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		5.0		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Methyl tert-butyl ether	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Methylene Chloride	10.6		10		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
n-Butylbenzene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
N-Propylbenzene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Naphthalene	ND		25		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
o-Xylene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
sec-Butylbenzene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Styrene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
tert-Butylbenzene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Tetrachloroethene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Tetrahydrofuran	ND		50		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Toluene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
trans-1,2-Dichloroethene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
trans-1,3-Dichloropropene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Trichloroethene	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Trichlorofluoromethane	ND		5.0		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Vinyl chloride	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1
Xylenes, Total	ND		2.5		ug/Kg		09/27/12 13:31	09/27/12 18:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*		*70 - 130*	*09/27/12 13:31*	*09/27/12 18:03*	*1*
Dibromofluoromethane	*104*		*70 - 130*	*09/27/12 13:31*	*09/27/12 18:03*	*1*
Toluene-d8 (Surr)	*120*		*70 - 130*	*09/27/12 13:31*	*09/27/12 18:03*	*1*

Lab Sample ID: LCS 360-95971/1-A
Matrix: Solid
Analysis Batch: 95988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	100	89.8		ug/Kg		90	70 - 130
1,1,1-Trichloroethane	100	86.7		ug/Kg		87	70 - 130
1,1,2,2-Tetrachloroethane	100	89.1		ug/Kg		89	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroetha ne	100	77.2		ug/Kg		77	70 - 130
1,1,2-Trichloroethane	100	84.5		ug/Kg		84	70 - 130
1,1-Dichloroethane	100	92.5		ug/Kg		93	70 - 130
1,1-Dichloroethene	100	90.8		ug/Kg		91	70 - 130
1,1-Dichloropropene	100	85.9		ug/Kg		86	70 - 130
1,2,3-Trichlorobenzene	100	84.4		ug/Kg		84	70 - 130
1,2,3-Trichloropropane	100	88.8		ug/Kg		89	70 - 130
1,2,4-Trichlorobenzene	100	91.2		ug/Kg		91	70 - 130
1,2,4-Trimethylbenzene	100	90.5		ug/Kg		90	70 - 130
1,2-Dibromo-3-Chloropropane	100	100		ug/Kg		100	70 - 130
1,2-Dichlorobenzene	100	85.3		ug/Kg		85	70 - 130
1,2-Dichloroethane	100	85.2		ug/Kg		85	70 - 130
1,2-Dichloropropane	100	89.3		ug/Kg		89	70 - 130
1,3,5-Trimethylbenzene	100	89.2		ug/Kg		89	70 - 130
1,3-Dichlorobenzene	100	86.6		ug/Kg		87	70 - 130

Method: 8260 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-95971/1-A
Matrix: Solid
Analysis Batch: 95988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 95971

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	100	85.8		ug/Kg		86	70 - 130
1,4-Dichlorobenzene	100	87.8		ug/Kg		88	70 - 130
2,2-Dichloropropane	100	94.3		ug/Kg		94	70 - 130
2-Butanone (MEK)	1000	599	*	ug/Kg		60	70 - 130
2-Chlorotoluene	100	90.3		ug/Kg		90	70 - 130
2-Hexanone	1000	845		ug/Kg		85	70 - 130
4-Chlorotoluene	100	90.0		ug/Kg		90	70 - 130
4-Isopropyltoluene	100	93.0		ug/Kg		93	70 - 130
4-Methyl-2-pentanone (MIBK)	1000	994		ug/Kg		99	70 - 130
Acetone	1000	723		ug/Kg		72	70 - 130
Acrylonitrile	100	86.9		ug/Kg		87	70 - 130
Benzene	100	83.7		ug/Kg		84	70 - 130
Bromobenzene	100	90.2		ug/Kg		90	70 - 130
Bromoform	100	95.0		ug/Kg		95	70 - 130
Bromomethane	100	72.4		ug/Kg		72	70 - 130
Carbon disulfide	100	105		ug/Kg		105	70 - 130
Carbon tetrachloride	100	90.2		ug/Kg		90	70 - 130
Chlorobenzene	100	89.3		ug/Kg		89	70 - 130
Chlorodibromomethane	100	82.8		ug/Kg		83	70 - 130
Chloroethane	100	75.2		ug/Kg		75	70 - 130
Chloroform	100	79.4		ug/Kg		79	70 - 130
Chloromethane	100	85.6		ug/Kg		86	70 - 130
cis-1,2-Dichloroethene	100	83.0		ug/Kg		83	70 - 130
cis-1,3-Dichloropropene	100	86.4		ug/Kg		86	70 - 130
Dibromomethane	100	87.3		ug/Kg		87	70 - 130
Dichlorobromomethane	100	89.2		ug/Kg		89	70 - 130
Dichlorodifluoromethane	100	78.1		ug/Kg		78	70 - 130
Ethylbenzene	100	90.7		ug/Kg		91	70 - 130
Ethylene Dibromide	100	81.5		ug/Kg		82	70 - 130
Hexachlorobutadiene	100	86.2		ug/Kg		86	70 - 130
Isopropylbenzene	100	94.5		ug/Kg		95	70 - 130
m-Xylene & p-Xylene	200	185		ug/Kg		92	70 - 130
Methyl tert-butyl ether	100	92.8		ug/Kg		93	70 - 130
Methylene Chloride	100	99.5		ug/Kg		99	70 - 130
n-Butylbenzene	100	95.9		ug/Kg		96	70 - 130
N-Propylbenzene	100	93.8		ug/Kg		94	70 - 130
Naphthalene	100	90.2		ug/Kg		90	70 - 130
o-Xylene	100	93.1		ug/Kg		93	70 - 130
sec-Butylbenzene	100	92.0		ug/Kg		92	70 - 130
Styrene	100	91.3		ug/Kg		91	70 - 130
tert-Butylbenzene	100	89.2		ug/Kg		89	70 - 130
Tetrachloroethene	100	85.6		ug/Kg		86	70 - 130
Tetrahydrofuran	1000	809		ug/Kg		81	70 - 130
Toluene	100	85.5		ug/Kg		85	70 - 130
trans-1,2-Dichloroethene	100	90.2		ug/Kg		90	70 - 130
trans-1,3-Dichloropropene	100	91.7		ug/Kg		92	70 - 130
trans-1,4-Dichloro-2-butene	100	106		ug/Kg		106	70 - 130
Trichloroethene	100	95.1		ug/Kg		95	70 - 130
Trichlorofluoromethane	100	87.3		ug/Kg		87	70 - 130
Vinyl chloride	100	79.8		ug/Kg		80	70 - 130

Method: 8260 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-95971/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95988 — **Prep Batch: 95971**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Xylenes, Total	300	278		ug/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*89*		*70 - 130*
Toluene-d8 (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 360-95971/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95988 — **Prep Batch: 95971**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	100	95.9		ug/Kg		96	70 - 130	7	20
1,1,1-Trichloroethane	100	124		ug/Kg		124	70 - 130	35	20
1,1,2,2-Tetrachloroethane	100	96.7		ug/Kg		97	70 - 130	8	20
1,1,2-Trichloro-1,2,2-trifluoroethane	100	102		ug/Kg		102	70 - 130	28	20
1,1,2-Trichloroethane	100	88.7		ug/Kg		89	70 - 130	5	20
1,1-Dichloroethane	100	119		ug/Kg		119	70 - 130	25	20
1,1-Dichloroethene	100	123		ug/Kg		123	70 - 130	30	20
1,1-Dichloropropene	100	129		ug/Kg		129	70 - 130	40	20
1,2,3-Trichlorobenzene	100	83.1		ug/Kg		83	70 - 130	2	20
1,2,3-Trichloropropane	100	104		ug/Kg		104	70 - 130	16	20
1,2,4-Trichlorobenzene	100	88.4		ug/Kg		88	70 - 130	3	20
1,2,4-Trimethylbenzene	100	105		ug/Kg		105	70 - 130	15	20
1,2-Dibromo-3-Chloropropane	100	99.2		ug/Kg		99	70 - 130	1	20
1,2-Dichlorobenzene	100	93.7		ug/Kg		94	70 - 130	9	20
1,2-Dichloroethane	100	94.5		ug/Kg		95	70 - 130	10	20
1,2-Dichloropropane	100	90.4		ug/Kg		90	70 - 130	1	20
1,3,5-Trimethylbenzene	100	106		ug/Kg		106	70 - 130	17	20
1,3-Dichlorobenzene	100	102		ug/Kg		102	70 - 130	16	20
1,3-Dichloropropane	100	92.0		ug/Kg		92	70 - 130	7	20
1,4-Dichlorobenzene	100	92.1		ug/Kg		92	70 - 130	5	20
2,2-Dichloropropane	100	116		ug/Kg		116	70 - 130	21	20
2-Butanone (MEK)	1000	931		ug/Kg		93	70 - 130	43	20
2-Chlorotoluene	100	104		ug/Kg		104	70 - 130	14	20
2-Hexanone	1000	663		ug/Kg		66	70 - 130	24	20
4-Chlorotoluene	100	103		ug/Kg		103	70 - 130	14	20
4-Isopropyltoluene	100	110		ug/Kg		110	70 - 130	16	20
4-Methyl-2-pentanone (MIBK)	1000	815		ug/Kg		82	70 - 130	20	20
Acetone	1000	827		ug/Kg		83	70 - 130	14	20
Acrylonitrile	100	109		ug/Kg		109	70 - 130	22	20
Benzene	100	114		ug/Kg		114	70 - 130	31	20
Bromobenzene	100	103		ug/Kg		103	70 - 130	14	20
Bromoform	100	95.4		ug/Kg		95	70 - 130	0	20
Bromomethane	100	107		ug/Kg		107	70 - 130	38	20
Carbon disulfide	100	141		ug/Kg		141	70 - 130	29	20
Carbon tetrachloride	100	124		ug/Kg		124	70 - 130	31	20
Chlorobenzene	100	91.1		ug/Kg		91	70 - 130	2	20
Chlorodibromomethane	100	102		ug/Kg		102	70 - 130	21	20

Method: 8260 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-95971/2-A
Matrix: Solid
Analysis Batch: 95988

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 95971

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	100	109		ug/Kg		109	70 - 130	37	20
Chloroform	100	118		ug/Kg		118	70 - 130	39	20
Chloromethane	100	105		ug/Kg		105	70 - 130	20	20
cis-1,2-Dichloroethene	100	105		ug/Kg		105	70 - 130	24	20
cis-1,3-Dichloropropene	100	116		ug/Kg		116	70 - 130	29	20
Dibromomethane	100	93.0		ug/Kg		93	70 - 130	6	20
Dichlorobromomethane	100	94.7		ug/Kg		95	70 - 130	6	20
Dichlorodifluoromethane	100	93.7		ug/Kg		94	70 - 130	18	20
Ethylbenzene	100	85.9		ug/Kg		86	70 - 130	5	20
Ethylene Dibromide	100	96.7		ug/Kg		97	70 - 130	17	20
Hexachlorobutadiene	100	87.5		ug/Kg		87	70 - 130	1	20
Isopropylbenzene	100	94.6		ug/Kg		95	70 - 130	0	20
m-Xylene & p-Xylene	200	169		ug/Kg		85	70 - 130	9	20
Methyl tert-butyl ether	100	116		ug/Kg		116	70 - 130	22	20
Methylene Chloride	100	124		ug/Kg		124	70 - 130	22	20
n-Butylbenzene	100	97.8		ug/Kg		98	70 - 130	2	20
N-Propylbenzene	100	110		ug/Kg		110	70 - 130	16	20
Naphthalene	100	84.2		ug/Kg		84	70 - 130	7	20
o-Xylene	100	88.2		ug/Kg		88	70 - 130	5	20
sec-Butylbenzene	100	106		ug/Kg		106	70 - 130	14	20
Styrene	100	90.1		ug/Kg		90	70 - 130	1	20
tert-Butylbenzene	100	107		ug/Kg		107	70 - 130	18	20
Tetrachloroethene	100	109		ug/Kg		109	70 - 130	24	20
Tetrahydrofuran	1000	1310		ug/Kg		131	70 - 130	48	20
Toluene	100	117		ug/Kg		117	70 - 130	31	20
trans-1,2-Dichloroethene	100	116		ug/Kg		116	70 - 130	25	20
trans-1,3-Dichloropropene	100	94.6		ug/Kg		95	70 - 130	3	20
trans-1,4-Dichloro-2-butene	100	112		ug/Kg		112	70 - 130	5	20
Trichloroethene	100	87.1		ug/Kg		87	70 - 130	9	20
Trichlorofluoromethane	100	114		ug/Kg		114	70 - 130	26	20
Vinyl chloride	100	119		ug/Kg		119	70 - 130	39	20
Xylenes, Total	300	257		ug/Kg		86	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*112*		*70 - 130*
Dibromofluoromethane	*124*		*70 - 130*
Toluene-d8 (Surr)	*124*		*70 - 130*

Lab Sample ID: MB 360-96005/3-A
Matrix: Solid
Analysis Batch: 96009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96005

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,1,1-Trichloroethane	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,1,2,2-Tetrachloroethane	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,1,2-Trichloroethane	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,1-Dichloroethane	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1

Method: 8260 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-96005/3-A
Matrix: Solid
Analysis Batch: 96009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96005

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,1-Dichloropropene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,2,3-Trichlorobenzene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,2,3-Trichloropropane	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,2,4-Trichlorobenzene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,2,4-Trimethylbenzene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,2-Dibromo-3-Chloropropane	ND		25		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,2-Dichlorobenzene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,2-Dichloroethane	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,2-Dichloropropane	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,3,5-Trimethylbenzene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,3-Dichlorobenzene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,3-Dichloropropane	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
1,4-Dichlorobenzene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
2,2-Dichloropropane	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
2-Butanone (MEK)	ND		25		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
2-Chlorotoluene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
2-Hexanone	ND		25		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
4-Chlorotoluene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
4-Isopropyltoluene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Acetone	ND		250		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Acrylonitrile	ND		25		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Benzene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Bromobenzene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Bromoform	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Bromomethane	ND		5.0		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Carbon disulfide	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Carbon tetrachloride	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Chlorobenzene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Chlorodibromomethane	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Chloroethane	ND		5.0		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Chloroform	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Chloromethane	ND		5.0		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
cis-1,2-Dichloroethene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
cis-1,3-Dichloropropene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Dibromomethane	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Dichlorobromomethane	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Ethylbenzene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Ethylene Dibromide	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Hexachlorobutadiene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Isopropylbenzene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
m-Xylene & p-Xylene	ND		5.0		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Methyl tert-butyl ether	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Methylene Chloride	ND		10		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
n-Butylbenzene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
N-Propylbenzene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Naphthalene	ND		25		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
o-Xylene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1

Method: 8260 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-96005/3-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96009 — **Prep Batch: 96005**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Styrene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
tert-Butylbenzene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Tetrachloroethene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Tetrahydrofuran	ND		50		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Toluene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
trans-1,2-Dichloroethene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
trans-1,3-Dichloropropene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
trans-1,4-Dichloro-2-butene	ND		5.0		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Trichloroethene	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Trichlorofluoromethane	ND		5.0		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Vinyl chloride	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1
Xylenes, Total	ND		2.5		ug/Kg		09/28/12 10:31	09/28/12 12:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*70 - 130*	*09/28/12 10:31*	*09/28/12 12:59*	*1*
Dibromofluoromethane	*100*		*70 - 130*	*09/28/12 10:31*	*09/28/12 12:59*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*09/28/12 10:31*	*09/28/12 12:59*	*1*

Lab Sample ID: LCS 360-96005/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96009 — **Prep Batch: 96005**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	100	87.2		ug/Kg		87	70 - 130
1,1,1-Trichloroethane	100	98.1		ug/Kg		98	70 - 130
1,1,2,2-Tetrachloroethane	100	90.6		ug/Kg		91	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	100	76.5		ug/Kg		76	70 - 130
1,1,2-Trichloroethane	100	90.4		ug/Kg		90	70 - 130
1,1-Dichloroethane	100	111		ug/Kg		111	70 - 130
1,1-Dichloroethene	100	91.3		ug/Kg		91	70 - 130
1,1-Dichloropropene	100	93.3		ug/Kg		93	70 - 130
1,2,3-Trichlorobenzene	100	86.5		ug/Kg		86	70 - 130
1,2,3-Trichloropropane	100	86.7		ug/Kg		87	70 - 130
1,2,4-Trichlorobenzene	100	96.4		ug/Kg		96	70 - 130
1,2,4-Trimethylbenzene	100	87.7		ug/Kg		88	70 - 130
1,2-Dibromo-3-Chloropropane	100	108		ug/Kg		108	70 - 130
1,2-Dichlorobenzene	100	91.3		ug/Kg		91	70 - 130
1,2-Dichloroethane	100	93.7		ug/Kg		94	70 - 130
1,2-Dichloropropane	100	91.6		ug/Kg		92	70 - 130
1,3,5-Trimethylbenzene	100	83.2		ug/Kg		83	70 - 130
1,3-Dichlorobenzene	100	85.4		ug/Kg		85	70 - 130
1,3-Dichloropropane	100	94.0		ug/Kg		94	70 - 130
1,4-Dichlorobenzene	100	87.6		ug/Kg		88	70 - 130
2,2-Dichloropropane	100	106		ug/Kg		106	70 - 130
2-Butanone (MEK)	1000	709		ug/Kg		71	70 - 130
2-Chlorotoluene	100	79.7		ug/Kg		80	70 - 130
2-Hexanone	1000	857		ug/Kg		86	70 - 130
4-Chlorotoluene	100	83.7		ug/Kg		84	70 - 130

Method: 8260 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-96005/1-A
Matrix: Solid
Analysis Batch: 96009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96005

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Isopropyltoluene	100	89.7		ug/Kg		90	70 - 130
4-Methyl-2-pentanone (MIBK)	1000	897		ug/Kg		90	70 - 130
Acetone	1000	962		ug/Kg		96	70 - 130
Acrylonitrile	100	113		ug/Kg		113	70 - 130
Benzene	100	90.6		ug/Kg		91	70 - 130
Bromobenzene	100	78.6		ug/Kg		79	70 - 130
Bromoform	100	98.9		ug/Kg		99	70 - 130
Bromomethane	100	90.9		ug/Kg		91	70 - 130
Carbon disulfide	100	101		ug/Kg		101	70 - 130
Carbon tetrachloride	100	96.3		ug/Kg		96	70 - 130
Chlorobenzene	100	87.7		ug/Kg		88	70 - 130
Chlorodibromomethane	100	96.8		ug/Kg		97	70 - 130
Chloroethane	100	87.3		ug/Kg		87	70 - 130
Chloroform	100	100		ug/Kg		100	70 - 130
Chloromethane	100	108		ug/Kg		108	70 - 130
cis-1,2-Dichloroethene	100	106		ug/Kg		106	70 - 130
cis-1,3-Dichloropropene	100	86.9		ug/Kg		87	70 - 130
Dibromomethane	100	93.0		ug/Kg		93	70 - 130
Dichlorobromomethane	100	93.4		ug/Kg		93	70 - 130
Dichlorodifluoromethane	100	81.3		ug/Kg		81	70 - 130
Ethylbenzene	100	82.2		ug/Kg		82	70 - 130
Ethylene Dibromide	100	91.9		ug/Kg		92	70 - 130
Hexachlorobutadiene	100	86.0		ug/Kg		86	70 - 130
Isopropylbenzene	100	90.7		ug/Kg		91	70 - 130
m-Xylene & p-Xylene	200	167		ug/Kg		83	70 - 130
Methyl tert-butyl ether	100	122		ug/Kg		122	70 - 130
Methylene Chloride	100	107		ug/Kg		107	70 - 130
n-Butylbenzene	100	92.1		ug/Kg		92	70 - 130
N-Propylbenzene	100	81.5		ug/Kg		82	70 - 130
Naphthalene	100	96.0		ug/Kg		96	70 - 130
o-Xylene	100	89.5		ug/Kg		89	70 - 130
sec-Butylbenzene	100	85.7		ug/Kg		86	70 - 130
Styrene	100	89.1		ug/Kg		89	70 - 130
tert-Butylbenzene	100	87.4		ug/Kg		87	70 - 130
Tetrachloroethene	100	95.9		ug/Kg		96	70 - 130
Tetrahydrofuran	1000	1220		ug/Kg		122	70 - 130
Toluene	100	92.5		ug/Kg		93	70 - 130
trans-1,2-Dichloroethene	100	116		ug/Kg		116	70 - 130
trans-1,3-Dichloropropene	100	93.9		ug/Kg		94	70 - 130
trans-1,4-Dichloro-2-butene	100	95.8		ug/Kg		96	70 - 130
Trichloroethene	100	85.5		ug/Kg		85	70 - 130
Trichlorofluoromethane	100	89.7		ug/Kg		90	70 - 130
Vinyl chloride	100	107		ug/Kg		107	70 - 130
Xylenes, Total	300	257		ug/Kg		86	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Method: 8260 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-96005/2-A
Matrix: Solid
Analysis Batch: 96009

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96005

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	100	91.8		ug/Kg		92	70 - 130	5	20
1,1,1-Trichloroethane	100	103		ug/Kg		103	70 - 130	5	20
1,1,2,2-Tetrachloroethane	100	94.3		ug/Kg		94	70 - 130	4	20
1,1,2-Trichloro-1,2,2-trifluoroethane	100	81.7		ug/Kg		82	70 - 130	7	20
1,1,2-Trichloroethane	100	93.6		ug/Kg		94	70 - 130	3	20
1,1-Dichloroethane	100	98.0		ug/Kg		98	70 - 130	12	20
1,1-Dichloroethene	100	96.5		ug/Kg		97	70 - 130	6	20
1,1-Dichloropropene	100	99.1		ug/Kg		99	70 - 130	6	20
1,2,3-Trichlorobenzene	100	75.8		ug/Kg		76	70 - 130	13	20
1,2,3-Trichloropropane	100	89.7		ug/Kg		90	70 - 130	3	20
1,2,4-Trichlorobenzene	100	82.1		ug/Kg		82	70 - 130	16	20
1,2,4-Trimethylbenzene	100	91.9		ug/Kg		92	70 - 130	5	20
1,2-Dibromo-3-Chloropropane	100	97.1		ug/Kg		97	70 - 130	11	20
1,2-Dichlorobenzene	100	89.2		ug/Kg		89	70 - 130	2	20
1,2-Dichloroethane	100	96.4		ug/Kg		96	70 - 130	3	20
1,2-Dichloropropane	100	91.9		ug/Kg		92	70 - 130	0	20
1,3,5-Trimethylbenzene	100	90.2		ug/Kg		90	70 - 130	8	20
1,3-Dichlorobenzene	100	89.9		ug/Kg		90	70 - 130	5	20
1,3-Dichloropropane	100	95.6		ug/Kg		96	70 - 130	2	20
1,4-Dichlorobenzene	100	89.9		ug/Kg		90	70 - 130	3	20
2,2-Dichloropropane	100	116		ug/Kg		116	70 - 130	9	20
2-Butanone (MEK)	1000	780		ug/Kg		78	70 - 130	10	20
2-Chlorotoluene	100	89.6		ug/Kg		90	70 - 130	12	20
2-Hexanone	1000	842		ug/Kg		84	70 - 130	2	20
4-Chlorotoluene	100	90.4		ug/Kg		90	70 - 130	8	20
4-Isopropyltoluene	100	94.4		ug/Kg		94	70 - 130	5	20
4-Methyl-2-pentanone (MIBK)	1000	996		ug/Kg		100	70 - 130	10	20
Acetone	1000	786		ug/Kg		79	70 - 130	20	20
Acrylonitrile	100	98.2		ug/Kg		98	70 - 130	14	20
Benzene	100	97.0		ug/Kg		97	70 - 130	7	20
Bromobenzene	100	88.0		ug/Kg		88	70 - 130	11	20
Bromoform	100	99.8		ug/Kg		100	70 - 130	1	20
Bromomethane	100	89.7		ug/Kg		90	70 - 130	1	20
Carbon disulfide	100	108		ug/Kg		108	70 - 130	6	20
Carbon tetrachloride	100	101		ug/Kg		101	70 - 130	5	20
Chlorobenzene	100	90.4		ug/Kg		90	70 - 130	3	20
Chlorodibromomethane	100	93.3		ug/Kg		93	70 - 130	4	20
Chloroethane	100	86.2		ug/Kg		86	70 - 130	1	20
Chloroform	100	106		ug/Kg		106	70 - 130	5	20
Chloromethane	100	94.6		ug/Kg		95	70 - 130	13	20
cis-1,2-Dichloroethene	100	112		ug/Kg		112	70 - 130	5	20
cis-1,3-Dichloropropene	100	91.7		ug/Kg		92	70 - 130	5	20
Dibromomethane	100	94.2		ug/Kg		94	70 - 130	1	20
Dichlorobromomethane	100	93.7		ug/Kg		94	70 - 130	0	20
Dichlorodifluoromethane	100	69.4		ug/Kg		69	70 - 130	16	20
Ethylbenzene	100	87.1		ug/Kg		87	70 - 130	6	20
Ethylene Dibromide	100	95.7		ug/Kg		96	70 - 130	4	20
Hexachlorobutadiene	100	75.9		ug/Kg		76	70 - 130	12	20
Isopropylbenzene	100	93.9		ug/Kg		94	70 - 130	3	20

Method: 8260 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-96005/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96009 — **Prep Batch: 96005**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	200	180		ug/Kg		90	70 - 130	8	20
Methyl tert-butyl ether	100	101		ug/Kg		101	70 - 130	18	20
Methylene Chloride	100	91.8		ug/Kg		92	70 - 130	15	20
n-Butylbenzene	100	93.8		ug/Kg		94	70 - 130	2	20
N-Propylbenzene	100	93.0		ug/Kg		93	70 - 130	13	20
Naphthalene	100	83.2		ug/Kg		83	70 - 130	14	20
o-Xylene	100	92.3		ug/Kg		92	70 - 130	3	20
sec-Butylbenzene	100	93.0		ug/Kg		93	70 - 130	8	20
Styrene	100	93.5		ug/Kg		94	70 - 130	5	20
tert-Butylbenzene	100	91.8		ug/Kg		92	70 - 130	5	20
Tetrachloroethene	100	97.9		ug/Kg		98	70 - 130	2	20
Tetrahydrofuran	1000	1200		ug/Kg		120	70 - 130	2	20
Toluene	100	95.9		ug/Kg		96	70 - 130	4	20
trans-1,2-Dichloroethene	100	94.9		ug/Kg		95	70 - 130	20	20
trans-1,3-Dichloropropene	100	96.5		ug/Kg		97	70 - 130	3	20
trans-1,4-Dichloro-2-butene	100	107		ug/Kg		107	70 - 130	11	20
Trichloroethene	100	91.8		ug/Kg		92	70 - 130	7	20
Trichlorofluoromethane	100	89.3		ug/Kg		89	70 - 130	0	20
Vinyl chloride	100	95.2		ug/Kg		95	70 - 130	11	20
Xylenes, Total	300	272		ug/Kg		91	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*104*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Method: 8260C - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 360-95932/3-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95941 — **Prep Batch: 95932**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,1,1-Trichloroethane	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,1,2,2-Tetrachloroethane	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		630		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,1,2-Trichloroethane	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,1-Dichloroethane	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,1-Dichloroethene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,1-Dichloropropene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,2,3-Trichlorobenzene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,2,3-Trichloropropane	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,2,4-Trichlorobenzene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,2,4-Trimethylbenzene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,2-Dibromo-3-Chloropropane	ND		1300		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,2-Dichlorobenzene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,2-Dichloroethane	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,2-Dichloropropane	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-95932/3-A
Matrix: Solid
Analysis Batch: 95941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 95932

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,3-Dichlorobenzene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,3-Dichloropropane	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
1,4-Dichlorobenzene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
2,2-Dichloropropane	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
2-Butanone (MEK)	ND		1300		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
2-Chlorotoluene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
2-Hexanone	ND		1300		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
4-Chlorotoluene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
4-Isopropyltoluene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
4-Methyl-2-pentanone (MIBK)	ND		1300		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Acetone	ND		13000		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Acrylonitrile	ND		1300		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Benzene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Bromobenzene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Bromoform	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Bromomethane	ND		250		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Carbon disulfide	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Carbon tetrachloride	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Chlorobenzene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Chlorodibromomethane	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Chloroethane	ND		250		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Chloroform	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Chloromethane	ND		250		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
cis-1,2-Dichloroethene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
cis-1,3-Dichloropropene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Dibromomethane	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Dichlorobromomethane	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Dichlorodifluoromethane	ND		250		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Ethylbenzene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Ethylene Dibromide	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Hexachlorobutadiene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Isopropylbenzene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
m-Xylene & p-Xylene	ND		250		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Methyl tert-butyl ether	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Methylene Chloride	647		500		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
n-Butylbenzene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
N-Propylbenzene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Naphthalene	ND		1300		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
o-Xylene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
sec-Butylbenzene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Styrene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
tert-Butylbenzene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Tetrachloroethene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Tetrahydrofuran	ND		2500		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Toluene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
trans-1,2-Dichloroethene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
trans-1,3-Dichloropropene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
trans-1,4-Dichloro-2-butene	ND		250		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Trichloroethene	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 360-95932/3-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95941 — **Prep Batch: 95932**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		250		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Vinyl chloride	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1
Xylenes, Total	ND		130		ug/Kg		09/26/12 14:55	09/26/12 20:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 130*	*09/26/12 14:55*	*09/26/12 20:39*	*1*
Dibromofluoromethane	*90*		*70 - 130*	*09/26/12 14:55*	*09/26/12 20:39*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*09/26/12 14:55*	*09/26/12 20:39*	*1*

Lab Sample ID: LCS 360-95932/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95941 — **Prep Batch: 95932**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	5000	4710		ug/Kg		94	70 - 130
1,1,1-Trichloroethane	5000	4430		ug/Kg		89	70 - 130
1,1,2,2-Tetrachloroethane	5000	4880		ug/Kg		98	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroetha ne	5000	3820		ug/Kg		76	70 - 130
1,1,2-Trichloroethane	5000	4650		ug/Kg		93	70 - 130
1,1-Dichloroethane	5000	4760		ug/Kg		95	70 - 130
1,1-Dichloroethene	5000	4930		ug/Kg		99	70 - 130
1,1-Dichloropropene	5000	4190		ug/Kg		84	70 - 130
1,2,3-Trichlorobenzene	5000	4360		ug/Kg		87	70 - 130
1,2,3-Trichloropropane	5000	4640		ug/Kg		93	70 - 130
1,2,4-Trichlorobenzene	5000	4940		ug/Kg		99	70 - 130
1,2,4-Trimethylbenzene	5000	4750		ug/Kg		95	70 - 130
1,2-Dibromo-3-Chloropropane	5000	5580		ug/Kg		112	70 - 130
1,2-Dichlorobenzene	5000	4630		ug/Kg		93	70 - 130
1,2-Dichloroethane	5000	4740		ug/Kg		95	70 - 130
1,2-Dichloropropane	5000	4650		ug/Kg		93	70 - 130
1,3,5-Trimethylbenzene	5000	4750		ug/Kg		95	70 - 130
1,3-Dichlorobenzene	5000	4770		ug/Kg		95	70 - 130
1,3-Dichloropropane	5000	4510		ug/Kg		90	70 - 130
1,4-Dichlorobenzene	5000	4660		ug/Kg		93	70 - 130
2,2-Dichloropropane	5000	4440		ug/Kg		89	70 - 130
2-Butanone (MEK)	50000	28000	*	ug/Kg		56	70 - 130
2-Chlorotoluene	5000	4570		ug/Kg		91	70 - 130
2-Hexanone	50000	36300		ug/Kg		73	70 - 130
4-Chlorotoluene	5000	4740		ug/Kg		95	70 - 130
4-Isopropyltoluene	5000	5160		ug/Kg		103	70 - 130
4-Methyl-2-pentanone (MIBK)	50000	46000		ug/Kg		92	70 - 130
Acetone	50000	34900		ug/Kg		70	70 - 130
Acrylonitrile	5000	4300		ug/Kg		86	70 - 130
Benzene	5000	4970		ug/Kg		99	70 - 130
Bromobenzene	5000	4840		ug/Kg		97	70 - 130
Bromoform	5000	5220		ug/Kg		104	70 - 130
Bromomethane	5000	2540	*	ug/Kg		51	70 - 130
Carbon disulfide	5000	5940		ug/Kg		119	70 - 130
Carbon tetrachloride	5000	4530		ug/Kg		91	70 - 130

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 360-95932/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95941 — **Prep Batch: 95932**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	5000	4720		ug/Kg		94	70 - 130
Chlorodibromomethane	5000	4590		ug/Kg		92	70 - 130
Chloroethane	5000	2940	*	ug/Kg		59	70 - 130
Chloroform	5000	4240		ug/Kg		85	70 - 130
Chloromethane	5000	3560		ug/Kg		71	70 - 130
cis-1,2-Dichloroethene	5000	4340		ug/Kg		87	70 - 130
cis-1,3-Dichloropropene	5000	4520		ug/Kg		90	70 - 130
Dibromomethane	5000	4710		ug/Kg		94	70 - 130
Dichlorobromomethane	5000	4520		ug/Kg		90	70 - 130
Dichlorodifluoromethane	5000	3090	*	ug/Kg		62	70 - 130
Ethylbenzene	5000	4380		ug/Kg		88	70 - 130
Ethylene Dibromide	5000	4690		ug/Kg		94	70 - 130
Hexachlorobutadiene	5000	4690		ug/Kg		94	70 - 130
Isopropylbenzene	5000	5070		ug/Kg		101	70 - 130
m-Xylene & p-Xylene	10000	9860		ug/Kg		99	70 - 130
Methyl tert-butyl ether	5000	4760		ug/Kg		95	70 - 130
Methylene Chloride	5000	4880		ug/Kg		98	70 - 130
n-Butylbenzene	5000	4770		ug/Kg		95	70 - 130
N-Propylbenzene	5000	5040		ug/Kg		101	70 - 130
Naphthalene	5000	4440		ug/Kg		89	70 - 130
o-Xylene	5000	4930		ug/Kg		99	70 - 130
sec-Butylbenzene	5000	4810		ug/Kg		96	70 - 130
Styrene	5000	4970		ug/Kg		99	70 - 130
tert-Butylbenzene	5000	4900		ug/Kg		98	70 - 130
Tetrachloroethene	5000	4940		ug/Kg		99	70 - 130
Tetrahydrofuran	50000	42400		ug/Kg		85	70 - 130
Toluene	5000	4650		ug/Kg		93	70 - 130
trans-1,2-Dichloroethene	5000	4630		ug/Kg		93	70 - 130
trans-1,3-Dichloropropene	5000	4730		ug/Kg		95	70 - 130
trans-1,4-Dichloro-2-butene	5000	4780		ug/Kg		96	70 - 130
Trichloroethene	5000	5170		ug/Kg		103	70 - 130
Trichlorofluoromethane	5000	3820		ug/Kg		76	70 - 130
Vinyl chloride	5000	3460	*	ug/Kg		69	70 - 130
Xylenes, Total	15000	14800		ug/Kg		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*92*		*70 - 130*
Toluene-d8 (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 360-95932/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95941 — **Prep Batch: 95932**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5000	4630		ug/Kg		93	70 - 130	2	20
1,1,1-Trichloroethane	5000	4720		ug/Kg		94	70 - 130	6	20
1,1,2,2-Tetrachloroethane	5000	4870		ug/Kg		97	70 - 130	0	20
1,1,2-Trichloro-1,2,2-trifluoroetha ne	5000	3760		ug/Kg		75	70 - 130	2	20

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-95932/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95941 — **Prep Batch: 95932**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloroethane	5000	4830		ug/Kg		97	70 - 130	4	20
1,1-Dichloroethane	5000	4820		ug/Kg		96	70 - 130	1	20
1,1-Dichloroethene	5000	4740		ug/Kg		95	70 - 130	4	20
1,1-Dichloropropene	5000	4920		ug/Kg		98	70 - 130	16	20
1,2,3-Trichlorobenzene	5000	4650		ug/Kg		93	70 - 130	6	20
1,2,3-Trichloropropane	5000	4570		ug/Kg		91	70 - 130	2	20
1,2,4-Trichlorobenzene	5000	4910		ug/Kg		98	70 - 130	1	20
1,2,4-Trimethylbenzene	5000	4340		ug/Kg		87	70 - 130	9	20
1,2-Dibromo-3-Chloropropane	5000	5400		ug/Kg		108	70 - 130	3	20
1,2-Dichlorobenzene	5000	4580		ug/Kg		92	70 - 130	1	20
1,2-Dichloroethane	5000	4910		ug/Kg		98	70 - 130	4	20
1,2-Dichloropropane	5000	4750		ug/Kg		95	70 - 130	2	20
1,3,5-Trimethylbenzene	5000	4330		ug/Kg		87	70 - 130	9	20
1,3-Dichlorobenzene	5000	4540		ug/Kg		91	70 - 130	5	20
1,3-Dichloropropane	5000	4940		ug/Kg		99	70 - 130	9	20
1,4-Dichlorobenzene	5000	4550		ug/Kg		91	70 - 130	2	20
2,2-Dichloropropane	5000	4370		ug/Kg		87	70 - 130	1	20
2-Butanone (MEK)	50000	37400		ug/Kg		75	70 - 130	29	20
2-Chlorotoluene	5000	4310		ug/Kg		86	70 - 130	6	20
2-Hexanone	50000	36400		ug/Kg		73	70 - 130	0	20
4-Chlorotoluene	5000	4400		ug/Kg		88	70 - 130	8	20
4-Isopropyltoluene	5000	4500		ug/Kg		90	70 - 130	14	20
4-Methyl-2-pentanone (MIBK)	50000	48200		ug/Kg		96	70 - 130	5	20
Acetone	50000	34300		ug/Kg		69	70 - 130	2	20
Acrylonitrile	5000	4380		ug/Kg		88	70 - 130	2	20
Benzene	5000	4900		ug/Kg		98	70 - 130	1	20
Bromobenzene	5000	4290		ug/Kg		86	70 - 130	12	20
Bromoform	5000	4850		ug/Kg		97	70 - 130	7	20
Bromomethane	5000	2510		ug/Kg		50	70 - 130	1	20
Carbon disulfide	5000	5410		ug/Kg		108	70 - 130	9	20
Carbon tetrachloride	5000	4890		ug/Kg		98	70 - 130	8	20
Chlorobenzene	5000	4560		ug/Kg		91	70 - 130	4	20
Chlorodibromomethane	5000	4840		ug/Kg		97	70 - 130	5	20
Chloroethane	5000	2390		ug/Kg		48	70 - 130	21	20
Chloroform	5000	4850		ug/Kg		97	70 - 130	14	20
Chloromethane	5000	3530		ug/Kg		71	70 - 130	1	20
cis-1,2-Dichloroethene	5000	4320		ug/Kg		86	70 - 130	0	20
cis-1,3-Dichloropropene	5000	4700		ug/Kg		94	70 - 130	4	20
Dibromomethane	5000	4720		ug/Kg		94	70 - 130	0	20
Dichlorobromomethane	5000	4850		ug/Kg		97	70 - 130	7	20
Dichlorodifluoromethane	5000	3010		ug/Kg		60	70 - 130	3	20
Ethylbenzene	5000	4400		ug/Kg		88	70 - 130	1	20
Ethylene Dibromide	5000	4780		ug/Kg		96	70 - 130	2	20
Hexachlorobutadiene	5000	4500		ug/Kg		90	70 - 130	4	20
Isopropylbenzene	5000	4760		ug/Kg		95	70 - 130	6	20
m-Xylene & p-Xylene	10000	8570		ug/Kg		86	70 - 130	14	20
Methyl tert-butyl ether	5000	4970		ug/Kg		99	70 - 130	4	20
Methylene Chloride	5000	4960		ug/Kg		99	70 - 130	2	20
n-Butylbenzene	5000	4450		ug/Kg		89	70 - 130	7	20
N-Propylbenzene	5000	4390		ug/Kg		88	70 - 130	14	20

Method: 8260C - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 360-95932/2-A
Matrix: Solid
Analysis Batch: 95941

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 95932

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene	5000	4900		ug/Kg		98	70 - 130	10	20
o-Xylene	5000	4340		ug/Kg		87	70 - 130	13	20
sec-Butylbenzene	5000	4570		ug/Kg		91	70 - 130	5	20
Styrene	5000	4360		ug/Kg		87	70 - 130	13	20
tert-Butylbenzene	5000	4470		ug/Kg		89	70 - 130	9	20
Tetrachloroethene	5000	4860		ug/Kg		97	70 - 130	2	20
Tetrahydrofuran	50000	55300		ug/Kg		111	70 - 130	26	20
Toluene	5000	4750		ug/Kg		95	70 - 130	2	20
trans-1,2-Dichloroethene	5000	4550		ug/Kg		91	70 - 130	2	20
trans-1,3-Dichloropropene	5000	4930		ug/Kg		99	70 - 130	4	20
trans-1,4-Dichloro-2-butene	5000	5290		ug/Kg		106	70 - 130	10	20
Trichloroethene	5000	4580		ug/Kg		92	70 - 130	12	20
Trichlorofluoromethane	5000	3740		ug/Kg		75	70 - 130	2	20
Vinyl chloride	5000	3420		ug/Kg		68	70 - 130	1	20
Xylenes, Total	15000	12900		ug/Kg		86	70 - 130	14	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Chronicle

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42893-1

Client Sample ID: B-1 — Lab Sample ID: 360-42893-1

Date Collected: 09/20/12 09:30 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 93.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			95971	09/27/12 13:31	CMR	TAL WFD
Total/NA	Analysis	8260		1	95988	09/27/12 19:33	CMR	TAL WFD
Total/NA	Prep	5035	RA		96005	09/28/12 10:31	CMR	TAL WFD
Total/NA	Analysis	8260	RA	1	96009	09/28/12 13:50	CMR	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 17:15	BH	TAL WFD

Client Sample ID: B-2 — Lab Sample ID: 360-42893-2

Date Collected: 09/20/12 12:00 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 93.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			95971	09/27/12 13:31	CMR	TAL WFD
Total/NA	Analysis	8260		1	95988	09/27/12 19:56	CMR	TAL WFD
Total/NA	Prep	5035	RA		96005	09/28/12 10:31	CMR	TAL WFD
Total/NA	Analysis	8260	RA	1	96009	09/28/12 14:12	CMR	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 17:15	BH	TAL WFD

Client Sample ID: B-4 — Lab Sample ID: 360-42893-3

Date Collected: 09/20/12 13:30 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 72.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			96005	09/28/12 10:31	CMR	TAL WFD
Total/NA	Analysis	8260		1	96009	09/28/12 14:35	CMR	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 16:25	BH	TAL WFD

Client Sample ID: B-6 — Lab Sample ID: 360-42893-4

Date Collected: 09/20/12 11:42 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 87.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			95971	09/27/12 13:31	CMR	TAL WFD
Total/NA	Analysis	8260		1	95988	09/27/12 20:42	CMR	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 16:25	BH	TAL WFD

Client Sample ID: B-7 — Lab Sample ID: 360-42893-5

Date Collected: 09/20/12 10:00 — **Matrix: Solid**
Date Received: 09/21/12 10:20 — **Percent Solids: 91.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			95932	09/21/12 17:05	CMR	TAL WFD
Total/NA	Analysis	8260C		1	95941	09/26/12 22:55	CMR	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 16:25	BH	TAL WFD

Lab Chronicle

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42893-1

Client Sample ID: B-8

Lab Sample ID: 360-42893-6
Date Collected: 09/20/12 12:30
Matrix: Solid
Date Received: 09/21/12 10:20
Percent Solids: 68.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			95971	09/27/12 13:31	CMR	TAL WFD
Total/NA	Analysis	8260		1	95988	09/27/12 21:05	CMR	TAL WFD
Total/NA	Prep	5035	RA		96005	09/28/12 10:31	CMR	TAL WFD
Total/NA	Analysis	8260	RA	1	96009	09/28/12 14:58	CMR	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 16:25	BH	TAL WFD

Client Sample ID: B-9

Lab Sample ID: 360-42893-7
Date Collected: 09/20/12 11:15
Matrix: Solid
Date Received: 09/21/12 10:20
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			95971	09/27/12 13:31	CMR	TAL WFD
Total/NA	Analysis	8260		1	95988	09/27/12 21:28	CMR	TAL WFD
Total/NA	Prep	5035	RA		96005	09/28/12 10:37	CMR	TAL WFD
Total/NA	Analysis	8260	RA	1	96009	09/28/12 15:21	CMR	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 16:25	BH	TAL WFD

Client Sample ID: B-10

Lab Sample ID: 360-42893-8
Date Collected: 09/20/12 10:30
Matrix: Solid
Date Received: 09/21/12 10:20
Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			95971	09/27/12 13:31	CMR	TAL WFD
Total/NA	Analysis	8260		1	95988	09/27/12 21:50	CMR	TAL WFD
Total/NA	Prep	5035	RA		96005	09/28/12 10:37	CMR	TAL WFD
Total/NA	Analysis	8260	RA	1	96009	09/28/12 15:44	CMR	TAL WFD
Total/NA	Analysis	Moisture		1	95879	09/25/12 16:25	BH	TAL WFD

Laboratory References:

TAL WFD = TestAmerica Westfield, Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085, TEL (413)572-4000

Certification Summary

Client: Tighe & Bond
Project/Site: 161 State St. 220817-16

TestAmerica Job ID: 360-42893-1

Laboratory: TestAmerica Westfield

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0494	09-30-12
Maine	State Program	1	MA00014	05-03-13
Massachusetts	State Program	1	M-MA014	06-30-13
New Hampshire	NELAC	1	2539	08-08-13
Rhode Island	State Program	1	LAO00057	12-30-12
Vermont	State Program	1	VT-10843	11-18-12

State Accreditation Matrix

Method Name	Description	Primary Accreditation	
		New Hampshire (NELAC)	Mass
180.1	Turbidity, Nephelometric	P	P
245.1	Mercury (CVAA)	NP/P	NP
300	Anions, Ion Chromatography	NP/P	NP/P
410.4	COD	NP	NP
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P
524.2	Trihalomethane compounds	P	P
608	Organochlorine Pest/PCBs (list upon request)	NP	NP
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP	NP
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW	
1103.1	E.coli		ambient/source
3546	Microwave Extraction	SW	
5035	Closed System Purge and Trap	SW	
6020	Metals (ICP/MS) (list upon request)	NP	
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P
200.8 Rev 5.4	Metals (ICP/MS) (list upon request)	NP/P	NP/P
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P	
3010A	Preparation, Total Metals	NP/P	
3020A	Preparation, Total Metals	NP/P	
3050B	Preparation, Metals	SW	
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP	
5030B	Purge and Trap	NP	
6010C	Metals (ICP)(list upon request)	NP/SW	
7196A	Chromium, Hexavalent	NP/SW	
7470A	Mercury (CVAA)	NP	
7471A	Mercury (CVAA)	SW	
8081B	Organochlorine Pesticides (GC)(list upon request)	NP/SW	
8082A	PCBs by Gas Chromatography(list upon request)	NP/SW	
8260C	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW	
8270D	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW	
9012A	Cyanide, Total and/or Amenable	NP/SW	
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP	
9045C	pH	SW	
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)	NP/SW	
Enterolert	Enterococcus		ambient/source
L107041C	Nitrogen, Nitrate	NP	
L107-06-1B	Nitrogen Ammonia	NP	NP
L204001A CN	Cyanide, Total	P	NP/P
L210-001A	Phenolics, Total Recoverable	NP	NP
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)	NP/SW	
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)	NP/SW	
SM 2320B	Alkalinity	NP/P	NP/P
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P
SM 2540D	Solids, Total Suspended (TSS)	NP	NP
SM 3500 CR D	Chromium, Hexavalent	NP	
SM 4500 Cl F	Chlorine, Residual		NP
SM 4500 H+ B	pH	NP/P	NP/P
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP
SM 4500 P E	Phosphorus, Total	NP	NP
SM 4500 S2 D	Sulfide, Total	NP	
SM 5210B	BOD, 5-Day	NP	NP
SM 5310B	Organic Carbon, Total (TOC)	NP/P	NP
SM 9215E	Heterotrophic Plate Count (SimPlate)		P
SM 9222D	Coliforms, Fecal (Membrane Filter)		NP
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P
SM 9223	Coliforms, Total, and E.Coli (Enumeration)		P

Not all organic compounds are accreditied under YNI
For methods with multiple compounds all compounds may not meet TNI criteria, a listing should be obtained from the laboratory

The lab carries additional accreditations with several states. This is the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Login Sample Receipt Checklist

Client: Tighe & Bond

Job Number: 360-42893-1

Login Number: 42893

List Source: TestAmerica Westfield

List Number: 1

Creator: Ard, Vanessa L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are 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.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

360-47843

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

TestAmerica Laboratory location: _____

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: Tighe + Bond	Client Project Manager: Amy Vaillancourt	Site Contact: Amy V	Lab Contact:	COC No: 050115
Address: 213 Court St	Telephone:	Telephone:	Telephone:	1 of 1 COCs
City/State/Zip: Middletown CT 06457	Email: availlancourt@tighebond.com	Analysis Turnaround Time (In BUS days)	Analyses	For lab use only
Phone: 860 704 4769		TAT if different from below _____		Walk-in client ☐
Project Name: 161 State St	Method of Shipment/Carrier: Lab pickup	☐ 3 weeks		Lab pickup ☒
Project Number: 22 0817-16	Shipping/Tracking No:	☐ 2 weeks		Lab sampling ☐
PO# 22 0817-16		☑ 1 week		Job/SDG No:
		☐ 2 days		
		☐ 1 day		

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C/Grab=G	8260									Sample Specific Notes / Special Instructions:
B-1	9/20	930				✓							✓				✓									
B-2	↓	~~1300~~ 1300				✓							✓				✓									
B-4		~~1230~~ 1330				✓							✓				✓									
~~B-5~~																										
B-6		1142				✓							✓				✓									
B-7		1000				✓							✓				✓									
B-8		1230				✓							✓				✓									
B-9		1115				✓							✓				✓									
B-10	↓	1030				✓							✓				✓									

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

8.4 / 1L

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Amy Vaillancourt	T+B	9/20/12 1611	[illegible]	TAS	9/20/12 1611
Jen Capeu	TA CT	9/20/12 17:10	[illegible]	TA	9/20/12 1710
			Received in Laboratory by:	Company:	Date/Time:

Fedex

©2008, TestAmerica Laboratories, Inc. All rights reserved.
TestAmerica & Design ™ are trademarks of TestAmerica Laboratories, Inc

TAL 0018- 1 (04/10)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: Tighe + Bond	Client Project Manager: Amy Vaillancourt	Site Contact:	Lab Contact:
Address: 213 Court St	Telephone:	Telephone:	Telephone:
City/State/Zip: Middletown CT	Email: availlancourt@tighebond		
Phone: 860 704 4769			
Project Name: 161 State St	Method of Shipment/Carrier: Lab pick up		
Project Number: 22 081 7-16	Shipping/Tracking No:		
PO#			

COC No: 050116
1 of 2 COCs

Analysis Turnaround Time (in BUS days)
TAT if different from below
☐ 3 weeks
☐ 2 weeks
☒ 1 week
☐ 2 days
☐ 1 day

For lab use only
Walk-in client ☐
Lab pickup ☐
Lab sampling ☐
Job/SDG No:

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C/ Grab=G	Analyses: ETPH	PAHs	RCP metals	PCBs							Sample Specific Notes / Special Instructions:
~~B-1~~	9/20/12	930				X							X				X		X	X							
~~B-2~~		~~200~~				X							X														
B-3		145				X							X				X	X	X								
B-4		130				X							X				X	X	X								
B-5		220				X							X				X	X	X								
B-6		242				X							X				X	X	X	X	X						
B-7		1000				X							X				X	X	X								
B-8		1230				X							X				X	X	X		X						
B-9		1115				X							X				X	X	X								
B-10	↓	1030				X							X				X	X	X								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
36ϕ-42926

ice/ 0.4°C 0.9

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Amy Vaillancourt		9/21/12 1334	[signature]	TAct	9/21/12 1334
Relinquished by: Jen Capece	Company: TA CT	Date/Time: 9/21/12 15:30	Received by: [signature]	Company: TA WF	Date/Time: 9/22/12 11:20
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

©2006, TestAmerica Laboratories, Inc. All rights reserved
TestAmerica & Design ™ are trademarks of TestAmerica Laboratories, Inc

TAL 0018- 1 (04/10)

10/1/2012

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location:
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact

Company Name: Tighe + Bond
Address: 213 Court St
City/State/Zip: Middletown CT
Phone: 860 704 4769
Project Name: 161 State St
Project Number: 22 0817-16
PO#

Client Project Manager: Amy Vaillancourt
Telephone:
Email: availlancourt@tighebond.com
Method of Shipment/Carrier: Lab pickup
Shipping/Tracking No:

Site Contact:
Telephone:

Lab Contact:
Telephone:

COC No: 050117
2 of 2 COCs

Analysis Turnaround Time (in BUS days)
TAT if different from below
☐ 3 weeks
☐ 2 weeks
☒ 1 week
☐ 2 days
☐ 1 day

For lab use only
Walk-in client ☐
Lab pickup ☐
Lab sampling ☐
Job/SDG No:

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other: TRC	Filtered Sample (Y/N)	Composite=C / Grab=G	Analyses: TPH	PAHs	RCP metals	8260	PCBs	Turbidity			Sample Specific Notes / Special Instructions:
B-6 Dup	9/20/12	~~0942~~				X				~~X~~			X	X			X	X	X	✓	X				
MW-1	↓	1400		X						X			X				X	X	X	X			✓		metals
MW-2		2350		X						X			X				X	X	X	X			✓		samples
MW-3		3300		X						X			X				X	X	X	X			✓		were
MW-2 Dup	↓	2350		X						X			X				X	X	X	X			✓		filtered
Trip Blank	X			X																X					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:
36Ø-42928 Temp Ø.4 Ø.9 ICE

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Amy Vaillancourt		9/21/12 1334	Albert Bauriaty	TAet	9/21/12 1334
Jen Capece	TA CT	9/21/12 15:30	[illegible]	TAWF	9/22/12 11:20
			Received in Laboratory by:		

©2008, TestAmerica Laboratories, Inc. All rights reserved
TestAmerica & Design ™ are trademarks of TestAmerica Laboratories, Inc

TAL 0018-1 (04/10)

10/1/2012