LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

FORMER PROGRESSIVE PLATING TECHNOLOGIES
aka: AUTOMATIC PLATING
80 Hastings Street
Bridgeport, Connecticut

Prepared for:

City of Bridgeport Office of Planning and Economic Development
999 Broad Street – 2nd Floor
Bridgeport, CT 06604

Prepared by:

METCALF & EDDY | AECOM

Metcalf & Eddy
860 North Main Street Extension
Wallingford, Connecticut 06492

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1.0 Scope and Objectives

Metcalf and Eddy, Inc. (M&E) was contracted by the City of Bridgeport Office of Planning and Economic Development to conduct a Phase II Environmental Site Assessment (ESA) at property located at 80 Hastings Street in Bridgeport, Connecticut (the "Site").

The objectives of the Phase II ESA are to evaluate for the presence of potential contamination on-site related to historical site uses on the site and to provide site environmental condition information to the City of Bridgeport, to assist in the evaluation of future redevelopment opportunities for the site. The Phase II ESA was performed in accordance with the Quality Assurance Project Plan (M&E, August 2008), which was approved by the United States Environmental Protection Agency. This Phase II ESA was limited in scope and focused on recognized environmental conditions which could pose the most significant effect on the environmental conditions of the site.

Determination of remediation requirements is typically not conducted as part of Phase II ESAs. However, potential remediation requirements are discussed in this report to help plan future activities.

This report is subject to the Statement of Limitations contained in Appendix A.

2.0 Site Description and Environmental Conditions

The Site is located at 80 Hastings Street, in the City of Bridgeport, Fairfield County, Connecticut. The site is identified in the City of Bridgeport Tax Assessor's office as Block 2022 Lot 36 and is located between Coggswell and Rockland Streets to the north and south, respectively, and west of Asylum Street. A site location map is provided as Figure 1. The Site is in an area of mixed residential and commercial/industrial land uses and consists of approximately 1.25 acres of land. The Site is zoned I-LI and improved with a 37,312 square foot concrete/cinder block light manufacturing building, 480 square feet of which consists of finished mezzanine level offices and break rooms. Asphalt pavement encompasses approximately 12,000 square feet along the eastern portion of the Site. Figure 2 presents a Site Plan.

M&E conducted a Phase I Environmental Site Assessment for the property in July 2008. Past site uses identified at the site using historical topographic maps, historical aerial photographs and Sanborn mapping are vacant land from 1893 to 1972 and industrial from 1972 to the present. The industrial use has been a metal plating shop from 1972 until approximately 2000 when the current operations ceased.

An Environmental Protection Agency ("EPA") emergency removal program was conducted at the Site in 2002. Removal actions began on January 14, 2002 and were completed on August 6, 2002. Interim removal actions were summarized in two USEPA Pollution Reports (POLREPs), dated February 1, 2002 and March 15, 2002. All removal activities were summarized in a report entitled Removal Program After Action Report, dated September 2002, prepared by Weston Solutions, Inc. (Weston) for the a USEPA.

M&E's Phase I Report (M&E, 2008) provides information regarding historical site uses and recognized environmental conditions (RECs). Eighteen RECs were identified at the Site as part of the Phase I ESA and development of the Quality Assurance Project Plan (QAPP) (M&E, 2008). These RECs are summarized (by number) as follows and depicted on Figure 2:

1. Soil – Subsurface soils due to cyanide and/or other metals and petroleum contamination from historic metal plating operations, spills, and/or seepage from floor drains or compromised sub-grade structures. Specific items potentially contributing to this REC include floor drains, utility trenches, sumps, depressions, compromised floor areas (if present), specific plating/industrial operations, cleaning areas, boiler room, laboratory, etc. Potential contaminants of concern associated with this REC include petroleum, cyanide, cadmium, nickel, zinc, and other metals. This REC was evaluated for volatile organics compounds (VOCs), cyanide, extractable total petroleum hydrocarbons (ETPH), and CT RSR 15 metals. In addition, select soil samples were analyzed for pollutant mobility issues related to cyanide and metals using the synthetic precipitation leaching procedure (SPLP) extraction.

2. Urban Fill - Historic fill may be potentially present. Potential contaminants of concern associated with this REC include metals and polycyclic aromatic hydrocarbons. This REC was evaluated for polycyclic aromatic hydrocarbons (PAHs) and CT RSR 15 metals. In addition, select soil samples were analyzed

for pollutant mobility issues related to PAHs and metals using the synthetic precipitation leaching procedure (SPLP) extraction.

3. Site-Wide Groundwater – Cyanide and/or other metals and petroleum contamination from historic metal plating operations, spills, and/or seepage from floor drains or compromised sub-grade structures. Potential contaminants of concern associated with this REC include volatile organic compounds, petroleum, cyanide, and metals. This REC was evaluated for VOCs, cyanide, and CT RSR 15 Metals.

4. Off-Site Groundwater – Potential contamination in off-site groundwater from neighboring industrial/commercial properties that flows onto this property. Potential contaminants of concern associated with this REC include volatile organic compounds, petroleum, cyanide, and metals. REC 4 is off-site groundwater impacts to the 80 Hastings Site. REC 4 was not directly assessed during this phase of work.

5. Residual petroleum – Possible hydraulic oil in lifts in loading docks and observed oil spills in the building. Potential contaminants of concern associated with this REC include petroleum. REC 5 was not evaluated directly during this phase of work.

6. Residual chemicals – Solids – cyanide and/or other metals, precipitates and filter cake on the main production floor. Liquids - acidic and/or basic solutions and metals solutions in the floor trenches. Desiccated sludge in the sludge holding tank. Additional residual chemicals may be present in equipment remaining on site, and in the laboratory. Potential contaminants of concern associated with this REC include volatile organic compounds, petroleum, cyanide, and metals. REC 6 was not evaluated directly during this phase of work.

7. PCBs – Possible PCBs related to hydraulic lifts, the former transformers, and light ballasts in the southern storage room and eastern office areas. REC 7 was not evaluated directly during this phase of work.

8. Lead-Based Paint (LBP) – Potential LBP observed on steel beams and in boiler room, due to age of facility. REC 8 was evaluated using XRF field screening techniques.

9. Asbestos-Containing Materials (ACM) – Potential asbestos in the ovens on site, in the boiler room, and in floor and ceiling tiles in the laboratory and offices. REC 9 was evaluated using field observations and PLM.

10. Freon – Freon remaining in window air conditioner units in the office area. REC 10 was not evaluated during this work.

11. Mold – Mold may be present on the building interior since the interior of the building is exposed to the elements. REC 11 was not evaluated during this phase of work.

12. Vault structure – Potential soil and/or groundwater contamination in the vicinity of the unknown concrete vault structure located in the southern portion of the

parking lot. Potential contaminants of concern associated with this REC include volatile organic compounds, petroleum, and metals. This REC was evaluated for VOCs, CT extractable total petroleum hydrocarbons (CT ETPH) and metals.

13. Fire Damage – Smoke staining, potentially containing PAHs, is present on the building interior from the January 2008 fire at the site. REC 13 was not evaluated during this phase of work.

14. Impacted Concrete – Concrete floor slabs may be contaminated due to historic spills. Potential contaminants of concern associated with this REC include metals. This REC was evaluated using total PP 13 metals and TCLP RCRA 8 metals.

15. Loading Docks – Loading dock areas may represent potential sources of contamination due to historic spills or leakage. Potential contaminants of concern associated with this REC include volatile organic compounds, petroleum, and metals. This REC was evaluated for VOCs, CT ETPH, and CT RSR 15 metals.

16. Chemical Storage Areas – Chemical storage areas may represent potential sources of contamination due to historic spills or leakage. Potential contaminants of concern associated with this REC include volatile organic compounds, petroleum, cyanide, and metals. Only one chemical storage area, the one associated with cyanide storage, was evaluated during this work. This REC was evaluated for cyanide during this work. Future phases of work may need to incorporate the other storage areas.

17. Tool Room – Chemicals may have been used and/or stored in the tool room. Potential contaminants of concern associated with this REC include volatile organic compounds, petroleum, and metals. This REC was not evaluated as part of this phase of work.

18. Subsurface Drainage Structures – Subsurface drainage structures, some potentially related to the municipal sanitary sewer system, may be present and may contain residual contamination. Potential contaminants of concern associated with this REC include volatile organic compounds, petroleum, cyanide, and metals. REC 18 was not directly evaluated as part of this work but may need to be evaluated in the future.

The Phase II ESA focused on the RECs believed to have the greatest impact to the environmental status of the site.

3.0 RSR Criteria

The following regulations and associated criteria are presented as they have been used to compare and evaluate the soil and groundwater data obtained during this Phase II ESA.

3.1 Connecticut Remediation Standard Regulations

The Connecticut Remediation Standard Regulations (RSRs) include numeric criteria for compounds identified in soil, soil vapor and groundwater. The Phase II ESA completed for this site included the collection and analyses of soil, concrete, and groundwater samples. These results were compared to the RSR criteria discussed below.

3.1.1 Soil Remediation Criteria

The RSRs contain numerical, default criteria for contaminated soil associated with a release area that are based on both the potential for direct human health impacts from exposure to contaminants (direct exposure criteria) and on the potential for contaminants in the soil to have an adverse impact on groundwater (pollutant mobility criteria). Two sets of direct exposure criteria are specified: one derived for residential land use, and the other derived for industrial and certain commercial land use. Similarly, two sets of pollutant mobility criteria are specified: one for areas with a groundwater classification of GA/GAA, and one for a groundwater classification of GB. Class GA/GAA groundwater is groundwater that is an existing or potential source of potable water and is presumed to be suitable for human consumption without the need for treatment. Class GB groundwater is presumed to have been degraded by past urban or industrial activities and may not be suitable for human consumption without treatment. Additional information on these criteria is presented in the following subsections.

Direct Exposure Criteria

The RSR definition of “residential activity” includes activities related to a residence or dwelling, as well as activities related to schools, hospitals, daycare centers, playgrounds, or outdoor recreation areas. The residential direct exposure criteria (RES DEC) apply in areas with residential activities, but are also the default criteria used to evaluate potential human exposure in all areas. Industrial/commercial direct exposure criteria (I/C DEC) may be applied to areas that do not fit the definition of residential activity, but an Environmental Land Use Restriction (ELUR) must be executed to prevent residential uses of the property. These criteria are for comparison to soil data analyzed on a mass of contaminant to mass of soil basis (typically milligram per kilogram, or mg/kg).

Pollutant Mobility Criteria

The RSRs for organic contaminants include a set of numerical pollutant mobility criteria (PMC) for contaminated soils on a mass/mass basis. Alternatively, organic contaminants can be analyzed using the toxicity characteristic leachate procedure (TCLP) or synthetic precipitation leachate procedure (SPLP), with the results compared to the groundwater protection criteria (GPC) based upon the

mass of the contaminant per liter of leachate, reported in mg/L. For GB aquifer areas, the results are compared to the groundwater protection criteria (GPC) times a factor of 10.

The RSR PMC for inorganic contaminants (metals) are based on TCLP or SPLP analysis of the soil. For GA areas, the PMC equal the GPC, for GB areas, the PMC are 10 times the groundwater protection criteria. However, under certain circumstances specified in the RSRs, the same 10 times factor may be applied in GA areas.

Depending on the groundwater classification, the RSRs include various options such as alternate PMC or the application of dilution factors. If site-specific criteria or dilution factors are proposed, a site-specific demonstration must be made that after dilution with on-site groundwater, the GPC will not be exceeded.

3.1.2 Groundwater Remediation Criteria

The RSRs contain numerical, default criteria for contaminated groundwater associated with a release area that are based on the potential for the groundwater to impact groundwater integrity in the area (groundwater protection criteria), to impact surface water (surface water protection criteria), and to impact human health by volatization into structures (volatization criteria). Two sets of volatization criteria are specified: one derived for residential land use, and the other derived for industrial and certain commercial land use. Similarly, two sets of groundwater protection criteria are specified: one for areas with a groundwater classification of GA/GAA, and one for a groundwater classification of GB. Only one set of groundwater protection criteria is specified.

Groundwater Protection Criteria (GWPC)

GWPC apply to both GA and GB classified groundwater areas under certain conditions. The default criterion for GA classified groundwater is background. However, under certain conditions, GWPC may be used as the remediation criteria. The conditions include, but are not limited to, GA classified areas where a public water supply is located within 200 feet of the site. Furthermore, remediation is not required for compounds detected above background levels but less than applicable GWPC as long as certain conditions are met. For GB areas, GWPC applies if the groundwater is used for drinking or other domestic use.

Surface Water Protection Criteria (SWPC)

If contaminated groundwater discharges to a surface water and interferes with the attainment of surface water quality standards, then groundwater remediation may be required. In addition, if the groundwater discharges to a wetland or an intermittent stream, aquatic life criteria are used to evaluate the need for remediation.

Volatilization Criteria (VC)

The RSRs include volatilization criteria for contaminated groundwater within 15 feet of the ground surface or a building. However, changes to the VC that were proposed in 2003 include applying the VC to a maximum depth of 30 feet below ground surface. The intent of these criteria is to prevent human exposure to vapors from contaminated groundwater. As with the soil criteria, volatilization criteria for both residential (RES VC) and industrial/commercial (I/C VC) uses are specified.

In addition to the criteria discussed above, the RSRs include information on statistical evaluation of sample data, including the use of the 95% upper confidence level data to compare to the RSR criteria; rendering soil that exceeds DEC inaccessible, which requires the institution of environmental land use restrictions; reuse of polluted soil; engineered controls of contaminated media; remediation requirements for LNAPL; development of criteria for substances that are not specified in the RSRs; development of alternative criteria, and other issues.

3.2 Summary of RSR Criteria Applied to the Site

The project evaluation criteria are based on the RSRs and the following site-specific conditions: the site is located in a GB aquifer area and the future use of the Site has not been determined, but is anticipated to be industrial/commercial.

Soil Criteria

The soil RSR criteria used to evaluate the obtained data are the RES DEC, I/C DEC and GB PMC. The area is classified as GB for groundwater. Future site use has not been determined, so the data have been compared to both the residential and industrial/commercial direct exposure criteria.

Groundwater Criteria

The groundwater RSR criteria used to evaluate compliance are the SWPC, RES VC, and I/C VC. The area is classified as GB for groundwater. Groundwater is assumed to ultimately discharge to Stillman Pond, which is the nearest named surface water body and is located east-southeast of the Site. Future site use has not been determined, so the data have been compared to both the residential and industrial/commercial criteria.

Concrete Criteria

The analytical results for the concrete were compared to the RES DEC and I/C DEC. The TCLP results were compared to disposal criteria to evaluate potential classification of the concrete should it require disposal.

4.0 Phase II Investigation Activities

4.1 Pre-Field Work

Prior to the commencement of invasive activities at the Site, Call-Before-You-Dig (CBYD), a public utility locating service, was contacted to minimize interruption of buried utlilities. All work was conducted in Modified Level D personal protective equipment.

Three (3) contractors were procured for field and laboratory services: Glacier Drilling, LLC of Durham, CT (soil boring and monitoring well installation services); Hygenix of Stamford, CT (ACM and LBP testing); and Con-Test Analytical Laboratory, of East Longmeadow, MA (analytical laboratory services).

4.2 Soil Borings

Nine (9) soil borings were conducted at the Site on September 8, 2008. The borings were drilled to depths ranging between 1.0 to 8.0 feet below grade. Locations are shown on Figure 2. Shallow bedrock, from approximately 1.0 to 4.0 feet below grade, was encountered (based on refusal of Geoprobe borings) in seven (7) (SB-1 to SB-4 and SB-7 to SB-9) of the nine (9) borings. Bedrock was encountered between 7.0 to 9.0 feet in two (2) borings (SB-5 and SB-6) installed in the vicinity of the below-grade sludge holding tanks. The water table was encountered at approximately two (2) feet below grade in borings SB-5, SB-6, SB-7, and SB-9. Soils consisted primarily of tan-brown to green-brown sands, silt, gravel, and fragments of weathered bedrock. Layers of ash, cinders, and brick fragments were present in several soil borings. Soil boring logs are located in Appendix B.

The soil borings were installed using a Geoprobe 56 TL track mounted rig. Sample cores were collected using clean, disposable acetate liners and retrieved in 4-foot intervals. Each core was logged by the field geologist and field screened using a PID. Dedicated disposable sampling trowels were used to collect samples. Both grab and composite (as requested by USEPA) soil samples were collected. Select aliquots from each soil boring (with the exception of soil borings SB-1, SB-2, and SB-3) were composited in gallon-size zip lock bags prior to being placed in sample containers to create two (2) composite samples. VOCs samples were collected in accordance with EPA Methods 5035 and 8260b.

Up to two sample aliquots were collected from each soil boring. One (1) aliquot was collected from a surficial interval for compositing, the other typically from an interval spanning the water table or an additional interval based on field judgment. Select soil samples were preserved with ice and submitted to ConTest for analysis of one (1) or more of the following parameters:

- Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8270c and SPLP PAHs by EPA Methods 1312/8270c;
- Volatile Organic Compounds (VOCs) by EPA Method 5035/8260b;
- Extractable Total Petroleum Hydrocarbons (ETPH) by CTETPH Method;
- Cyanide by EPA Method 9010 and SPLP Cyanide by EPA Methods 1312/9010;
- CTRSR 15 Metals by EPA Method 6010B/7471 and SPLP Metals by EPA Method 1312/6010B/7471; and

- Hexavalent chromium by EPA Method 3060a.

SPLP and hexavalent chromium analysis was performed on soil samples based on the results of the total concentration analysis. A summary of the soil samples collected and the sample parameters is presented in Table 1.

The soil borings were backfilled with clean sand and completed to existing grade with concrete with the exception of SB-5 which was completed as a groundwater monitoring well. Excess soil cuttings were placed back into the open boreholes.

4.3 Concrete Sampling

Three (3) concrete samples were collected on September 8, 2008 in accordance with the USEPA concrete sampling procedures provided in the QAPP. Concrete samples were collected from the concrete slab at soil borings SB-4 and SB-9 and from the platform wall of the sludge holding tanks in the vicinity of soil boring SB-5. The samples were collected within the top six inches of the concrete slab/wall. Concrete samples were preserved with ice and submitted to ConTest for the following analyses:

- Total Priority Pollutant 13 Metals by EPA Methods 6010B/7471;
- TCLP RCRA 8 Metals by EPA Methods 1311/6010B/7471; and
- Hexavalent chromium by EPA Method 3060a.

TCLP and hexavalent chromium analysis was performed on concrete samples based on the results of the total concentration analysis

4.4 Monitoring Well Installation and Well Development

One (1) monitoring well (MW-1) was installed on September 8, 2008 at soil boring location SB-5. The well was installed to a depth of nine (9) feet and constructed of 1-inch diameter PVC with eight (8) feet of 0.010-inch slotted screen. The screened interval spanned the water table. The well was completed with a flush-mounted roadbox set into the concrete floor. The well was developed upon completion using a peristaltic pump and dedicated down-hole tubing. Approximately one gallon of development water was generated. A monitoring well construction detail is presented in Appendix C.

4.5 Groundwater Measurement and Sampling

A groundwater sample was collected from the well on September 23, 2008. EPA low-flow groundwater sampling procedures were followed and a peristaltic pump was used to collect the groundwater sample. The sampling point was approximately two feet from the well bottom. The discharge from the pump was routed through a YSI 600 water-quality meter that measured dissolved oxygen, pH, temperature, ORP, and specific conductivity. The discharge was also analyzed for turbidity using a Lamont Turbidity Meter. These parameters were recorded on the groundwater sampling log located in Appendix D. The groundwater was sampled after the parameters stabilized in accordance with EPA low-flow protocol. The samples were preserved with ice, as well as hydrochloric acid (VOCs), nitric acid (metals), and sodium hydroxide (cyanide), and submitted to ConTest for the following analyses:

- VOCs by EPA Method 8260b;

- CTRSR 15 Metals by EPA Method 6010B/7471 (arsenic by graphite furnace); and,
- Cyanide by EPA Method 9010/335.2.

4.6 ACM and LBP Measurement and Sampling

An ACM and LBP survey and testing program was conducted at the Site on September 9, 2008 by Hygenix of Stamford, CT. Potential ACM were evaluated by Hygenix personnel utilizing field observations and polarized light microscopy (PLM). A total of 51 samples of potential ACM were collected and analyzed using PLM. Potential ACMs were also identified and quantified. LBP screening was conducted on painted surfaces of the building utilizing X-Ray Fluorescence (XRF).

The results of the ACM and LBP survey and testing are presented in the Hygenix reports attached as Appendices E and F, respectively.

5.0 Sampling Analytical Results

Laboratory analytical reports for the soil, concrete, and groundwater samples are located in Appendix F. The analytical results were evaluated with respect to the RSR criteria. Soil sample analytical results are summarized in Table 2. Concrete sample analytical results are provided in Table 3. Groundwater sample analytical results are summarized in Table 4.

5.1 Soil Analytical Results

VOCs. Four (4) soil samples were collected and analyzed for VOCs. No VOCs were detected in any of the samples. The detection limits did not exceed the RES DEC, I/C DEC, or GB PMC.

ETPH. Four (4) soil samples were analyzed for ETPH. ETPH was detected in several samples. Only one sample, SB-1d (the duplicate sample of SB-1), collected at a depth of 1-3 feet, resulted in an ETPH concentration of 580 mg/kg above the RES DEC of 500 mg/kg. No samples exceeded the I/C DEC or GB PMC of 2,500 mg/kg.

CTRSR 15 Metals. Eight (8) soil samples were analyzed for CTDEP 15 metals. A summary of the results is as follows:

- Arsenic was detected in three (4) samples at concentrations exceeding the RES DEC and I/C DEC of 10 mg/kg: COMP-2 (0-2 feet) at 12.4 mg/kg, SB-02 (0-2 feet) at 14.5 mg/kg, SB-5b (2-4 feet) at 15.8 mg/kg, and SB-6b (2-4 feet) at 11.0 mg/kg.
- Lead was detected in sample SB-1 (1-3 feet) at a concentration of 1,360 mg/kg, above the RES DEC and I/C DEC of 400 mg/kg and 1,000 mg/kg, respectively. Lead was also detected in the duplicate sample collected from SB-1 (SB-1d) at a concentration of 710 mg/kg, above the RES DEC criterion of 400 mg/kg.
- Cadmium was detected in two (2) samples at concentrations exceeding the RES DEC of 34 mg/kg: SB-5b (2-4 feet) at 986 mg/kg and SB-6b (2-4 feet) at 47.9 mg/kg.
- No other metals exceeded DEC criteria, and no metals exceeding DEC criteria were detected in samples COMP-1 (0-2 feet) and SB-9b (2-4 feet).
- Due to the potential dilution of results in the composite samples, the results of COMP-1 and COMP-2 can only be used to conclude that several metals do not exceed the RSR criteria in the individual soil samples comprising the composite samples. Based on a comparison of the results to the dilution factor of 3, arsenic, cadmium, chromium, lead, and thallium may exceed RSR DEC criteria in one or more of the individual soil samples comprising the COMP samples. However, based on the results of other soil samples, thallium is not likely to exceed RSR criteria.
- Cadmium exceeded the GB PMC of 50 µg/l in sample SB-5b at 592 µg/l. No other metals exceeded the SPLP GB PMC in any samples. By comparison, lead exceeded the GA PMC of 15 µg/l in SB-1 at 110 µg/l; cadmium exceeded the GA PMC of 5 µg/l in samples collected from SB-5b and SB-6b at concentrations of 592 µg/l and 7.97 µg/l, respectively; and, chromium detected in the sample collected from SB-5b at a concentration of 190 µg/l exceeded the GA PMC of 50 µg/l.

PAHs. The two (2) composite soil samples were analyzed for PAHs and SPLP PAH analysis was requested for sample COMP- 1 and COMP-2 to provide an alternative assessment of compliance with the GB PMC. PAHs were detected in composite sample COMP-1 at concentrations below RSR DEC criteria. No PAH compounds were detected above method detection limits in the COMP-2 sample.

Based on the SPLP PAH testing results, no exceedances of the GB PMC were noted, while also accounting for dilution of the COMP samples.

Total Cyanide. Five (5) soil samples were analyzed for cyanide with one (1) sample (SB-5b) additionally analyzed for SPLP cyanide. Cyanide was detected in all five samples at concentrations ranging from 3.9 mg/kg in sample SB-6b to 190 mg/kg in sample SB-5b, below both the RES DEC (1,400 mg/kg) and I/C DEC (41,000 mg/kg) criteria.

SPLP cyanide analysis was performed on sample SB-5b. The results indicate a concentration of 0.283 mg/L present in the sample, above the GA PMC criterion of 0.200 mg/l but below the GB PMC criterion of 2 mg/L.

Hexavalent Chromium. Hexavalent chromium analysis was performed on three (3) soil samples; COMP-2, SB-5b, and SB-6b. The analytical results indicate that hexavalent chromium was not detected above laboratory method detection limits (1.80 mg/kg) in the three (3) samples. The RES DEC and I/C DEC for hexavalent chromium are both 100 mg/kg.

5.2 Concrete Sample Analytical Results

The concrete sample analytical data is provided on Table 3. Three (3) concrete samples were collected and the analytical results are summarized below. All three samples were analyzed for EPA Priority Pollutant 13 (PP 13) metals, TCLP RCRA 8 metals, and hexavalent chromium.

PP 13 Metals. The results of the PP13 metals analysis are as follows:

- Arsenic was detected in all three (3) concrete samples at concentrations exceeding the RES DEC and I/C DEC of 10 mg/kg: CC-1 at 15.8 mg/kg, CC-2 at 17.5 mg/kg, and CC-3 at 57.1 mg/kg.
- Cadmium was detected in the three (3) concrete samples at concentrations of 37.0 mg/kg in CC-1, 203 mg/kg in CC-2, and 387 mg/kg in CC-3, above the RES DEC criterion of 34.0 mg/kg.
- Copper was detected above RES DEC criteria of 2,500 mg/kg in sample CC-2 at 4,140 mg/kg.
- Lead was detected above RES DEC criteria of 400 mg/kg in sample CC-3 at 947 mg/kg.
- Nickel concentrations exceeded RES DEC criterion of 1,400 mg/kg in sample CC-1 at 2,220 mg/kg. I/C DEC criterion of 7,500 mg/kg for nickel was exceeded in samples CC-2 at 36,900 mg/kg and CC-3 at 10,400 mg/kg.

TCLP RCRA 8 Metals. The results were not compared to GB PMC for this media. The results were compared to TCLP RCRA 8 Metals hazardous disposal criteria. No TCLP RCRA 8 Metals exceeded hazardous disposal criteria for the CC-1 and CC-2 samples. Based on the TCLP cadmium and chromium results for CC-3, the CC-3 concrete would need to be disposed of as Connecticut regulated hazardous material.

Hexavalent Chromium. Hexavalent chromium was detected at a concentration exceeding the RES DEC and I/C DEC of 100 mg/kg in sample CC-3 at 879 mg/kg. The analytical results indicate that hexavalent chromium was detected at a concentration of 0.68 mg/kg in concrete sample CC-1 and not detected above laboratory method detection limits in sample CC-2.

5.3 Groundwater Analytical Results

Groundwater sample analytical results are provided on Table 4 and summarized below.

VOCs. A groundwater sample, duplicate sample, and trip blank were analyzed for VOCs. No VOCs were detected. The detection limits were all below I/C VC and SWPC RSR criteria.

Metals. Arsenic, cadmium, copper, lead, and zinc were detected in monitoring well MW-1 and the duplicate sample (with the exception of arsenic) at concentrations exceeding their respective SWPC. The concentration of total chromium exceeded SWPC for hexavalent chromium. As shown on Table 4, several other metals were detected but at concentrations below the SWPC.

Cyanide. Cyanide was not detected above method detection limits in the sample collected from MW-1; however, cyanide was present at a concentration of 0.600 mg/l in the duplicate sample, above the SWPC criterion of 0.052 mg/l.

5.4 Asbestos Sampling and Screening Results

The results of the asbestos sampling and survey activities are provided in the report included as Appendix E. The locations of asbestos containing materials are provided in the report. The following inventories are provided in the report:

- asbestos containing materials both confirmed by sampling and suspected without sampling results; and
- non-asbestos containing materials confirmed by sampling

The following asbestos containing materials were identified:

- 1,000 ft^2 of flashing/cement located along the roof perimeter edge;
- 450 ft^2 of roll-out roofing located on the pitched roof over ladder;
- 1,800 ft^2 of roof field in Section #1 roof;
- Sink insulation for 5 sinks in the rear offices/labs;
- 9 x 9 floor tiles (80 ft^2 in the hall outside the lab; 500 ft^2 in the laboratory); and
- Tar coated wood debris in the former acid storage area (northwest corner of building).

5.5 Lead-Paint Screening Results

The results of the lead-paint screening activities are provided in the report included as Appendix F. The locations of lead-based paint screening locations and lead-based paint containing materials are provided in the report. The following items were identified as containing lead (see report for building section location):

- Section #3 – interior window casing
- Section #3 – interior concrete walls
- Section #3 – interior brick walls

6.0 Data QA/QC

6.1 QA/QC Samples

QA/QC samples were collected as part of the investigation to allow for the evaluation of the precision, accuracy, and usability of data collected during the field effort. Details regarding the QA/QC measures are located in the Quality Assurance Project Plan (QAPP) for Phase II Environmental Site Assessment Progressive Plating Technologies, aka: Automatic Plating, 80 Hastings Street, Bridgeport, Connecticut (M&E, August 2008). The QAPP was approved by EPA prior to initiation of sampling activities.

6.1.1 Field Quality Control Samples

Quality control samples that were collected in the field and submitted to the laboratory along with the environmental samples are discussed in this section. The types of QC samples that were collected included the following: trip blanks, equipment blanks, and field duplicates. Method blanks and matrix spike/matrix spike duplicates (MS/MSDs) were analyzed by the laboratory on approximately one (1) per 20 batches for internal QA/QC purposes. A total of two (2) sample batches were submitted to the laboratory, one (1) each for soil/concrete chips and groundwater. Batch #19963 was comprised of groundwater samples, and #19446 was comprised of soil and concrete samples. In addition, batch #19551 was submitted to the laboratory on September 11, 2008 and consisted of additional equipment blank sample and batch #19947 was generated on September 22, 2008 as a reactivation of soil and concrete samples for additional analysis.

Trip Blanks
A trip blank was submitted with batches 19446 and 19963. The analysis of this blank provided a baseline measurement of any VOC contamination that the samples may have been exposed to during transport. Each trip blank, for both soil and groundwater analysis, was comprised of a sample container filled with high performance liquid chromatography organic-free water, preserved, handled like a sample, and sent to the laboratory for analysis.

Equipment Blanks
An equipment blank was collected and submitted with batch #19446. As noted, additional volume for the equipment blank submitted with batch #19446 was required and submitted as batch #19947. The analysis of these blanks serves to verify the cleanliness of the sampling equipment. An equipment blank is collected by rinsing decontaminated field equipment with deionized water, transferring the water to a sample container, and sending the sample for analysis. The equipment blanks were analyzed for the same parameters as the samples collected with that equipment.

Field Duplicates
Field duplicates were collected for sample batches 19446 and 19963. Each duplicate was two (2) samples collected independently from one (1) sampling location during a single episode (within a reasonable timeframe) of sampling using the sample collection procedures that were used to obtain the original sample. Duplicates provide information about sample variability.

Matrix Spike/Matrix Spike Duplicates
Matrix spike and matrix spike duplicates (MS/MSDs) are a QC requirement performed by the laboratory. No additional soil or groundwater volumes were provided to the laboratory for any of the batch samples.

Documentation and Review of Quality Control Activities
Field QC samples were packed and delivered along with their corresponding environmental samples, and were noted on the chain of custody.

6.1.2 Laboratory Quality Control Requirements

Laboratory control samples were analyzed as necessary by the laboratory. Details on these can be found in the QAPP and in the laboratory analytical reports in Appendix G.

6.2 Data Validation and Usability / Analytical Precision and Accuracy

Data validation consisted of evaluating the following items:

- Sample Holding Times
- Field, trip and laboratory blanks
- Field duplicate results
- Laboratory duplicate results
- Matrix spike/matrix spike duplicate results
- Laboratory control spike recoveries (metals only)
- Surrogate spike recoveries (organics only)

No data was rejected, but some detections and detection limits were qualified. The following is a description of how data was qualified (flagged) for each QC parameter when control limits are not met for sample data:

- **Holding Times:** If the holding time was exceeded, all positive results were flagged as estimated (J) and all non-detects will be flagged as estimated (UJ).

- **Calibration:** If the continuing calibration criteria are exceeded, all positive results were flagged as estimated (J) and all nondetects were flagged as estimated (UJ) if the bias was low.

- **Blanks:** When blank contaminants were detected, an action level of 5 times the blank contaminant concentration was set for the analytes, as none were common laboratory contaminants. If the sample analyte concentration was greater than the action level, the concentration was reported unqualified. If the sample analyte concentration was less than the action level, the concentration was reported and flagged to be the qualified detection limit (U).

- **Sample Duplicate:** If laboratory or field duplicate analyses resulted in a relative percent difference (RPD) greater than 30% (aqueous) or 50% (soil), all positive results were flagged as estimated (J) and all nondetects were reported unqualified. If one value was nondetect and the other as above the detection limit, all positive

results were flagged as estimated (J) and all nondetects were flagged as estimated (UJ).

- **Matrix Spike/Matrix Spike Duplicates:** If the final results of the matrix spike were greater than the acceptable recovery range, all positive results were flagged as estimated (J) and all nondetects were reported unqualified. If the final results of the matrix spike were less than the acceptable range, all positive results were flagged as estimated (J) and all nondetects were flagged as estimated (UJ).

6.3 Data Usability Evaluation

A summary of data qualifications is provided on Table 5 and qualification flags are shown on Tables 2, 3, and 4. Although some analytical results were qualified due to issues such as matrix spike recovery being out of control limits, detections in method and field blanks and in field duplicates, none of the data qualifications render the data unusable.

7.0 Conclusions

M&E has completed a Phase II ESA of the Site. Soil, concrete, and groundwater samples were collected from the RECs identified in the QAPP and listed below:

- Soil (RECs 1 and 2) – Subsurface soils due to cyanide and/or other metals and petroleum contamination from historic metal plating operations, spills, and/or seepage from floor drains or compromised sub-grade structures. In addition, historic fill is included here.
- Soil (REC 12) – Vault Structure - Subsurface soils due to potential impacts from the subgrade concrete vault structure.
- Soil (REC 15) – Loading Docks - Subsurface soils due to VOCs and/or other metals and petroleum contamination from spills.
- Soil (REC 16) – Chemical Storage Areas - Subsurface soils due to cyanide and/or other metals and petroleum contamination from spills and/or seepage from floor drains or compromised sub-grade structures.
- Groundwater (REC 3) – Cyanide and/or other metals and petroleum contamination from historic metal plating operations and/or seepage from floor drains or compromised sub-grade structures.
- Concrete Surfaces (REC 14) – Concrete surfaces (i.e. floor slabs and lower portions of walls) may be impacted due to spills from historic metal plating operations.
- Lead based paint (LBP) (REC 8) – Due to the age of the Site, the potential exists for the presence of LBP.
- Potential Asbestos Containing Material (PACM) (REC 9) – Due to the age of the Site, PACM may be present.

Contamination issues based on the results of the Phase II ESA for these RECs are discussed below with respect to the RSRs.

7.1 Soil

RECs 1 and 2, 15, and 16

These AOCs overlap and form the interior and a small portion of the exterior of the former metal plating facility.

Bedrock was encountered (based on refusal of Geoprobe borings) at a depth of 2 to 3 feet below the majority of the site except for the area in the vicinity of the former wastewater treatment area.

Urban fill materials characterized by ash, cinders, and brick fragments, mixed with brown sand was present throughout the Site.

Arsenic was detected above the RES DEC and I/C DEC in composite sample COMP-2. COMP-2 consisted of soil aliquots collected from the 0-2 foot interval from soil borings SB-6, SB-7 and SB-8, located in the northeastern portion of the Site.

Arsenic and cadmium were detected at two locations (SB-5 and SB-6) in soil samples collected from 2-4 feet below grade in the central portion of the Site, just south of the sludge holding tanks. The concentration of arsenic in soil from SB-5 and SB-6 exceeded the RES DEC and I/C DEC. The concentration of cadmium in soil from SB-6 exceeded the RES DEC.

ETPH and PAHs were detected at concentrations below RES DEC and GB PMC.

SPLP cadmium exceeded the GB pollutant mobility criteria at location SB-5, within the area of the former plating operations and wastewater treatment facility.

The subsurface soils beneath the Site appear to have been impacted by the former metal plating facility and to a lesser extent by the use of historic fill material, as evidenced by the elevated metals concentrations and minimal impact of PAHs on the soils.

Only arsenic was detected at a concentration above CT RSR criteria at the SB-2 location, which was used to evaluate the loading dock area (REC 15). No other constituents were detected above RES DEC. The arsenic is likely related to the site-wide urban fill. Based on this data, this REC does not require additional investigation.

Cyanide was not detected at a concentration above the RES DEC for the SB-3 location, which was used to evaluate the cyanide storage area (REC 16). Based on this data, this REC does not require additional investigation.

REC 12

Fill materials consisting of ash and cinders were present at this location. This area may contain urban fill materials.

ETPH was present in the duplicate sample collected from this area above RES DEC, but below the I/C DEC. Lead was detected in the sample collected from this REC at a concentration above the I/C DEC.

A release may have occurred from the sub-grade vault structure. However, the extent of impacts to soil, and potentially groundwater, has not been defined.

7.2 Concrete

REC 14

In each of the samples, one or more of the metals arsenic, cadmium, copper, hexavalent chromium, lead, and nickel were detected at concentrations exceeding either the RES DEC or the I/C DEC.

Based on TCLP RCRA 8 metals analysis, the concrete in the area of concrete sample CC-3 would not be classified as non-hazardous materials if it was removed and disposed of offsite, but it would likely be classified as Connecticut regulated hazardous material if it was disposed off-site.

The results of the concrete sampling indicate that the concrete has been impacted by the former metal plating operations.

7.3 Groundwater

REC 3

Groundwater was collected from a well located in the approximate center of the portion of the on-site building where plating operations occurred. The groundwater sample contained arsenic, cadmium, chromium (potentially if it is hexavalent chromium), copper, lead, zinc, and cyanide at concentrations in exceedance of the CTRSR SWPC. No VOCs were detected in the groundwater sample.

The results of the groundwater sampling indicate that the groundwater, at least in the area of the monitoring well, has been impacted by the former metal plating operations.

7.4 Asbestos Containing Materials Sampling and Survey

REC 9

Several different types of asbestos-containing materials are present in the building at several locations. Additional testing is required since a number of different types of suspect materials were not tested for asbestos content. The total estimated quantity of asbestos containing materials could potentially be refined based on the additional sampling.

7.5 Lead-Paint Screening Survey

REC 8

Several lead-paint containing items were identified via XRF field screening. If these materials are to be disposed of off-site, TCLP analysis of lead paint chips from these items are recommended to evaluate disposal requirements for the items.

8.0 Potential Remediation Requirements

The Regulations of Connecticut State Agencies (RCSA) Sections 22a-133k-1 through 22a-133k-3, inclusive, comprise the Connecticut Remediation Standard Regulations (RSRs). The RSRs apply to sites that meet the definition of "establishment" in the Connecticut Transfer Act. The RSRs also apply to sites undergoing voluntary remediation under Connecticut General Statutes Sections 22a-133x (which includes sites owned by municipalities) and 22a-133y and to sites under an order. The CT DEP suggests that the RSRs be used for guidance on sites that do not fit these two categories and are undergoing investigation or remediation.

Based on the findings of the Phase I ESA (M&E, July 2008), the site does appear to meet the definition of "establishment", is not currently in the voluntary remediation program, and is not under an order. Due to the site being an establishement, the RSRs are applicable to the site. However, certain remediation funding sources, such as the EPA Brownfields Cleanup Grants, require that the site be entered into CGS Section 22a 133x Voluntary Remediation Program. Although remediation planning is premature since the extent of contamination on the site has not been fully characterized, it is recommended that general remediation concepts be discussed to help plan future activities. Provided below is a general discussion of RSR remediation requirements.

General Soil Remediation Requirements. Soil with concentrations of COCs exceeding the GB PMC which is not "environmentally isolated" must be remediated to the seasonal high water table. Soil with concentrations of contaminants exceeding the R DEC and/or I/C DEC must be remediated to a depth of 15 feet of the ground surface or rendered "inaccessible".

"Environmentally isolated soil" is defined as polluted soil which is (A) beneath an existing building or another existing and permanent structure which the Commissioner has determined in writing would prevent the migration of pollutants; (B) not a continuing source of pollution; (C) not polluted with volatile organic substances, or if polluted with such substances, the concentration of such substances has been reduced to the maximum extent prudent; and (D) above the seasonal high water table. [22a-133k-1(a)(15)]

The pollutant mobility criteria ("PMC") do not apply to environmentally isolated soils, provided an environmental land use restriction ("ELUR") is in effect that ensures that such soil will not be exposed to infiltration of soil water due to demolition of the building or structure. [22a-133k-2(c)(4)(B)]

Environmentally isolated soils are also considered "inaccessible", thereby addressing direct exposure criteria (DEC) exceedances. The RSRs define "inaccessible soils" as polluted soil which is: (A) more than four feet below the ground surface; (B) more than two feet below a paved surface comprised of a minimum of three inches of bituminous concrete or concrete, which two feet may include the depth of any material used as sub-base for the pavement; or (C)(i) beneath an existing building or (ii) beneath another existing permanent structure provided written notice that such structure will be used to prevent human contact with such soil has been provided to the CTDEP. Therefore, soils that exceed DEC may be addressed by covering them with clean fill and/or a paved

surface ("rendered inaccessible"). If soils that exceed DEC are rendered inaccessible, an ELUR would have to be recorded on the municipal land records.

An ELUR for the R DEC would restrict future residential use or the future disturbance of the area, unless remediation to comply with the R DEC was completed. An ELUR for I/C DEC would restrict future disturbance of the affected soil.

The RSRs allow for the use of an "engineered control" to effectively eliminate migration of contaminants that exceed the pollutant mobility criteria or to render soil that exceeds DEC inaccessible. For the subject site, it is recommended that a redevelopment plan be developed that considers the soil contamination at concentrations exceeding the R DEC, I/C DEC and GB PMC. The plan could incorporate the utilization of the building and paved surfaces such as parking lots and driveways to cap the contaminated materials. An ELUR would also be required.

If an engineered control is utilized, prior to using the engineered control as a remedial measure, CTDEP approval is required. In approving the use of an engineered control at the subject sites, the CTDEP would consider the following conditions: 1) remediation of the waste material is not technically practical; 2) the removal of contaminated soil would create an unacceptable risk to human health; 3) and/or the cost of remediation is significantly greater than the cost of an engineered control. Requirements are stipulated for the installation of an engineered control and are completely described in the RSRs. Prior to approval, the CTDEP would likely also consider the frequency and extent to which the site is flooded and how the engineered control is designed to withstand issues related to flooding. In order to implement an engineered control, a report must be submitted to CTDEP summarizing the proposed engineered control and the maintenance and monitoring which will be conducted as part of the engineered control system. A public notice and comment period is also required, and an ELUR would have to be recorded.

Groundwater Remediation Requirements. VOCs were not detected in groundwater. If VOCs are not present in the groundwater above RSR volatilization criteria, vapor intrusion mitigation measures would not be required to address VOCs.

The RSRs require that groundwater at this site be remediated to meet the requirements of the SWPC. Given the fact that the potential downgradient receiving surface water bodies are approximately 1,000 ft (eastward) and 3,000 ft (westward) away from the site, natural attenuation of the constituents which were detected at concentrations exceeding SPWC may reduce the concentrations of these constituents to concentrations below the SWPC. Active remediation of groundwater may not be required; however, natural attenuation monitoring would likely be required. The RSRs allow for the calculation of alternate surface water protection criteria. The calculation of the alternate criteria would likely require additional site specific groundwater information, information concerning the receiving water body, as well as the nature and extent of the contaminant plume. CTDEP approval of the alternative SWPC is required.

9.0 Data Gaps and Recommendations

Although a limited Phase II ESA has been completed, several data gaps remain at the Site. Collecting additional information to fill these data gaps will help to develop cost-effective remediation and development plans and to determine costs associated with remediation. It is recommended that the following data gaps be addressed in Phase III investigation activities:

- Extent of urban fill materials (REC 2);
- Additional sampling of soil within the building footprint (RECs 1 and 16) and adjacent to the sub-grade vault structure (REC 12) to determine the extent of impacted soils;
- Additional sampling of concrete to determine the extent of the impacts to the concrete (REC 14);
- Additional sampling of groundwater is recommended to confirm the presence/absence of VOCs, metals, hexavalent chromium, and cyanide, and to evaluate groundwater flow direction (REC 3);
- Additional sampling of potential asbestos containing materials in the building to refine the estimated quantities of asbestos containing materials (REC 9);
- TCLP sampling of lead-based paint materials to confirm the results of the XRF screening (REC 8);
- Evaluation of RECs not evaluated during this Phase II ESA (RECs 4, 5, 6, 7, 10, 11, 13, 17, and 18); and
- Remediation requirements and cost estimates.

Based on the results of this Phase II ESA, no further action is recommended for the following RECs:

- REC 15 – Loading Docks; and
- REC 16 – Cyanide Storage Area; the other chemical storage areas may require additional evaluation.

Based on the results of this Phase II ESA and anticipated future site use, remediation/redevelopment of the site can potentially include one or more of the following approaches:

- environmentally isolating impacted soil beneath a building (existing or new) or other CTDEP-approved structure;
- rendering soil inaccessible beneath an engineered control, such as pavement;
- excavating impacted soil and disposing off-site; and
- addressing groundwater impacts via monitored natural attenuation, source removal, in situ treatment, or containment.

Site characterization and a proposed remedial approach may need to be approved by CTDEP.

10.0 References

Metcalf & Eddy, Inc., July 2008. Phase I Environmental Site Assessment, Progressive Plating Technologies AKA: Automatic Plating, 80 Hastings Street, Bridgeport, Connecticut.

Metcalf & Eddy, Inc., August 2008. Quality Assurance Project Plan for Phase II Environmental Site Assessment, Progressive Plating Technologies AKA: Automatic Plating, 80 Hastings Street, Bridgeport, Connecticut.

Tables

Table 1.
Phase II ESA Summary of Soil Samples and Analysis
Progressive Plating Technologies
80 Hastings Street
Bridgeport, CT
Metcalf Eddy / AECOM

Boring ID	Sample Date	Sample Depth	Sample Time	Requested Analytes	Comments
SB-1	September 8, 2008	1-3 feet	1540	CT ETPH VOCs CTRSR 15 Metals SPLP Metals SPLP Mercury	
SB-1d	September 8, 2008	1-3 feet	1542	CT ETPH CTRSR 15 Metals	Duplicate of SB-1
SB-2	September 8, 2008	1-2 feet	1555	CT ETPH VOCs CTRSR 15 Metals	
SB-3	September 8, 2008	0-1 feet	1010	Cyanide	
SB-5b	September 8, 2008	2-4 feet	1030	Cyanide SPLP Cyanide Hexavalent chromium CTRSR 15 Metals SPLP Metals	
SB-6b	September 8, 2008	2-4 feet	1105	Cyanide Hexavalent chromium CTRSR 15 Metals SPLP Metals	
SB-6d	September 8, 2008	6-8 feet	1115	CT ETPH VOCs	
SB-16	September 8, 2008	6-8 feet	1116	VOCs	Duplicate of SB-6d
SB-9b	September 8, 2008	2-4 feet	1445	Cyanide CTRSR 15 Metals	
COMP-1	September 8, 2008	0-2 feet	2005	Cyanide CTRSR 15 Metals PAH SPLP PAH	Composite of aliquots collected from 0-2 feet from soil borings SB-4, SB-5, and SB-9
COMP-2	September 8, 2008	0-2 feet	2055	Hexavalent chromium CTRSR 15 Metals PAH	Composite of aliquots collected from 0-2 feet from soil borings SB-6, SB-7, and SB-8
CC-1	September 8, 2008	0-0.5 feet	0905	Hexavalent chromium CT 13 Metals TCLP Metals	Concrete chip sample from near SB-4 location
CC-2	September 8, 2008	0-0.5 feet	1007	Hexavalent chromium CT 13 Metals TCLP Metals	Concrete chip sample from wall near SB-5 location
CC-3	September 8, 2008	0-0.5 feet	1014	Hexavalent chromium CT 13 Metals TCLP Metals	Concrete chip sample from near SB-9 location

Table 2.
Summary of Phase II ESA Soil Sample Analytical Results
Progressive Plating Technologies
80 Hastings Street
Bridgeport, CT
Metcalf Eddy / AECOM

Parameter	CT RSR Criteria			Sample Locations									
	I/C DEC	RES DEC	GB PMC	COMP-1 (SB-4, SB-5, & SB-9)	COMP-2 (SB-6, SB-7, & SB-8)	SB-1		SB-1d		SB-2		SB-3	
Sampling Date				9/8/08	9/8/08	9/8/08		9/8/08		9/8/08		9/8/08	
Sample Depth (feet)				0-2 (composite)	0-2 (composite)	1-3		1-3 (duplicate)		1-2		0-1	
Laboratory Report Number				LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947		LIMT-19446 & LIMT-19947		LIMT-19446 & LIMT-19947		LIMT-19446 & LIMT-19947	
VOCs 8260 solid (mg/kg)													
Acetone	1,000	500		NT	NT	<0.053	UJ	NT		<0.053	UJ	NT	
Acrylonitrile	11	1.1		NT	NT	<0.006		NT		<0.006		NT	
tert-Amylmethyl Ether	~	~		NT	NT	<0.001		NT		<0.001		NT	
Benzene	200	21		NT	NT	<0.002		NT		<0.002		NT	
Bromobenzene	~	~		NT	NT	<0.002		NT		<0.002		NT	
Bromochloromethane	~	~		NT	NT	<0.002		NT		<0.002		NT	
Bromodichloromethane	92	9.9		NT	NT	<0.002		NT		<0.002		NT	
Bromoform	720	78		NT	NT	<0.002		NT		<0.002		NT	
Bromomethane	1,000	95		NT	NT	<0.006		NT		<0.006		NT	
2-Butanone (MEK)	1,000	500		NT	NT	<0.022	UJ	NT		<0.022	UJ	NT	
tert-Butyl Alcohol	~	~		NT	NT	<0.022	UJ	NT		<0.022	UJ	NT	
n-Butylbenzene	1,000	500		NT	NT	<0.002		NT		<0.002		NT	
sec-Butylbenzene	1,000	500		NT	NT	<0.002		NT		<0.002		NT	
tert-Butylbenzene	1,000	500		NT	NT	<0.002		NT		<0.002		NT	
tert-Butylethyl Ether	~	~		NT	NT	<0.001		NT		<0.001		NT	
Carbon Disulfide	1,000	500		NT	NT	<0.006		NT		<0.006		NT	
Carbon Tetrachloride	44	4.7		NT	NT	<0.002		NT		<0.002		NT	
Chlorobenzene	1,000	500		NT	NT	<0.002		NT		<0.002		NT	
Chlorodibromomethane	68	7.3		NT	NT	<0.001		NT		<0.001		NT	
Chloroethane	~	~		NT	NT	<0.011		NT		<0.011		NT	
Chloroform	940	100		NT	NT	<0.003		NT		<0.003		NT	
Chloromethane	440	47		NT	NT	<0.006		NT		<0.006		NT	
2-Chlorotoluene	~	~		NT	NT	<0.002		NT		<0.002		NT	
4-Chlorotoluene	~	~		NT	NT	<0.002		NT		<0.002		NT	
1,2-Dibromo-3-Chloropropane	4.1	0.44		NT	NT	<0.002		NT		<0.002		NT	
1,2-Dibromoethane	0.067	0.007		NT	NT	<0.001		NT		<0.001		NT	
Dibromomethane	~	~		NT	NT	<0.002		NT		<0.002		NT	
1,2-Dichlorobenzene	1,000	500		NT	NT	<0.002		NT		<0.002		NT	
1,3-Dichlorobenzene	1,000	500		NT	NT	<0.002		NT		<0.002		NT	
1,4-Dichlorobenzene	240	26		NT	NT	<0.002		NT		<0.002		NT	
trans-1,4-Dichloro-2-Butene	~	~		NT	NT	<0.003		NT		<0.003		NT	
Dichlorodifluoromethane	~	~		NT	NT	<0.011		NT		<0.011		NT	
1,1-Dichloroethane	1,000	500		NT	NT	<0.002		NT		<0.002		NT	
1,2-Dichloroethane	63	6.7		NT	NT	<0.002		NT		<0.002		NT	
1,1-Dichloroethylene	9.5	1.0		NT	NT	<0.003		NT		<0.003		NT	
cis-1,2-Dichloroethylene	1,000	500		NT	NT	<0.002		NT		<0.002		NT	
trans-1,2-Dichloroethylene	1,000	500		NT	NT	<0.002		NT		<0.002		NT	
1,2-Dichloropropane	84	9.0		NT	NT	<0.002		NT		<0.002		NT	
1,3-Dichloropropane	~	~		NT	NT	<0.001		NT		<0.001		NT	
2,2-Dichloropropane	~	~		NT	NT	<0.002		NT		<0.002		NT	
1,1-Dichloropropene	~	~		NT	NT	<0.002		NT		<0.002		NT	
cis-1,3-Dichloropropene	32	3.4		NT	NT	<0.001		NT		<0.001		NT	
trans-1,3-Dichloropropene	32	3.4		NT	NT	<0.001		NT		<0.001		NT	
Diethyl Ether	~	~		NT	NT	<0.011		NT		<0.011		NT	
Diisopropyl Ether	~	~		NT	NT	<0.001		NT		<0.001		NT	
1,4-Dioxane	~	~		NT	NT	<0.053	UJ	NT		<0.053	UJ	NT	
Ethyl Benzene	1,000	500		NT	NT	<0.002		NT		<0.002		NT	
Hexachlorobutadiene	~	~		NT	NT	<0.002		NT		<0.002		NT	
2-Hexanone	~	~		NT	NT	<0.011		NT		<0.011		NT	
Isopropylbenzene	1,000	500		NT	NT	<0.002		NT		<0.002		NT	
p-Isopropyltoluene	1,000	500		NT	NT	<0.002		NT		<0.002		NT	
MTBE	1,000	500		NT	NT	<0.003		NT		<0.003		NT	
Methylene Chloride	760	82		NT	NT	<0.011		NT		<0.011		NT	
MIBK	1,000	500		NT	NT	<0.011		NT		<0.011		NT	
Naphthalene	2,500	1,000		NT	NT	<0.006	UJ	NT		<0.006	UJ	NT	
n-Propylbenzene	1,000	500		NT	NT	<0.002		NT		<0.002		NT	
Styrene	1,000	500		NT	NT	<0.002		NT		<0.002		NT	
1,1,1,2-Tetrachloroethane	220	24		NT	NT	<0.002		NT		<0.002		NT	
1,1,2,2-Tetrachloroethane	29	3.1		NT	NT	<0.001		NT		<0.001		NT	
Tetrachloroethylene	110	12		NT	NT	<0.002		NT		<0.002		NT	

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Parameter	CT RSR Criteria			Sample Locations					
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Sampling Date				9/8/08	9/8/08	9/8/08	9/8/08	9/8/08	9/8/08
Sample Depth (feet)				0-2 (composite)	0-2 (composite)	1-3	1-3 (duplicate)	1-2	0-1
Laboratory Report Number				LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947
Tetrahydrofuran	~	~		NT	NT	<0.006 UJ	NT	<0.006 UJ	NT
Toluene	1,000	500		NT	NT	<0.002	NT	<0.002	NT
1,2,3-Trichlorobenzene	~	~		NT	NT	<0.003	NT	<0.003	NT
1,2,4-Trichlorobenzene	2,500	680		NT	NT	<0.003	NT	<0.003	NT
1,1,1-Trichloroethane	1,000	500		NT	NT	<0.002	NT	<0.002	NT
1,1,2-Trichloroethane	100	11		NT	NT	<0.002	NT	<0.002	NT
Trichloroethylene	520	56		NT	NT	<0.002	NT	<0.002	NT
Trichlorofluoromethane	1,000	500		NT	NT	<0.006	NT	<0.006	NT
1,2,3-Trichloropropane	~	~		NT	NT	<0.002	NT	<0.002	NT
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~		NT	NT	<0.006	NT	<0.006	NT
1,2,4-Trimethylbenzene	1,000	500		NT	NT	<0.002	NT	<0.002	NT
1,3,5-Trimethylbenzene	1,000	500		NT	NT	<0.002	NT	<0.002	NT
Vinyl Chloride	3.0	0.32		NT	NT	<0.006	NT	<0.006	NT
m + p Xylene	1,000	500		NT	NT	<0.003	NT	<0.003	NT
o-Xylene	1,000	500		NT	NT	<0.002	NT	<0.002	NT
Cyanide (mg/kg)									
Cyanide	41000	1400	~	51.0	NT	NT	NT	NT	32
SPLP-cyanide (mg/l)									
Cyanide	~	~		NT	NT	NT	NT	NT	NT
SPLP-mercury (mg/l leachate)									
Mercury	~	~		NT	NT	<0.00010	NT	NT	NT
chromium 6 dry weight (mg/kg dry wt)									
Chromium (+6)	100	100		NT	<1.81	NT	NT	NT	NT
ETPH dry weight (mg/kg dry weight)									
Extractable TPH (ETPH)	2,500	500	2,500	NT	NT	430	580	300	NT
Metals (15pp) sicp (mg/kg dry wt)									
Antimony	8,200	27.0	NA	<4.38	<4.61	<4.54	<4.66	<4.23	NT
Arsenic	10.0	10.0	NA	8.07	**12.4**	8.32	8.53	**14.5**	NT
Barium	140,000	4,700	NA	59.3	47.4	338.0	158	66.6	NT
Beryllium	2.00	2.00	NA	<0.28	<0.29	<0.29	<0.30	<0.27	NT
Cadmium	1,000	34.0	NA	27.1	15.5	2.99	2.39	1.00	NT
Chromium	100	100	NA	82.7	99.8	33.9	28	19.8	NT
Copper	76,000	2,500	NA	152	531	293 J	298	17	NT
Lead	1,000	400	NA	163	28.6	1,360	710	38.8	NT
Mercury	610	20.0	NA	0.059	<0.015	0.346	0.462	0.026	NT
Nickel	7,500	1,400	NA	100	399	49.0	34.4	17.2	NT
Selenium	10,000	340	NA	<5.38	<5.77	<5.67	<5.82	<5.28	NT
Silver	10,000	340	NA	3.91 J	4.12 J	5.08 J	4.62 J	4.35 J	NT
Thallium	160	5.40	NA	<3.29 UJ	<3.46 UJ	<3.40 UJ	<3.49 UJ	<3.17 UJ	NT
Vanadium	14,000	470	NA	20.3	25.5	44.1	34	36	NT
Zinc	610,000	20,000	NA	330	91.6	485 J	540	61	NT
SPLP - 14 ga rcp (ug/l)									
Antimony	~	~	60	NT	NT	<5.00	NT	NT	NT
Arsenic	~	~	500	NT	NT	NT	NT	NT	NT
Barium	~	~	10,000	NT	NT	<250	NT	NT	NT
Beryllium	~	~	40	NT	NT	NT	NT	NT	NT
Cadmium	~	~	50	NT	NT	<2.50	NT	NT	NT
Chromium	~	~	500	NT	NT	<50.0	NT	NT	NT
Copper	~	~	13,000	NT	NT	957	NT	NT	NT
Lead	~	~	150	NT	NT	110	NT	NT	NT
Nickel	~	~	1,000	NT	NT	<25.0	NT	NT	NT
Selenium	~	~	500	NT	NT	NT	NT	NT	NT
Silver	~	~	360	NT	NT	NT	NT	NT	NT
Thallium	~	~	50	NT	NT	<1.00	NT	NT	NT
Vanadium	~	~	500	NT	NT	<25.0	NT	NT	NT
Zinc	~	~	50,000	NT	NT	NT	NT	NT	NT

Table 2.
Summary of Phase II ESA Soil Sample Analytical Results
Progressive Plating Technologies
80 Hastings Street
Bridgeport, CT
Metcalf Eddy / AECOM

Parameter	CT RSR Criteria			Sample Locations					
	I/C DEC	RES DEC	GB PMC	COMP-1 (SB-4, SB-5, & SB-9)	COMP-2 (SB-6, SB-7, & SB-8)	SB-1	SB-1d	SB-2	SB-3
Sampling Date				9/8/08	9/8/08	9/8/08	9/8/08	9/8/08	9/8/08
Sample Depth (feet)				0-2 (composite)	0-2 (composite)	1-3	1-3 (duplicate)	1-2	0-1
Laboratory Report Number				LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947
PAHs - sludge (mg/kg dry wt) by 8270									
Acenaphthene	2,500	1,000	84	<0.180	<0.192	NT	NT	NT	NT
Acenaphthylene	2,500	1,000	84	<0.180	<0.192	NT	NT	NT	NT
Anthracene	2,500	1,000	400	<0.180	<0.192	NT	NT	NT	NT
Benzo(a)anthracene	7.80	1	1	0.396	<0.192	NT	NT	NT	NT
Benzo(a)pyrene	1	1	1	0.374	<0.192	NT	NT	NT	NT
Benzo(b)fluoranthene	7.80	1	1	0.429	<0.192	NT	NT	NT	NT
Benzo(g,h,i)perylene	2,500	1,000	42	0.235	<0.192	NT	NT	NT	NT
Benzo(k)fluoranthene	78.0	8.40	1	0.184	<0.192	NT	NT	NT	NT
Chrysene	780	84.0	1	0.496	<0.192	NT	NT	NT	NT
Dibenz(a,h)anthracene	1	1	1	<0.180	<0.192	NT	NT	NT	NT
Fluoranthene	2,500	1,000	56	0.570	<0.192	NT	NT	NT	NT
Fluorene	2,500	1,000	56	<0.180	<0.192	NT	NT	NT	NT
Indeno(1,2,3-cd)pyrene	7.80	1	1	0.225	<0.192	NT	NT	NT	NT
2-Methylnaphthalene	2,500	474	9.8	<0.180	<0.192	NT	NT	NT	NT
Naphthalene	2,500	1,000	56	<0.180	<0.192	NT	NT	NT	NT
Phenanthrene	2,500	1,000	40	0.464	<0.192	NT	NT	NT	NT
Pyrene	2,500	1,000	40	0.65	<0.192	NT	NT	NT	NT
SPLP - PAHs (ug/l)			(GA GWPC X 10)						
Acenaphthene	~	~	4200	<0.30 UJ	NT	NT	NT	NT	NT
Acenaphthylene			4200	<0.30 UJ	NT	NT	NT	NT	NT
Anthracene	~	~	20,000	<0.20 UJ	NT	NT	NT	NT	NT
Benzo(a)anthracene	~	~	0.6	0.080 UJ	NT	NT	NT	NT	NT
Benzo(a)pyrene	~	~	2.0	<0.10 UJ	NT	NT	NT	NT	NT
Benzo(b)fluoranthene	~	~	0.8	<0.050 UJ	NT	NT	NT	NT	NT
Benzo(g,h,i)perylene	~	~	2,100	<0.50 UJ	NT	NT	NT	NT	NT
Benzo(k)fluoranthene	~	~	5.0	<0.20 UJ	NT	NT	NT	NT	NT
Chrysene	~	~	48	<0.20 UJ	NT	NT	NT	NT	NT
Dibenz(a,h)anthracene	~	~	5.0	<0.50 UJ	NT	NT	NT	NT	NT
Fluoranthene	~	~	2,800	<0.50 UJ	NT	NT	NT	NT	NT
Fluorene	~	~	2,800	<1.00 UJ	NT	NT	NT	NT	NT
Indeno(1,2,3-cd)pyrene	~	~	5.0	<0.50 UJ	NT	NT	NT	NT	NT
Naphthalene	~	~	490	<1.00 UJ	NT	NT	NT	NT	NT
Phenanthrene	~	~	2,800	<1.00 UJ	NT	NT	NT	NT	NT
Phenanthrene	~	~	2,000	1.07 UJ	NT	NT	NT	NT	NT
Pyrene	~	~	2,000	<1.00 UJ	NT	NT	NT	NT	NT
Percent Solids (percent) (%)									
Solids, total	~	~	~	91.4	86.8	88.3	86.0	94.7	NT

Notes:
1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.
2. NT = Not tested.
3. NE = Not applicable
4. ~ = No Standard available
5. For soil samples shaded values exceed the Remediation Standard Regulations RSR Residential Direct Exposure Criteria (RES DEC) for the parameter.
6. Soil sample values in bold-face exceed the Remediation Standard Regulations RSR Industrial/Commercial Direct Exposure Criteria (I/C DEC) for the parameter.
7. Soil sample values in celss with bold borders exceed the RSR Pollution Mobility Criteria (PMC) for the parameter.
8. RSR criteria are in same units as analyte.
9. Detections and select non detections are shown on this table. For complete results see laboratory reports.
10. Equipment blank and trip blank samples not compared to RSR criteria.

U = the compound was analyzed for, but was not detected at the associated value due to blank contamination or variance from other quality control limits.
J = the associated value is an estimated quantity. The reported result is qualitatively accurate but quantitatively imprecise.
UJ = the compound was analyzed for, but was not detected, and the associated value is an estimated value due to the variance from quality control limits.

Table 2.
Summary of Phase II ESA Soil Sample Analytical Results
Progressive Plating Technologies
80 Hastings Street
Bridgeport, CT
Metcalf Eddy / AECOM

Parameter	CT RSR Criteria			Sample Locations									
	I/C DEC	RES DEC	GB PMC	SB-5b	SB-6b	SB-6d	SB-9b	SB-16	TB	EB			
Sampling Date				9/8/08	9/8/08	9/8/08	9/8/08	9/8/08	9/8/08	9/9/2008 & 9/11/08			
Sample Depth (feet)				2-4	2-4	6-8	2-4	6-8 (duplicate of SB-6d)	Trip Blank	Equipment Blank			
Laboratory Report Number				LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19551			
VOCs 8260 solid (mg/kg)										***8260 water (ug/l)***			
Acetone	1,000	500		NT	NT	<0.057 UJ	NT	<0.057 UJ	<0.10 UJ	Acetone	<5.0		
Acrylonitrile	11	1.1		NT	NT	<0.006	NT	<0.006	<0.010	Acrylonitrile	<2.0*		
tert-Amylmethyl Ether	~	~		NT	NT	<0.001	NT	<0.001	<0.001	tert-Amylmethyl Ether	<0.5		
Benzene	200	21		NT	NT	<0.002	NT	<0.002	<0.002	Benzene	<0.5		
Bromobenzene	~	~		NT	NT	<0.002	NT	<0.002	<0.002	Bromobenzene	<0.5		
Bromochloromethane	~	~		NT	NT	<0.002	NT	<0.002	<0.002	Bromochloromethane	<0.5		
Bromodichloromethane	92	9.9		NT	NT	<0.002	NT	<0.002	<0.002	Bromodichloromethane	<0.5		
Bromoform	720	78		NT	NT	<0.002	NT	<0.002	<0.002	Bromoform	<0.5	UJ	
Bromomethane	1,000	95		NT	NT	<0.006	NT	<0.006	<0.010	Bromomethane	<0.5		
2-Butanone (MEK)	1,000	500		NT	NT	<0.023 UJ	NT	<0.023 UJ	<0.040 UJ	2-Butanone (MEK)	<2.0		
tert-Butyl Alcohol	~	~		NT	NT	<0.023 UJ	NT	<0.023 UJ	<0.040 UJ	tert-Butyl Alcohol	<5.0	UJ	
n-Butylbenzene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	n-Butylbenzene	<0.5		
sec-Butylbenzene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	sec-Butylbenzene	<0.5		
tert-Butylbenzene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	tert-Butylbenzene	<0.5		
tert-Butylethyl Ether	~	~		NT	NT	<0.001	NT	<0.001	<0.001	tert-Butylethyl Ether	<0.5		
Carbon Disulfide	1,000	500		NT	NT	<0.006	NT	<0.006	<0.006	Carbon Disulfide	<0.5		
Carbon Tetrachloride	44	4.7		NT	NT	<0.002	NT	<0.002	<0.002	Carbon Tetrachloride	<0.5*		
Chlorobenzene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	Chlorobenzene	<0.5		
Chlorodibromomethane	68	7.3		NT	NT	<0.001	NT	<0.001	<0.001	Chlorodibromomethane	<0.5*		
Chloroethane	~	~		NT	NT	<0.012	NT	<0.012	<0.020	Chloroethane	<0.5		
Chloroform	940	100		NT	NT	<0.003	NT	<0.003	<0.004	Chloroform	<0.5		
Chloromethane	440	47		NT	NT	<0.006	NT	<0.006	<0.010	Chloromethane	<0.5		
2-Chlorotoluene	~	~		NT	NT	<0.002	NT	<0.002	<0.002	2-Chlorotoluene	<0.5		
4-Chlorotoluene	~	~		NT	NT	<0.002	NT	<0.002	<0.002	4-Chlorotoluene	<0.5		
1,2-Dibromo-3-Chloropropane	4.1	0.44		NT	NT	<0.002	NT	<0.002	<0.002	1,2-Dibromo-3-Chloropropane	<0.5		
1,2-Dibromoethane	0.067	0.007		NT	NT	<0.001	NT	<0.001	<0.001	1,2-Dibromoethane	<0.50*		
Dibromomethane	~	~		NT	NT	<0.002	NT	<0.002	<0.002	Dibromomethane	<0.5		
1,2-Dichlorobenzene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	1,2-Dichlorobenzene	<0.5		
1,3-Dichlorobenzene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	1,3-Dichlorobenzene	<0.5		
1,4-Dichlorobenzene	240	26		NT	NT	<0.002	NT	<0.002	<0.002	1,4-Dichlorobenzene	<0.5		
trans-1,4-Dichloro-2-Butene	~	~		NT	NT	<0.003	NT	<0.003	<0.004	trans-1,4-Dichloro-2-Butene	<0.5	UJ	
Dichlorodifluoromethane	~	~		NT	NT	<0.012	NT	<0.012	<0.020	Dichlorodifluoromethane	<0.5		
1,1-Dichloroethane	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	1,1-Dichloroethane	<0.5		
1,2-Dichloroethane	63	6.7		NT	NT	<0.002	NT	<0.002	<0.002	1,2-Dichloroethane	<0.5*		
1,1-Dichloroethylene	9.5	1.0		NT	NT	<0.003	NT	<0.003	<0.004	1,1-Dichloroethylene	<0.5*		
cis-1,2-Dichloroethylene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	cis-1,2-Dichloroethylene	<0.5		
trans-1,2-Dichloroethylene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	trans-1,2-Dichloroethylene	<0.5		
1,2-Dichloropropane	84	9.0		NT	NT	<0.002	NT	<0.002	<0.002	1,2-Dichloropropane	<0.5		
1,3-Dichloropropane	~	~		NT	NT	<0.001	NT	<0.001	<0.001	1,3-Dichloropropane	<0.5		
2,2-Dichloropropane	~	~		NT	NT	<0.002	NT	<0.002	<0.002	2,2-Dichloropropane	<0.5		
1,1-Dichloropropene	~	~		NT	NT	<0.002	NT	<0.002	<0.002	1,1-Dichloropropene	<0.5		
cis-1,3-Dichloropropene	32	3.4		NT	NT	<0.001	NT	<0.001	<0.001	cis-1,3-Dichloropropene	<0.5		
trans-1,3-Dichloropropene	32	3.4		NT	NT	<0.001	NT	<0.001	<0.001	trans-1,3-Dichloropropene	<0.5		
Diethyl Ether	~	~		NT	NT	<0.012	NT	<0.012	<0.020	Diethyl Ether	<0.5		
Diisopropyl Ether	~	~		NT	NT	<0.001	NT	<0.001	<0.020	Diisopropyl Ether	<0.5		
1,4-Dioxane	~	~		NT	NT	<0.057 UJ	NT	<0.057 UJ	<0.10 UJ	1,4-Dioxane	<50.0	UJ	
Ethyl Benzene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	Ethyl Benzene	<0.5		
Hexachlorobutadiene	~	~		NT	NT	<0.002	NT	<0.002	<0.002	Hexachlorobutadiene	<0.4		
2-Hexanone	~	~		NT	NT	<0.012	NT	<0.012	<0.020	2-Hexanone	<10.0		
Isopropylbenzene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	Isopropylbenzene	<0.5		
p-Isopropyltoluene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	p-Isopropyltoluene	<0.5		
MTBE	1,000	500		NT	NT	<0.003	NT	<0.003	<0.004	MTBE	<0.5		
Methylene Chloride	760	82		NT	NT	<0.012	NT	<0.012	<0.020	Methylene Chloride	<0.5		
MIBK	1,000	500		NT	NT	<0.012	NT	<0.012	<0.020	MIBK	<2.0		
Naphthalene	2,500	1,000		NT	NT	<0.006 UJ	NT	<0.006 UJ	<0.004 UJ	Naphthalene	<0.5		
n-Propylbenzene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	n-Propylbenzene	<0.5		
Styrene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	Styrene	<0.5		
1,1,1,2-Tetrachloroethane	220	24		NT	NT	<0.002	NT	<0.002	<0.002	1,1,1,2-Tetrachloroethane	<0.5		
1,1,2,2-Tetrachloroethane	29	3.1		NT	NT	<0.001	NT	<0.001	<0.001	1,1,2,2-Tetrachloroethane	<0.5*		
Tetrachloroethylene	110	12		NT	NT	<0.002	NT	<0.002	<0.002	Tetrachloroethylene	<0.5		

Table 2.
Summary of Phase II ESA Soil Sample Analytical Results
Progressive Plating Technologies
80 Hastings Street
Bridgeport, CT
Metcalf Eddy / AECOM

Parameter	CT RSR Criteria			Sample Locations							
	I/C DEC	RES DEC	GB PMC	SB-5b	SB-6b	SB-6d	SB-9b	SB-16	TB	EB	
Sampling Date				9/8/08	9/8/08	9/8/08	9/8/08	9/8/08	9/8/08	9/9/2008 & 9/11/08	
Sample Depth (feet)				2-4	2-4	6-8	2-4	6-8 (duplicate of SB-6d)	Trip Blank	Equipment Blank	
Laboratory Report Number				LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19551	
Tetrahydrofuran	~	~		NT	NT	<0.006 UJ	NT	<0.006 UJ	<0.010 UJ	Tetrahydrofuran	<5.0
Toluene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	Toluene	<0.5
1,2,3-Trichlorobenzene	~	~		NT	NT	<0.003	NT	<0.003	<0.002	1,2,3-Trichlorobenzene	<0.5
1,2,4-Trichlorobenzene	2,500	680		NT	NT	<0.003	NT	<0.003	<0.010	1,2,4-Trichlorobenzene	<0.5
1,1,1-Trichloroethane	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	1,1,1-Trichloroethane	<0.5
1,1,2-Trichloroethane	100	11		NT	NT	<0.002	NT	<0.002	<0.002	1,1,2-Trichloroethane	<0.5
Trichloroethylene	520	56		NT	NT	<0.002	NT	<0.002	<0.002	Trichloroethylene	<0.5
Trichlorofluoromethane	1,000	500		NT	NT	<0.006	NT	<0.006	<0.010	Trichlorofluoromethane	<0.5
1,2,3-Trichloropropane	~	~		NT	NT	<0.002	NT	<0.002	<0.002	1,2,3-Trichloropropane	<0.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~		NT	NT	<0.006	NT	<0.006	<0.010	1,1,2-Trichloro-1,2,2-Trifluoroethar	<0.5
1,2,4-Trimethylbenzene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	1,2,4-Trimethylbenzene	<0.5
1,3,5-Trimethylbenzene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	1,3,5-Trimethylbenzene	<0.5
Vinyl Chloride	3.0	0.32		NT	NT	<0.006	NT	<0.006	<0.010	Vinyl Chloride	<0.5
m + p Xylene	1,000	500		NT	NT	<0.003	NT	<0.003	<0.004	m + p Xylene	<1.0
o-Xylene	1,000	500		NT	NT	<0.002	NT	<0.002	<0.002	o-Xylene	<0.5
Cyanide (mg/kg)										***cyanide-total (mg/l)***	
Cyanide	41000	1400	~	190	3.9	NT	35	NT	NT	Cyanide	<0.010*
SPLP-cyanide (mg/l)										***SPLP cyanide***	
Cyanide	~	~		0.283	NT	NT	NT	NT	NT		NT
SPLP-mercury (mg/l leachate)										***SPLP-mercury***	
Mercury	~	~		NT	NT	NT	NT	NT	NT		NT
chromium 6 dry weight (mg/kg dry wt)										***chromium 6***	
Chromium (+6)	100	100		<1.82	<1.80 UJ	NT	NT	NT	NT		NT
ETPH dry weight (mg/kg dry weight)										***etph water (mg/l)***	
Extractable TPH (ETPH)	2,500	500	2,500	NT	NT	23	NT	NT	NT	Extractable TPH (ETPH)	<0.075
Metals (15pp) sicp (mg/kg dry wt)										***6020 h2o 14rcp (ug/L)***	
Antimony	8,200	27.0	NA	8.10	<4.58	NT	<4.39	NT	NT	Antimony	<5.00
Arsenic	10.0	10.0	NA	**15.8**	**11.0**	NT	8.29	NT	NT	Arsenic	<2.00
Barium	140,000	4,700	NA	83.5	57.9	NT	67.2	NT	NT	Barium	<250
Beryllium	2.00	2.00	NA	<0.29	<0.29	NT	<0.28	NT	NT	Beryllium	<2.00
Cadmium	1,000	34.0	NA	986	47.9	NT	5.70	NT	NT	Cadmium	<2.50
Chromium	100	100	NA	1,020	123	NT	29.2	NT	NT	Chromium	<50.0
Copper	76,000	2,500	NA	304	470	NT	41.0	NT	NT	Copper	<25.0
Lead	1,000	400	NA	79.9	10.4	NT	67.2	NT	NT	Lead	5.62
Mercury	610	20.0	NA	0.029	0.020	NT	0.077	NT	NT	Mercury	<0.00010*
Nickel	7,500	1,400	NA	189	290	NT	56.3	NT	NT	Nickel	<25.0
Selenium	10,000	340	NA	<5.80	<5.73	NT	<5.48	NT	NT	Selenium	<25.0
Silver	10,000	340	NA	4.77 J	7.49 J	NT	3.73 J	NT	NT	Silver	<2.50
Thallium	160	5.40	NA	<3.48 UJ	<3.44 UJ	NT	<3.29 UJ	NT	NT	Thallium	2.91
Vanadium	14,000	470	NA	27.6	50.4	NT	25.1	NT	NT	Vanadium	<25.0
Zinc	610,000	20,000	NA	1,870	537	NT	71.1	NT	NT	Zinc	<100
SPLP - 14 ga rcp (ug/l)										***SPLP 14 ga rcp***	NT
Antimony	~	~	60	<5.00	NT	NT	NT	NT	NT		
Arsenic	~	~	500	<2.00	<2.00	NT	NT	NT	NT		
Barium	~	~	10,000	NT	NT	NT	NT	NT	NT		
Beryllium	~	~	40	NT	NT	NT	NT	NT	NT		
Cadmium	~	~	50	592	7.97	NT	NT	NT	NT		
Chromium	~	~	500	190	<50.0	NT	NT	NT	NT		
Copper	~	~	13,000	115	<25.0	NT	NT	NT	NT		
Lead	~	~	150	9.42	9.66	NT	NT	NT	NT		
Nickel	~	~	1,000	51.2	<25.0	NT	NT	NT	NT		
Selenium	~	~	500	NT	NT	NT	NT	NT	NT		
Silver	~	~	360	NT	<2.50	NT	NT	NT	NT		
Thallium	~	~	50	1.68	NT	NT	NT	NT	NT		
Vanadium	~	~	500	<25.0	<25.0	NT	NT	NT	NT		
Zinc	~	~	50,000	370	NT	NT	NT	NT	NT		

Table 2.
Summary of Phase II ESA Soil Sample Analytical Results
Progressive Plating Technologies
80 Hastings Street
Bridgeport, CT
Metcalf Eddy / AECOM

Parameter	CT RSR Criteria			Sample Locations								
	I/C DEC	RES DEC	GB PMC	SB-5b	SB-6b	SB-6d	SB-9b	SB-16	TB	EB		
Sampling Date				9/8/08	9/8/08	9/8/08	9/8/08	9/8/08	9/8/08	9/9/2008 & 9/11/08		
Sample Depth (feet)				2-4	2-4	6-8	2-4	6-8 (duplicate of SB-6d)	Trip Blank	Equipment Blank		
Laboratory Report Number				LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19551		
PAHs - sludge (mg/kg dry wt) by 8270										***pah - lo h2o all (ug/l)***		
Acenaphthene	2,500	1,000	84	NT	NT	NT	NT	NT	NT	Acenaphthene	<0.30	UJ
Acenaphthylene	2,500	1,000	84	NT	NT	NT	NT	NT	NT	Acenaphthylene	<0.30	UJ
Anthracene	2,500	1,000	400	NT	NT	NT	NT	NT	NT	Anthracene	<0.20	
Benzo(a)anthracene	7.80	1	1	NT	NT	NT	NT	NT	NT	Benzo(a)anthracene	<0.050*	
Benzo(a)pyrene	1	1	1	NT	NT	NT	NT	NT	NT	Benzo(a)pyrene	<0.100*	
Benzo(b)fluoranthene	7.80	1	1	NT	NT	NT	NT	NT	NT	Benzo(b)fluoranthene	<0.050*	
Benzo(g,h,i)perylene	2,500	1,000	42	NT	NT	NT	NT	NT	NT	Benzo(g,h,i)perylene	<0.500*	
Benzo(k)fluoranthene	78.0	8.40	1	NT	NT	NT	NT	NT	NT	Benzo(k)fluoranthene	<0.200*	
Chrysene	780	84.0	1	NT	NT	NT	NT	NT	NT	Chrysene	<0.20	
Dibenz(a,h)anthracene	1	1	1	NT	NT	NT	NT	NT	NT	Dibenz(a,h)anthracene	<0.500*	
Fluoranthene	2,500	1,000	56	NT	NT	NT	NT	NT	NT	Fluoranthene	<0.50	
Fluorene	2,500	1,000	56	NT	NT	NT	NT	NT	NT	Fluorene	<1.00	
Indeno(1,2,3-cd)pyrene	7.80	1	1	NT	NT	NT	NT	NT	NT	Indeno(1,2,3-cd)pyrene	<0.500*	
2-Methylnaphthalene	2,500	474	9.8	NT	NT	NT	NT	NT	NT	2-Methylnaphthalene	<1.00	UJ
Naphthalene	2,500	1,000	56	NT	NT	NT	NT	NT	NT	Naphthalene	<1.00	UJ
Phenanthrene	2,500	1,000	40	NT	NT	NT	NT	NT	NT	Phenanthrene	<0.05	
Pyrene	2,500	1,000	40	NT	NT	NT	NT	NT	NT	Pyrene	<1.00	
SPLP - PAHs (ug/l)			(GA GWPC X 10)							***SPLP - PAHs***	NT	
Acenaphthene	~	~	4200	NT	NT	NT	NT	NT	NT			
Acenaphthylene			4200	NT	NT	NT	NT	NT	NT			
Anthracene	~	~	20,000	NT	NT	NT	NT	NT	NT			
Benzo(a)anthracene	~	~	0.6	NT	NT	NT	NT	NT	NT			
Benzo(a)pyrene	~	~	2.0	NT	NT	NT	NT	NT	NT			
Benzo(b)fluoranthene	~	~	0.8	NT	NT	NT	NT	NT	NT			
Benzo(g,h,i)perylene	~	~	2,100	NT	NT	NT	NT	NT	NT			
Benzo(k)fluoranthene	~	~	5.0	NT	NT	NT	NT	NT	NT			
Chrysene	~	~	48	NT	NT	NT	NT	NT	NT			
Dibenz(a,h)anthracene	~	~	5.0	NT	NT	NT	NT	NT	NT			
Fluoranthene	~	~	2,800	NT	NT	NT	NT	NT	NT			
Fluorene	~	~	2,800	NT	NT	NT	NT	NT	NT			
Indeno(1,2,3-cd)pyrene	~	~	5.0	NT	NT	NT	NT	NT	NT			
Naphthalene	~	~	490	NT	NT	NT	NT	NT	NT			
Phenanthrene	~	~	2,800	NT	NT	NT	NT	NT	NT			
Phenanthrene	~	~	2,000	NT	NT	NT	NT	NT	NT			
Pyrene	~	~	2,000	NT	NT	NT	NT	NT	NT			
Percent Solids (percent) (%)												
Solids, total	~	~	~	86.3	87.4	86.4	91.3	86.4	NT			

Notes:
1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.
2. NT = Not tested.
3. NE = Not applicable
4. ~ = No Standard available
5. For soil samples shaded values exceed the Remediation Standard Regulations RSR Residential Direct Exposure Criteria (RES DEC) for the parameter.
6. Soil sample values in bold-face exceed the Remediation Standard Regulations RSR Industrial/Commercial Direct Exposure Criteria (I/C DEC) for the parameter.
7. Soil sample values in celss with bold borders exceed the RSR Pollution Mobility Criteria (PMC) for the parameter.
8. RSR criteria are in same units as analyte.
9. Detections and select non detections are shown on this table. For complete results see laboratory reports.
10. Equipment blank and trip blank samples not compared to RSR criteria.

U = the compound was analyzed for, but was not detected at the associated value due to blank contamination or variance from other quality control limits.
J = the associated value is an estimated quantity. The reported result is qualitatively accurate but quantitatively imprecise.
UJ = the compound was analyzed for, but was not detected, and the associated value is an estimated value due to the variance from quality control limits.

Table 3.
Summary of Phase II ESA Concrete Sample Analytical Results
Progressive Plating Technologies
80 Hastings Street
Bridgeport, CT
Metcalf Eddy, Inc. / AECOM

Parameter	CT RSR Criteria			HAZARDOUS DISPOSAL CRITERIA	Sample Locations		
	I/C DEC	RES DEC	GB PMC		CC-1	CC-2	CC-3
Sampling Date					9/8/08	9/8/08	9/8/08
Sample Depth (feet)					0-0.5	0-0.5	0-0.5
Laboratory Report Number					LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947	LIMT-19446 & LIMT-19947
chromium 6 dry weight (mg/kg dry wt)							
Chromium (+6)	100	100	~	~	0.68	<0.17	**879**
Metals (13pp) sicp (mg/kg dry wt)							
Antimony	8,200	27.0	~	~	<4.14	<4.11	20.9
Arsenic	10.0	10.0	~	~	**15.80**	**17.5**	**57.1**
Beryllium	2.00	2.00	~	~	<0.26	<0.26	<0.26
Cadmium	1,000	34.0	~	~	37	203	387
Chromium (trivalent)	51,000	3,900	~	~	282	513	6,400
Chromium (total)	NE	NE	~	~	282	513	6,400
Copper	76,000	2,500	~	~	311	4,140	1,590
Lead	1,000	400	~	~	37.3	90.2	947
Mercury	610	20.0	~	~	0.029	0.091	0.357
Nickel	7,500	1,400	~	~	2,220	**36,900**	**10,400**
Thallium	160	5.40	~	~	<2.77	<2.97	<2.64
Selenium	10,000	340	~	~	<5.17	<5.13	<5.09
Silver	10,000	340	~	~	5.13	8.02	24.0
Thallium	160	5.40	~	~	<3.10	<3.08	<3.50
Zinc	610,000	20,000	~	~	759	4,320	4,590
TCLP - metals (mg/l leachate)							
Arsenic	~	~	0.5	5	0.051	0.054	0.144
Barium	~	~	10	100	<0.10	<0.10	0.110
Cadmium	~	~	0.05	1	<0.005	<0.005	1.43
Chromium	~	~	0.5	5	0.410	0.470	19.60
Lead	~	~	0.15	5	0.074	0.073	0.088
Mercury	~	~	0.02	0.2	<0.00010	<0.00010	0.00094
Selenium	~	~	0.5	1	<0.05	<0.05	<0.05
Silver	~	~	0.36	5	<0.005	<0.005	0.081
Percent Solids (percent) (%)							
Solids, total	~	~	~	~	96.8	97.5	98.4

Notes:

1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.
2. NT = Not tested.
3. NE = Not established
4. ~ = No Standard available
5. For concrete samples shaded values exceed the Remediation Standard Regulations RSR Residential Direct Exposure Criteria (RES DEC) for the parameter.
6. Sample values in bold-face exceed the Remediation Standard Regulations RSR Industrial/Commercial Direct Exposure Criteria (I/C DEC) for the parameter
7. Sample values inside bold-bordered cells exceed hazardous disposal criteria.
8. RSR criteria are in same units as analyte.
9. I/C = Industrial/ Commercial
10. RES = Residential
11. GB PMC = GB Pollutant Mobility Criteria (shown for reference only)
11. Detections and select non detections are shown on this table. For complete results see laboratory reports.

U = the compound was analyzed for, but was not detected at the associated value due to blank contamination or variance from other quality control limits.

J = the associated value is an estimated quantity. The reported result is qualitatively accurate but quantitatively imprecise.
UJ = the compound was analyzed for, but was not detected, and the associated value is an estimated value due to the variance from quality control limits.

Table 4.
Summary of Phase II ESA Groundwater Analytical Results
Progressive Plating Technologies
80 Hastings Street
Bridgeport, CT
Metcalf Eddy, Inc./AECOM

	CT RSR Criteria				SAMPLING LOCATION		
Parameter	**GA GWPC**	**I/C VC**	**RES VC**	**SWPC**	**MW**	**MW DUP**	**TRIP BLANK**
Sampling Date					9/23/08	9/23/08	9/23/08
Sample Depth					NA	NA	NA
Laboratory Report Number					LIMT-19963	LIMT-19963	LIMT-19963
6020 h2o 14rcp (ug/L)							
Antimony	~	~	~	~	20.9	17.0	NT
Arsenic	~	~	~	~	4.32	3.80	NT
Barium	~	~	~	~	<250	<250	NT
Beryllium	~	~	~	~	<2.00	<2.00	NT
Cadmium	~	~	~	~	1,000	931	NT
Chromium	~	~	~	~	424	381	NT
Copper	~	~	~	~	1,040	862	NT
Lead	~	~	~	~	254	179	NT
Nickel	~	~	~	~	584	514	NT
Selenium	~	~	~	~	<25.0	<25.0	NT
Silver	~	~	~	~	2.99 J	2.52 J	NT
Thallium	~	~	~	~	1.18	<1.00	NT
Vanadium	~	~	~	~	<25.0	<25.0	NT
Zinc	~	~	~	~	1420 J	1210 J	NT
8260 water (ug/l)							
Acetone	700	50,000	50,000	~	<50.0	<50.0	<5.0
Acrylonitrile	0.5	~	~	20.0	<20.0*	<20.0*	<2.0*
tert-Amylmethyl Ether	~	~	~	~	<5.0	<5.0	<0.5
Benzene	1.0	530	130	710	<5.0*	<5.0*	<0.5
Bromobenzene	~	~	~	~	<5.0	<5.0	<0.5
Bromochloromethane	~	~	~	~	<5.0	<5.0	<0.5
Bromodichloromethane	0.6	73.0	2.3	~	<5.0*	<5.0*	<0.5
Bromoform	4.0	2,300	75.0	10,800	<10.0*	<10.0*	<1.0
Bromomethane	9.8	~	~	~	<20.0*	<20.0*	<2.0
2-Butanone (MEK)	400	50,000	50,000	~	<20.0	<20.0	<2.0
tert-Butyl Alcohol	~	~	~	~	<50.0	<50.0	<5.0
n-Butylbenzene	61.0	21,000	1,500	~	<5.0	<5.0	<0.5
sec-Butylbenzene	61.0	20,000	1,500	~	<5.0	<5.0	<0.5
tert-Butylbenzene	61.0	~	~	~	<5.0	<5.0	<0.5
tert-Butylethyl Ether	~	~	~	~	<5.0	<5.0	<0.5
Carbon Disulfide	700	~	~	~	<5.0	<5.0	<0.5
Carbon Tetrachloride	5.0	14.0	5.3	132	<5.0*	<5.0*	<0.5*
Chlorobenzene	100	23,000	1,800	420,000	<5.0	<5.0	<0.5
Chlorodibromomethane	0.5	~	~	1,020	<5.0*	<5.0*	<0.5*
Chloroethane	~	29,000	12,000	~	<10.0	<10.0	<1.0
Chloroform	6.0	62.0	26.0	14,100	<5.0	<5.0	<0.5
Chloromethane	2.7	5,500	390	~	<5.0*	<5.0*	<0.5
2-Chlorotoluene	~	~	~	~	<5.0	<5.0	<0.5
4-Chlorotoluene	~	~	~	~	<5.0	<5.0	<0.5
1,2-Dibromo-3-Chloropropane	~	~	~	~	<10.0	<10.0	<1.0
1,2-Dibromoethane	0.05	11.0	0.30	~	<5.00*	<5.00*	<0.50*
Dibromomethane	~	~	~	~	<5.0	<5.0	<0.5
1,2-Dichlorobenzene	600	50,000	5,100	170,000	<5.0	<5.0	<0.5
1,3-Dichlorobenzene	600	50,000	4,300	26,000	<5.0	<5.0	<0.5
1,4-Dichlorobenzene	75.0	3,400	1,400	26,000	<5.0	<5.0	<0.5
trans-1,4-Dichloro-2-Butene	~	~	~	~	<10.0	<10.0	<1.0
Dichlorodifluoromethane	~	1,200	91.0	~	<5.0	<5.0	<0.5
1,1-Dichloroethane	70.0	41,000	3,000	~	<5.0	<5.0	<0.5
1,2-Dichloroethane	1.0	68.0	6.5	2,970	<5.0*	<5.0*	<0.5*
1,1-Dichloroethylene	7.0	920	190	96.0	<5.0*	<5.0*	<0.5*
cis-1,2-Dichloroethylene	70.0	11,000	830	~	<5.0	<5.0	<0.5
trans-1,2-Dichloroethylene	100	13,000	1,000	~	<5.0	<5.0	<0.5

Table 4.
Summary of Phase II ESA Groundwater Analytical Results
Progressive Plating Technologies
80 Hastings Street
Bridgeport, CT
Metcalf Eddy, Inc./AECOM

	CT RSR Criteria				SAMPLING LOCATION		
Parameter	**GA GWPC**	**I/C VC**	**RES VC**	**SWPC**	**MW**	**MW DUP**	**TRIP BLANK**
1,2-Dichloropropane	5.0	58.0	7.4	~	<5.0*	<5.0*	<0.5
1,3-Dichloropropane	~	~	~	~	<5.0	<5.0	<0.5
2,2-Dichloropropane	~	~	~	~	<5.0	<5.0	<0.5
1,1-Dichloropropene	~	~	~	~	<5.0	<5.0	<0.5
cis-1,3-Dichloropropene	0.5	360	11.0	34,000	<10.0*	<10.0*	<1.0*
trans-1,3-Dichloropropene	0.5	360	11.0	34,000	<10.0*	<10.0*	<1.0*
Diethyl Ether	~	~	~	~	<5.0	<5.0	<0.5
Diisopropyl Ether	~	~	~	~	<5.0	<5.0	<0.5
1,4-Dioxane	~	~	~	~	<500 UJ	<500 UJ	<50.0 UJ
Ethyl Benzene	700	36,000	2,700	580,000	<5.0	<5.0	<0.5
Hexachlorobutadiene	~	~	~	~	<4.0	<4.0	<0.4
2-Hexanone	~	~	~	~	<20.0	<20.0	<2.0
Isopropylbenzene	30.0	6,800	2,800	~	<5.0	<5.0	<0.5
p-Isopropyltoluene	70.0	22,000	1,600	~	<5.0	<5.0	<0.5
MTBE	100	50,000	21,000	~	<5.0	<5.0	<0.5
Methylene Chloride	5.0	2,200	160	48,000	<5.0*	<5.0*	3.7
MIBK	350	50,000	13,000	~	<20.0	<20.0	<2.0
Naphthalene	280	~	~	~	<10.0	<10.0	<1.0
n-Propylbenzene	61.0	~	~	~	<5.0	<5.0	<0.5
Styrene	100	42,000	3,100	~	<10.0	<10.0	<1.0
1,1,1,2-Tetrachloroethane	1.0	64.0	2.0	~	<10.0*	<10.0*	<1.0
1,1,2,2-Tetrachloroethane	0.5	54.0	1.8	110	<5.0*	<5.0*	<0.5*
Tetrachloroethylene	5.0	810	340	88.0	<5.0*	<5.0*	<0.5
Tetrahydrofuran	~	~	~	~	<50.0	<50.0	<5.0
Toluene	1,000	41,000	7,100	4,000,000	<5.0	<5.0	<0.5
1,2,3-Trichlorobenzene	~	~	~	~	<5.0	<5.0	<0.5
1,2,4-Trichlorobenzene	70.0	~	~	~	<5.0	<5.0	<0.5
1,1,1-Trichloroethane	200	16,000	6,500	62,000	<5.0	<5.0	<0.5
1,1,2-Trichloroethane	5.0	2,900	220	1,260	<5.0*	<5.0*	<0.5
Trichloroethylene	5.0	67.0	27.0	2,340	<5.0*	<5.0*	<0.5
Trichlorofluoromethane	1,300	4,200	1,300	~	<5.0	<5.0	<0.5
1,2,3-Trichloropropane	~	~	~	~	<5.0	<5.0	<0.5
1,1,2-Trichloro-1,2,2-Trifluoroe	~	~	~	~	<5.0	<5.0	<0.5
1,2,4-Trimethylbenzene	350	4,800	360	~	<5.0	<5.0	<0.5
1,3,5-Trimethylbenzene	350	3,900	280	~	<5.0	<5.0	<0.5
Vinyl Chloride	2.0	52.0	1.6	15,800	<5.0*	<5.0*	<0.5
m + p Xylene	530	48,000	8,700	~	<10.0	<10.0	<1.0
o-Xylene	530	48,000	8,700	~	<5.0	<5.0	<0.5
cyanide-total (mg/l)							
Cyanide	0.200	~	~	0.052	<0.010*	0.600	NT
hg (mg/l) wet (mg/l)							
Mercury	0.00200	~	~	0.00040	0.00020	0.00019	NT

Notes:

1. An asterisk (*) following a detection limit indicates that the minumum laboratory reporting limit exceeds one or more of the regulatory criteria.
2. NT = Not tested.
3. ~ = No Standard available
4. GA GWPC = Groundwater Protection Criteria (shown for reference only)
5. I/C VC = industrial/commercial volatilization criteria, RES VC = residential volatilization criteria, SWPC = surface water protection criteria
6. For water samples shaded values exceed the RSR Surface Water (SWP), or Volatilization (RES Vol. or I/C Vol.) criteria for the
7. RSR criteria are in same units as analyte.

U = the compound was analyzed for, but was not detected at the associated value due to blank contamination or variance from other quality control limits.

J = the associated value is an estimated quantity. The reported result is qualitatively accurate but quantitatively imprecise.

UJ = the compound was analyzed for, but was not detected, and the associated value is an estimated value due to the variance from quality control limits.

TABLE 5. SUMMARY OF DATA VALIDATION QUALIFICATIONS
Phase II ESA REPORT
Former Progressive Plating Technologies
80 Hastings Street, Bridgeport, CT
Metcalf & Eddy / AECOM

Report #	Qualified Sample(s)	Matrix	Description	Qualification
19446	All	Soil	ICV and CCV did not meet method specifications. Acetone, tert-butylalcohol, 2-butanone, tetrahydrofuran, and 1,4-dioxane were calibrated with a relative response factor <0.05.	UJ (non-detects)
19446	All	Soil	Naphthalene in all samples is estimated and likely to be biased on the low side, based on continuing calibration bias.	UJ (non-detects)
19446	Equipment Blank	Water	ICV and CCV did not meet method specifications. Tert-butylalcohol and 1,4-dioxane were calibrated with a relative response factor <0.05. Samples biased on low side.	UJ (non-detects)
19446	All	Soil	The LFB recovery was outside of control limits for Ag. Any reported result for Ag is likely to be biased on the low side. The matrix spike recovery was outside of control limits for Ag. Possibility of sample matrix effects that lead to low bias cannot be eliminated and is likely.	J for detects
19446	All	Soil	The duplicate RPD for TI was outside of control limits. Reduced precision expected for result values near detection limit.	UJ (non-detects)
19551	Equipment Blank	Water	Naphthalene, acenaphthene, acenaphthylene, and 2-methylnaphthalene is likely to be biased on the low side based on laboratory fortified blank recovery bias.	UJ (non-detects)

Table lists all samples and their respective reports that required qualification. Abbreviated terms are defined below:
LFB = Laboratory Fortified Blank
CCV = continuing calibration verification; ICV = initial calibration verification
RPD = Relative Percent Difference
J = detected samples estimated
UJ = undetected samples estimated

TABLE 5. SUMMARY OF DATA VALIDATION QUALIFICATIONS
Phase II ESA REPORT
Former Progressive Plating Technologies
80 Hastings Street, Bridgeport, CT
Metcalf & Eddy / AECOM

Report #	Qualified Sample(s)	Matrix	Description	Qualification
19947	COMP-1	Soil	Recommended holding time for 8270 SPLP was exceeded.	J (detects); UJ (non-detects)
19947	SB-6b	Soil	In method SW846-7196 solid matrix, matrix spike, matrix spike duplicate, post digestion spike, and insoluble matrix recoveries were outside of control limits.	UJ (non-detects)
19947	SB-01	Soil	The reported result for Cu is estimated. Value is reported over the verified linear calibration range. The LFB recovery is outside control limits for Zn. Reported results for this element may be bias on the high side.	J (detects); UJ (non-detects)
19947	SB-01	Soil	The matrix spike recovery is outside control limits for Cu. Possibility of sample matrix effects that may lead to a low bias for reported result cannot be eliminated.	J (detects)
19963	All	Water	ICV and/or CCV did not meet method specifications. For all samples, 1,4-dioxane was calibrated with a relative response factor of <0.05.	UJ (non-detects)
19963	All	Water	The CCV recovery for Ag was outside control limits. Any reported results may be biased on the high side. The initial ICS AB recovery for Zn was outside control limits, but the final recovery was within the limits. Possibility of an interference that may lead to a high bias for reported results for this element cannot be eliminated. The LFB recovery for Zn was outside control limits. Any reported results for Zn may be	J (detects)

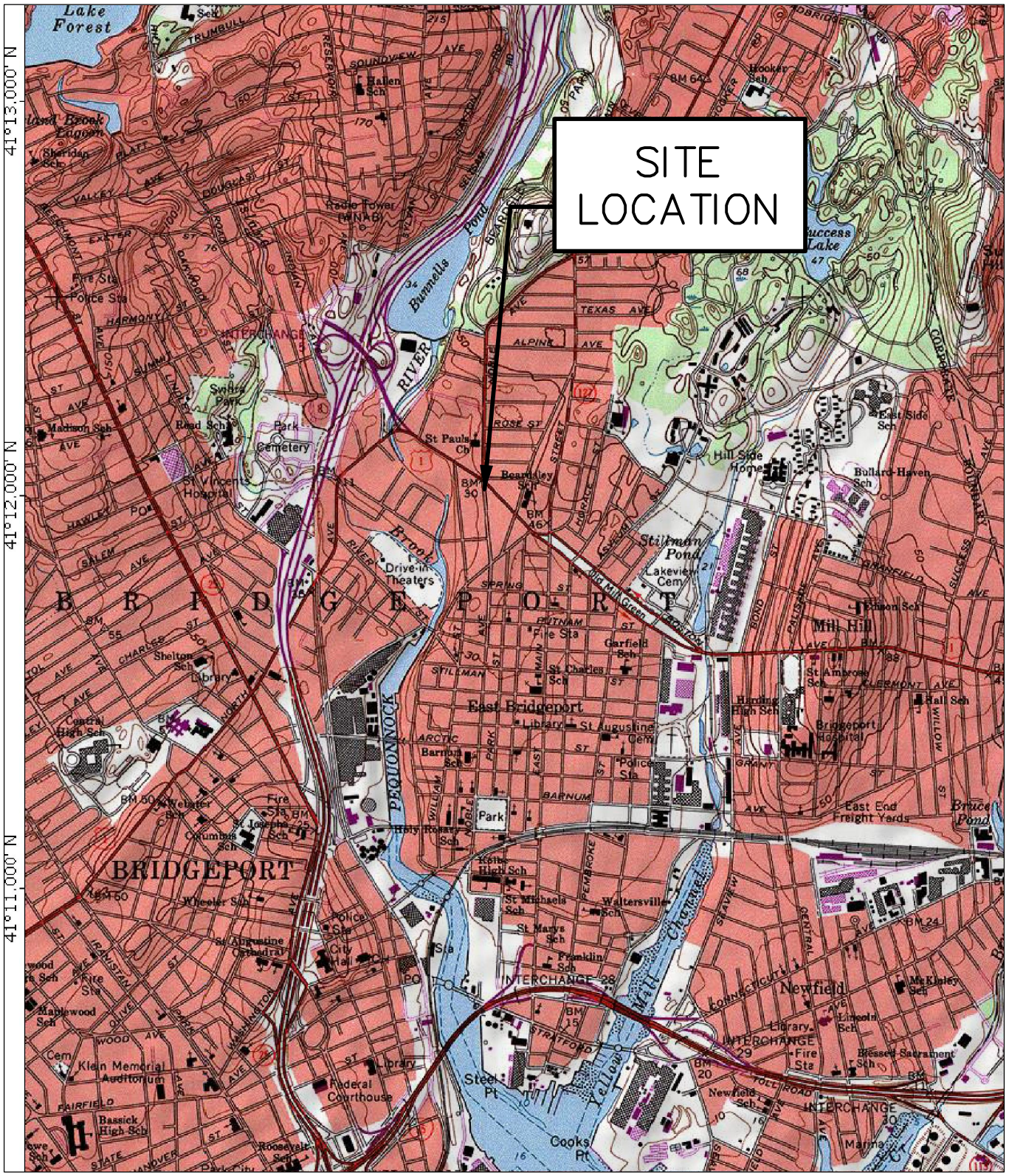
Table lists all samples and their respective reports that required qualification. Abbreviated terms are defined below:
LFB = Laboratory Fortified Blank
RPD = Relative Percent Difference
J = detected samples estimated
UJ = undetected samples estimated

TABLE 5. SUMMARY OF DATA VALIDATION QUALIFICATIONS
Phase II ESA REPORT
Former Progressive Plating Technologies
80 Hastings Street, Bridgeport, CT
Metcalf & Eddy / AECOM

Report #	Qualified Sample(s)	Matrix	Description	Qualification
			biased on the high side.	

Table lists all samples and their respective reports that required qualification. Abbreviated terms are defined below:
LFB = Laboratory Fortified Blank
RPD = Relative Percent Difference
J = detected samples estimated
UJ = undetected samples estimated

Figures



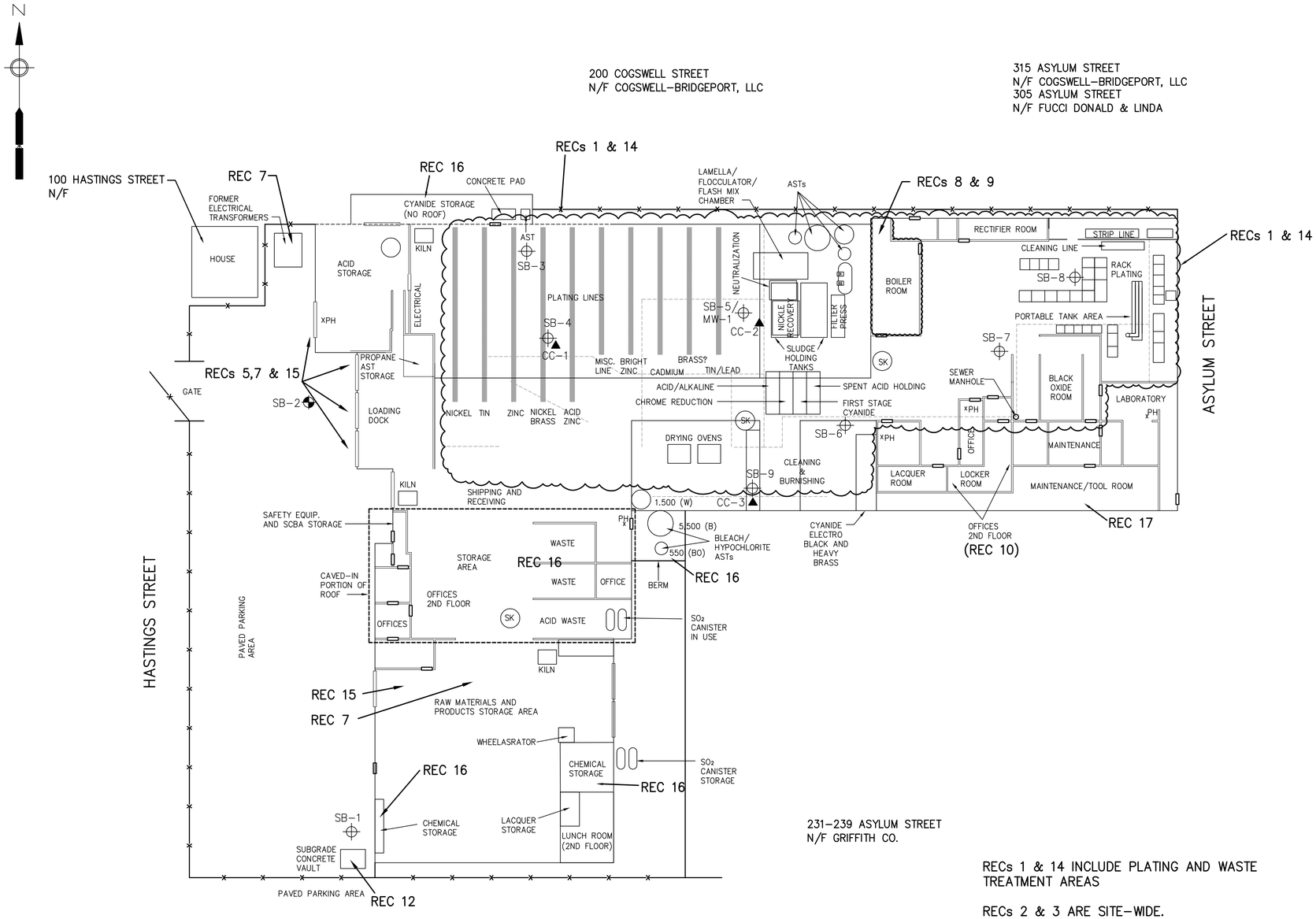
SOURCE:
U.S.G.S. TOPOGRAPHIC MAPS
BRIDGEPORT, CT QUADRANGLE,
MAP VERSION: 1984, CURRENT AS OF 1982

METCALF & EDDY | AECOM

FIGURE 1
SITE LOCATION MAP
80 HASTINGS STREET
BRIDGEPORT, CONNECTICUT

DATE: JULY2008

LAST UPDATE: Thursday, July 10, 2008 4:34:00 PM
PLOT DATE: Wednesday, October 08, 2008 9:02:47 AM
PATH/FILENAME: P:\60045450-BR\C\CBBIR003.DWG
ANSI A - 3-8-05



231–239 ASYLUM STREET
N/F GRIFFITH CO.

LEGEND

REC 1	RECOGNIZED ENVIRONMENTAL CONDITION (REC)
	APPROXIMATE FENCELINE
	DOORWAY (GARAGE, PEDESTRIAN)
	DRAINS/UTILITY SUMPS

SAMPLE LOCATIONS

SB–1	SOIL BORING LOCATION
SB/MW–1	SOIL BORING AND MONITORING WELL LOCATION
CC–1	CONCRETE CHIP SAMPLING LOCATION

REFERENCES:

1. MAP BASED ON FLOOR PLAN (SHOWING FORMER INDUSTRIAL USES) DRAWING (DATED APPROXIMATELY 2002) PROVIDED BY BRIDGEPORT FIRE MARSHAL, AND OBTAINED ON JUNE 9, 2008. (FORMER INDUSTRIAL USES ARE SHOWN.)

2. OBSERVATIONS FROM SITE WALK PERFORMED BY METCALF & EDDY STAFF ON JUNE 9, 2008.

3. MAP BASED ON TAX ASSESSOR CARD, DATED JUNE 6, 2008.

4. MAP BASED ON "FIGURE 2 SITE PLAN WITH RECS AND SAMPLING LOCATIONS, QUALITY ASSURANCE PROJECT PLAN FOR PHASE II ENVIRONMENTAL SITE ASSESSMENT, PROGRESSIVE PLATING TECHNOLOGIES AKA: AUTOMATIC PLATING, 80 HASTINGS STREET, BRIDGEPORT, CONNECTICUT" PREPARED BY METCALF & EDDY, DATED AUGUST 20, 2008.

NOTES:

BUILDING DIMENSIONS ARE APPROXIMATE.
SAMPLING LOCATIONS LOCATED BY FIELD SWING TIE MEASUREMENTS.

RECs 1 & 14 INCLUDE PLATING AND WASTE TREATMENT AREAS

RECs 2 & 3 ARE SITE–WIDE.

REC 4 OFF–SITE; COULD POTENTIALLY IMPACT SITE.

REC 18 LOCATION IS UNKNOWN.

RECs 6, 8, 10, 11 & 13 ARE BUILDING–WIDE.

LIST OF RECs

REC #	DESCRIPTION
1	Soil – Subsurface soils due to cyanide and/or other metals and petroleum contamination from historic metal plating operations, spills, and/or seepage from floor drains or compromised sub-grade structures.
2	Potential urban fill - Potential historic fill may be present.
3	Site-wide Groundwater – Cyanide and/or other metals and petroleum contamination from historic metal plating operations and/or seepage from floor drains or compromised sub-grade structures.
4	Off-Site Groundwater – Potential contamination in off-site groundwater from neighboring industrial/commercial properties that flows onto this property.
5	Residual petroleum – Possible hydraulic oil in lifts in loading docks and observed oil spills in the building.
6	Residual chemicals – Solids – cyanide and/or other metals, precipitates and filter cake on the main production floor. Liquids - acidic and/or basic solutions and metals solutions in the floor trenches. Desiccated sludge in the sludge holding tank. Additional residual chemicals may be present in equipment remaining on site, and in the laboratory.
7	PCBs – Possible PCBs related to hydraulic lifts, the former transformers, and light ballasts in the southern storage room and eastern office areas.
8	Lead-Based Paint (LBP) – Potential LBP observed on steel beams and in boiler room, due to age of facility.
9	Asbestos Containing Materials (ACM) – Potential asbestos in the ovens on site, in the boiler room, and in floor and ceiling tiles in the laboratory and offices.
10	Freon – Potential freon remaining in window air conditioner units in the office areas.
11	Mold – Mold may be present on the building interior since the interior of the building is exposed to the elements.
12	Vault Structure – Potential soil and/or groundwater contamination in the vicinity of the concrete vault structure of unknown use located in the southern portion of the parking lot.
13	Fire Damage – Smoke staining, potentially containing PAHs, is present on the building interior from the January 2008 fire at the site.
14	Impacted Concrete - Concrete floor slabs may be contaminated due to historic spills.
15	Loading Docks - Loading dock areas may represent potential sources of contamination due to historic spills.
16	Chemical Storage Areas - Chemical storage areas may represent potential sources of contamination due to historic spills or leakage. The 300 gallon cyanide spill is included in this REC.
17	Tool Room - Chemicals may have been stored or used in the tool room.
18	Subsurface Drainage Structures - Subsurface drainage structures, some potentially related to the municipal sanitary sewer system, may be present and contain residual chemicals.

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTION

REVISIONS

METCALF & EDDY | AECOM

DESIGNED BY: R. KANTOR
DRAWN BY: C. SHORES
DEPT. CHECK: J. ALBRECHT
PROJ. CHECK: L. HELLERICH

SCALE: 1" = 20' (0, 20, 40, 60 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF BRIDGEPORT
80 HASTINGS STREET
BRIDGEPORT, CONNECTICUT

FIGURE 2
SITE PLAN WITH RECs AND SAMPLING LOCATIONS

CIVIL — OCTOBER 2008

JOB 60045450
FILE NO.
CAD FILE QAPP/CBBIR002A
SHEET

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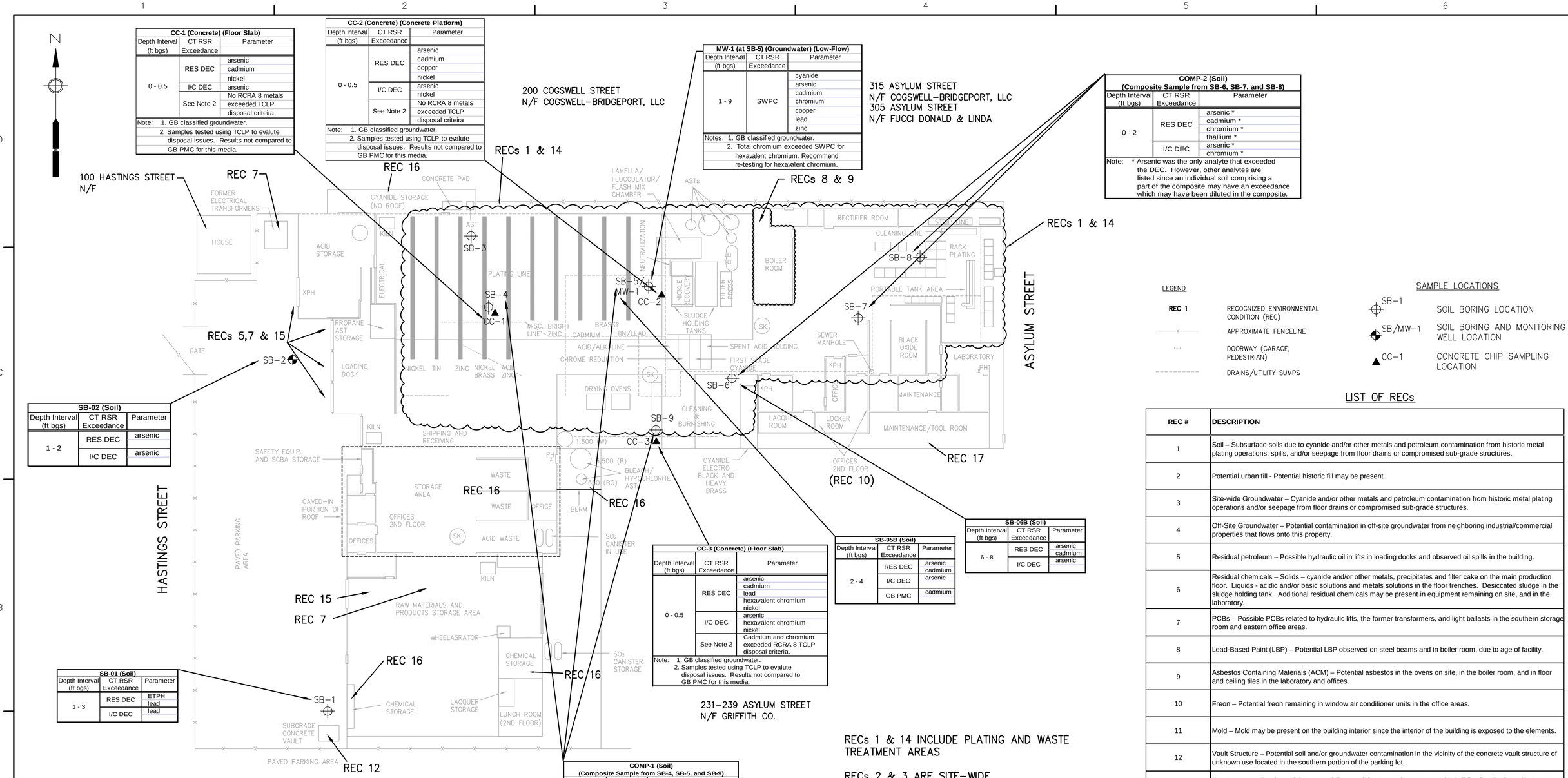
PLOT DATE: Wednesday, October 08, 2008 8:58:32 AM
ANSI D – 3–8–05



CC-1 (Concrete) (Floor Slab)		
Depth Interval (ft bgs)	CT RSR Exceedance	Parameter
0 - 0.5	RES DEC	arsenic
		cadmium
		nickel
	I/C DEC	arsenic
	See Note 2	No RCRA 8 metals
		exceeded TCLP
		disposal criteira

Note: 1. GB classified groundwater.
2. Samples tested using TCLP to evalute disposal issues. Results not compared to GB PMC for this media.

CC-2 (Concrete) (Concrete Platform)		
Depth Interval (ft bgs)	CT RSR Exceedance	Parameter
0 - 0.5	RES DEC	arsenic
		cadmium
		copper
		nickel
	I/C DEC	arsenic
		nickel
	See Note 2	No RCRA 8 metals
		exceeded TCLP
		disposal criteira

Note: 1. GB classified groundwater.
2. Samples tested using TCLP to evalute disposal issues. Results not compared to GB PMC for this media.

MW-1 (at SB-5) (Groundwater) (Low-Flow)		
Depth Interval (ft bgs)	CT RSR Exceedance	Parameter
1 - 9	SWPC	cyanide
		arsenic
		cadmium
		chromium
		copper
		lead
		zinc

Notes: 1. GB classified groundwater.
2. Total chromium exceeded SWPC for hexavalent chromium. Recommend re-testing for hexavalent chromium.

COMP-2 (Soil) (Composite Sample from SB-6, SB-7, and SB-8)		
Depth Interval (ft bgs)	CT RSR Exceedance	Parameter
0 - 2	RES DEC	arsenic *
		cadmium *
		chromium *
		thallium *
	I/C DEC	arsenic *
		chromium *

Note: * Arsenic was the only analyte that exceeded the DEC. However, other analytes are listed since an individual soil comprising a part of the composite may have an exceedance which may have been diluted in the composite.

SB-02 (Soil)		
Depth Interval (ft bgs)	CT RSR Exceedance	Parameter
1 - 2	RES DEC	arsenic
	I/C DEC	arsenic

SB-01 (Soil)		
Depth Interval (ft bgs)	CT RSR Exceedance	Parameter
1 - 3	RES DEC	ETPH
		lead
	I/C DEC	lead

CC-3 (Concrete) (Floor Slab)		
Depth Interval (ft bgs)	CT RSR Exceedance	Parameter
0 - 0.5	RES DEC	arsenic
		cadmium
		lead
		hexavalent chromium
		nickel
	I/C DEC	arsenic
		hexavalent chromium
		nickel
	See Note 2	Cadmium and chromium exceeded RCRA 8 TCLP disposal criteria.

Note: 1. GB classified groundwater.
2. Samples tested using TCLP to evalute disposal issues. Results not compared to GB PMC for this media.

SB-05B (Soil)		
Depth Interval (ft bgs)	CT RSR Exceedance	Parameter
2 - 4	RES DEC	arsenic
		cadmium
	I/C DEC	arsenic
	GB PMC	cadmium

SB-06B (Soil)		
Depth Interval (ft bgs)	CT RSR Exceedance	Parameter
6 - 8	RES DEC	arsenic
		cadmium
	I/C DEC	arsenic

COMP-1 (Soil) (Composite Sample from SB-4, SB-5, and SB-9)		
Depth Interval (ft bgs)	CT RSR Exceedance	Parameter
0 - 2	RES DEC	arsenic *
		cadmium *
		chromium *
		lead *
		thallium *
	I/C DEC	arsenic *
		chromium *

Note: * No analytes exceeded the DEC. However, other analytes are listed since an individual soil comprising a part of the composite may have an exceedance which may have been diluted in the composite.

LEGEND

REC 1	RECOGNIZED ENVIRONMENTAL CONDITION (REC)
x	APPROXIMATE FENCELINE
	DOORWAY (GARAGE, PEDESTRIAN)
	DRAINS/UTILITY SUMPS

SAMPLE LOCATIONS

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NOTES:

BUILDING DIMENSIONS ARE APPROXIMATE.
SAMPLING LOCATIONS LOCATED BY FIELD SWING TIE MEASUREMENTS.

RES DEC = CTRSR RESIDENTIAL DIRECT EXPOSURE CRITERIA

I/C DEC = CTRSR INDUSTRIAL/COMMERCIAL DIRECT EXPOSURE CRITERIA

GB PMC = CTRSR GB POLLUTANT MOBILITY CRITERIA

CTRSRs = CONNECTICUT REMEDIATION STANDARD REGULATIONS

RECs 1 & 14 INCLUDE PLATING AND WASTE TREATMENT AREAS

RECs 2 & 3 ARE SITE–WIDE.

REC 4 OFF–SITE; COULD POTENTIALLY IMPACT SITE.

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7	PCBs – Possible PCBs related to hydraulic lifts, the former transformers, and light ballasts in the southern storage room and eastern office areas.
8	Lead-Based Paint (LBP) – Potential LBP observed on steel beams and in boiler room, due to age of facility.
9	Asbestos Containing Materials (ACM) – Potential asbestos in the ovens on site, in the boiler room, and in floor and ceiling tiles in the laboratory and offices.
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NUMBER	DATE	MADE BY	CHECKED	DESCRIPTION

REVISIONS

METCALF & EDDY | AECOM

DESIGNED BY: R. KANTOR/L. HELLERICH
DRAWN BY: C. SHORES
DEPT. CHECK: J. ALBRECHT
PROJ. CHECK: L. HELLERICH

SCALE: 1" = 20' (0, 20, 40, 60 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF BRIDGEPORT
80 HASTINGS STREET
BRIDGEPORT, CONNECTICUT

FIGURE 3
SUMMARY OF CTRSR EXCEEDANCES

CIVIL — OCTOBER 2008

JOB 60045450
FILE NO.
CAD FILE QAPP/CBBIR003
SHEET

ANSI D – 3–8–05

PATH/FILENAME: P:\60045450–BR\C\QAPP\CBBIR003.DWG
LAST UPDATE: Wednesday, October 08, 2008 8:50:38 AM
PLOT DATE: Wednesday, October 08, 2008 9:03:43 AM

Appendices

Appendix A

Statement of Limitations

STATEMENT OF LIMITATIONS

The data presented and the opinions expressed in this report are qualified as follows:

1. The sole purpose of the investigation and of this report is to assess the physical characteristics of the Site with respect to the presence or absence in the environment of oil or hazardous materials and substances as defined in the applicable state and federal environmental laws and regulations and to gather information regarding current and past environmental conditions at the Site.

2. Metcalf & Eddy (M&E) derived the data in this report primarily from visual inspections, examinations of records provided by the Client, interviews with individuals with information about the Site, and a limited number of subsurface explorations made on the dates indicated. The passage of time, manifestation of latent conditions or occurrence of future events may require further exploration at the Site, analysis of the data, and reevaluation of the findings, observations, and conclusions expressed in the report.

3. In preparing this report, M&E has relied upon and presumed accurate certain information (or the absence thereof) about the Site and adjacent properties provided by governmental officials and agencies, the Client, and others identified herein. Except as otherwise stated in the report, M&E has not attempted to verify the accuracy or completeness of any such information.

4. The data reported and the findings, observations, and conclusions expressed in the report are limited by the Scope of Services, including the extent of subsurface exploration and other tests. The Scope of Services was defined by the requests of the Client, the time and budgetary constraints imposed by the Client, and the availability of access to the Site.

5. Because of the limitations stated above, the findings, observations, and conclusions expressed by M&E in this report are not, and should not be considered, an opinion concerning the compliance of any past or present owner or operator of the site with any federal, state or local law or regulation. No warranty or guarantee, whether express or implied, is made with respect to the data reported or findings, observations, and conclusions expressed in this report. Further, such data, findings, observations, and conclusions are based solely upon site conditions in existence at the time of investigation.

6. This report has been prepared on behalf of and for the exclusive use of the Client, and is subject to and issued in connection with the Agreement and the provisions thereof.

Appendix B

Soil Boring Logs

Metcalf & Eddy, Inc. — ENGINEERS

GEOLOGIC LOG

METCALF & EDDY AECOM

PROJECT: PROGRESSIVE PLATING, 80 HASTINGS STREET, BRIDGEPORT, CT		SHEET: 1	BORING NO.: SB-1
SITE LOCATION: EXTERIOR OF BUILDING NEAR VAULT STRUCTURE	JOB NO.: 6000454150.02		
	LOCATION: N: W	Elevation:	Total Depth: 3
DRILL CONTRACTOR: GLACIER	ENG/GEO: KANTOR	BEGUN: 9/8/08	
DRILL RIG: GEOPROBE 5610LT	DRILLER: BELL	FINISHED: 9/8/08	
Hole Size: 3"	Weather: SUNNY MILD 82°F	Ground Water (Depth/Elev.): —	
Drilling Method: DIRECT PUSH	Drilling Fluid: NONE	Top of Rock (Depth/Elev.): ± 3 FEET BGS	

Depth (ft)	Sample Type/No. SB-18	PID (ppm)	Time	Blow Counts # per 6" or 12	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION (NOTE: Depths read from top of recovered sample)	STRATIGRAPHIC DESCRIPTION
	S-1 (0-3)		-	-	2.3'	TOP 3" - ASPHALT MIDDLE 0.6' - BROWN F-M SAND, LITTLE TO TRACE SILT, dry (FILL) BOTTOM 1.7' - DARK BROWN-BLACK F-C SAND, SOME TO LITTLE ASH, LITTLE TO TRACE SILT AND GRAVEL, moist (FILL)	REFUSAL AT 3 FEET, TERMINATE BORING
		1.2					
		3.2					
5							
10							
15							
20							
25							

SAMPLE TYPES:	Trace 0 to 5%	SPT Resistance		Approved/Date
SS=SPLIT SPOON	Few 5 to 10%	Cohesionless Density: 0-4 V. Loose	Cohesive Consistency: 0-2 V. Soft	
ST=SHELBY TUBE	Little 15 to 25%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
R=ROCK CORE	Some 30 to 45%	30-49 Dense 50+ V. Dense	16-30 V. Stiff, 31+ Hard	

C:\Documents and Settings\PerhalaS\My Documents\Forms\[Soil BoringLogs.xls]GeoLog

Metcalf & Eddy, Inc. — ENGINEERS

GEOLOGIC LOG

METCALF & EDDY

PROJECT: PROGRESSIVE PLATING 80 HASTINGS STREET BRIDGEPORT, CT		SHEET: 1	BORING NO.: SB-2
SITE LOCATION: EXTERIOR OF BUILDING WEST OF LOADING DOCK	JOB NO.: 60045450-02		
	LOCATION: N: W	Elevation:	Total Depth: 2
DRILL CONTRACTOR: GLACIER	ENG/GEO: KANTOR	BEGUN: 9/8/08	
DRILL RIG: GEOPROBE 7822T	DRILLER: BELL	FINISHED: 9/8/08	
Hole Size: 3"	Weather: SUNNY, MILD 82 OF	Ground Water (Depth/Elev.): —	
Drilling Method: DIRECT PUSH	Drilling Fluid: NONE	Top of Rock (Depth/Elev.): ±2 FEET BGS	

Depth (ft)	Sample Type/No. SB-18	PID (ppm)	Time	Blow Counts # per 6" or 12	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION (NOTE: Depths read from top of recovered sample)	STRATIGRAPHIC DESCRIPTION
	S-1 (0-2')	11.4	—	—	1.8	TOP 3" - ASPHALT BOTTOM 1.5' - TAN BROWN F M SAND, LITTLE C-SAND, LITTLE to TRACE SILT, GRAVEL AND WOOD, MOIST (FILL)	REFUSAL AT 2 FEET, TERMINATE BORING
5							
10							
15							
20							
25							

SAMPLE TYPES: SS=SPLIT SPOON ST=SHELBY TUBE R=ROCK CORE	Trace 0 to 5% Few 5 to 10% Little 15 to 25% Some 30 to 45%	SPT Resistance Cohesionless Density: 0-4 V. Loose 5-9 Loose 10-29 Med. Dense 30-49 Dense 50+ V. Dense	Cohesive Consistency: 0-2 V. Soft 3-4 Soft, 5-8 M/Stiff, 9-15 Stiff 16-30 V. Stiff, 31+ Hard	Approved/Date

C:\Documents and Settings\PerhalaS\My Documents\Forms\[Soil BoringLogs.xls]GeoLog

Metcalf & Eddy, Inc. — ENGINEERS

GEOLOGIC LOG

METCALF & EDDY AECOM

PROJECT: PROGRESSIVE PLATING 80 HASTINGS STREET BRIDGEPORT, CT		SHEET 1	BORING NO. SB-3
SITE LOCATION: INTERIOR OF BUILDING - SOUTHEAST OF EXTERIOR CYANIDE STORAGE AREA	JOB NO.: 60045450.02		
	LOCATION: N: W	Elevation:	Total Depth: 1
DRILL CONTRACTOR: GLACIER	ENG/GEO: KANTOR	BEGUN:	9/8/08
DRILL RIG: GEOPROBE 56LT	DRILLER: BELL	FINISHED:	9/8/08
Hole Size: 3"	Weather: SUNNY MILD, 82°F	Ground Water (Depth/Elev.):	
Drilling Method: DIRECT PUSH	Drilling Fluid: NONE	Top of Rock (Depth/Elev.): ± 1 FOOT BGS	

Depth (ft)	Sample Type/No. SB-18	PID (ppm)	Time	Blow Counts # per 6" or 12	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION (NOTE: Depths read from top of recovered sample)	STRATIGRAPHIC DESCRIPTION
	S-1 (0-1')	1.3	–	–	0.7'	TOP 3" - CONCRETE BOTTOM 0.5' - TAN-BROWN F-M SAND, TRACE SILT, dry, NAPHTHA odor (FILL)	REFUSAL AT 1.0 FEET - TERMINATE BORING, THREE (3) ATTEMPTS MADE TO COLLECT AMPLE SAMPLE VOLUME
5							
10							
15							
20							
25							

SAMPLE TYPES: SS=SPLIT SPOON ST=SHELBY TUBE R=ROCK CORE	Trace 0 to 5% Few 5 to 10% Little 15 to 25% Some 30 to 45%	SPT Resistance Cohesionless Density: 0-4 V. Loose 5-9 Loose 10-29 Med. Dense 30-49 Dense 50+ V. Dense	Cohesive Consistency: 0-2 V. Soft 3-4 Soft, 5-8 M/Stiff, 9-15 Stiff 16-30 V. Stiff, 31+ Hard	Approved/Date

C:\Documents and Settings\PerhalaS\My Documents\Forms\[Soil BoringLogs.xls]GeoLog

Metcalf & Eddy, Inc. — ENGINEERS

GEOLOGIC LOG

METCALF&EDDY

PROJECT: PROGRESSIVE PLATING, 80 HASTINGS STREET, BRIDGEPORT, CT		SHEET: 1	BORING NO.: SB-4
SITE LOCATION: INTERIOR OF BUILDING NEAR CENTER OF BARREL LINES	JOB NO.: 6000 45450.02		
	LOCATION: N: W	Elevation:	Total Depth: 1.5
DRILL CONTRACTOR: GLACIER	ENG/GEO: KANTOR		BEGUN: 9/8/08
DRILL RIG: GEOPROBE 5610LT	DRILLER: BELL		FINISHED: 9/8/08
Hole Size: 3"	Weather: SUNNY, MILD 82°F	Ground Water (Depth/Elev.): —	
Drilling Method: DIRECT PUSH	Drilling Fluid: NONE	Top of Rock (Depth/Elev.): 1.5' BGS	

Depth (ft)	Sample Type/No. SB-18	PID (ppm)	Time	Blow Counts # per 6" or 12	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION NOTE: Depths read from top of recovered sample	STRATIGRAPHIC DESCRIPTION
0	S-1 (0-1.5')	4.2	-	-	1.0'	TOP 3"- CONCRETE BOTTOM 9"- BROWN-BLACK F-C SAND, LITTLE SILT AND GRAVEL, MOIST TO WET (FILL)	REFUSAL AT 1.5'- TERMINATE BORING- THREE (3) ATTEMPTS MADE TO COLLECT SAMPLE SAMPLE VOLUME,
5							
10							
15							
20							
25							

SAMPLE TYPES: SS=SPLIT SPOON ST=SHELBY TUBE R=ROCK CORE	Trace 0 to 5% Few 5 to 10% Little 15 to 25% Some 30 to 45%	SPT Resistance Cohesionless Density: 0-4 V. Loose 5-9 Loose 10-29 Med. Dense 30-49 Dense 50+ V. Dense	Cohesive Consistency: 0-2 V. Soft 3-4 Soft, 5-8 M/Stiff, 9-15 Stiff 16-30 V. Stiff, 31+ Hard	Approved/Date

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Metcalf & Eddy, Inc. ENGINEERS

GEOLOGIC LOG

METCALF & EDDY

PROJECT: PROGRESSIVE PLATING 80 HASTINGS STREET, BRIDGEPORT, CT		SHEET: 1	BORING NO.: SB-5
SITE LOCATION: INTERIOR OF BUILDING EAST OF BARREL LINES AND WEST OF SLUDGE HOLDING TANKS	JOB NO.: 6004 6450.02		
	LOCATION: N: W	Elevation:	Total Depth: 8
DRILL CONTRACTOR: GLACIER	ENG/GEO: KANTOR	BEGUN: 9/8/08	
DRILL RIG: GEOPROBE 5GLT	DRILLER: BELL	FINISHED: 9/8/08	
Hole Size: 3"	Weather: SUNNY MILD 82°F	Ground Water (Depth/Elev.): ± 2 FEET	
Drilling Method: DIRECT PUSH	Drilling Fluid: NONE	Top of Rock (Depth/Elev.): 9 FEET BGS	

Depth (ft)	Sample Type/No. SB-18	PID (ppm)	Time	Blow Counts # per 6" or 12	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION (NOTE: Depths read from top of recovered sample)	STRATIGRAPHIC DESCRIPTION
	S-1(0-4')		-	-	2.6'	TOP 3"- CONCRETE MIDDLE 1.9'- DARK BROWN F-C SAND, SOME to LITTLE GRAVEL, LITTLE TO TRACE ASH AND SILT, MOIST (FILL) BOTTOM 0.7' BROWN F-M SAND, SOME SILT, LITTLE to TRACE GRAVEL, WET (FILL)	TERMINATE BORING AT 8 FEET - SET MONITORING WELL TO 9' BGS.
		3.1					
		4.5					
5	S-2(4-8')		-	-	3.7'	TOP 2.0'- BROWN SILT, LITTLE to TRACE F SAND, MOIST (FILL) BOTTOM 1.7'- TAN-BROWN F-C SAND, LITTLE SILT, TRACE GRAVEL, WET (FILL)	
		3.9					
		5.2					
10							
15							
20							
25							

SAMPLE TYPES:	Trace 0 to 5%	SPT Resistance			Approved/Date
SS=SPLIT SPOON	Few 5 to 10%	Cohesionless Density:	0-4 V. Loose	Cohesive Consistency: 0-2 V. Soft	
ST=SHELBY TUBE	Little 15 to 25%	5-9 Loose	10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
R=ROCK CORE	Some 30 to 45%	30-49 Dense	50+ V. Dense	16-30 V. Stiff, 31+ Hard	

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Metcalf & Eddy, Inc. ENGINEERS

GEOLOGIC LOG

METCALF & EDDY AECOM

PROJECT: PROGRESSIVE PLATING 80 HASTINGS STREET, BRIDGEPORT, CT		SHEET 1	BORING NO. SB-6
SITE LOCATION: INTERIOR OF BUILDING NEAR SPENT ACID HOLDING AREA, SOUTH OF SLUDGE HOLDING TANKS	JOB NO.: 60045450.02	Elevation:	Total Depth: 7'
	LOCATION: N: W		
DRILL CONTRACTOR: GLACIER	ENG/GEO: KANTOR	BEGUN: 9/8/08	
DRILL RIG: GEOPROBE 56LT	DRILLER: BELL	FINISHED: 9/8/08	
Hole Size: 3"	Weather: SUNNY, MILD 82°F	Ground Water (Depth/Elev.): ± 2 FOOT	
Drilling Method: DIRECT PUSH	Drilling Fluid: NONE	Top of Rock (Depth/Elev.): 7 FEET BGS	

Depth (ft)	Sample Type/No. SB-18	PID (ppm)	Time	Blow Counts # per 6" or 12	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION (NOTE: Depths read from top of recovered sample)	STRATIGRAPHIC DESCRIPTION
	S-1(0-4')		–	–	3.2'	TOP 3" - CONCRETE MIDDLE 1.8' - GREENISH-TAN F-SAND, TRACE M-SAND AND SILT, dry to MOIST (FILL) BOTTOM 1.4' - REDDISH-BROWN F-C SAND, LITTLE GRAVEL, LITTLE to TRACE SILT, MOIST (FILL)	
		8.7					
		4.3					
5	S-2(4-7')		–	–	2.7'	TOP 2.6' - GREENISH-TAN F-M SAND, LITTLE to TRACE SILT, MOIST (FILL) BOTTOM 0.1' - BLACK SILT, TRACE F SAND, MOIST, ORGANIC/PETROLEUM ODOR (FILL)	
		1044					
		97.3					REFUSAL AT 7', TERMINATE BORING
10							
15							
20							
25							

SAMPLE TYPES:	Trace 0 to 5%	SPT Resistance		Approved/Date
SS=SPLIT SPOON	Few 5 to 10%	Cohesionless Density: 0-4 V. Loose	Cohesive Consistency: 0-2 V. Soft	
ST=SHELBY TUBE	Little 15 to 25%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
R=ROCK CORE	Some 30 to 45%	30-49 Dense 50+ V. Dense	16-30 V. Stiff, 31+ Hard	

Metcalf & Eddy, Inc. — ENGINEERS

GEOLOGIC LOG

METCALF & EDDY | AECOM

PROJECT: PROGRESSIVE PLATING 80 HASTINGS STREET BRIDGEPORT, CT		SHEET 1	BORING NO. SB-7
SITE LOCATION: INTERIOR OF BUILDING, NEAR OFFICES AND BLACK OXIDE ROOM	JOB NO.: 60045450.02		
	LOCATION: N: W	Elevation:	Total Depth: 3'
DRILL CONTRACTOR: GLACIER	ENG/GEO: KANTOR	BEGUN: 9/8/08	
DRILL RIG: GEOPROBE 516 LT	DRILLER: BELL	FINISHED: 9/8/08	
Hole Size: 3"	Weather: SUNNY, MILD 82°F	Ground Water (Depth/Elev.): ± 2 FEET	
Drilling Method: DIRECT PUSH	Drilling Fluid: NONE	Top of Rock (Depth/Elev.): 3 FEET BGS	

Depth (ft)	Sample Type/No. SB-18	PID (ppm)	Time	Blow Counts # per 6" or 12	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION (NOTE: Depths read from top of recovered sample)	STRATIGRAPHIC DESCRIPTION
	S-1(0-3')	2.7	-		2.4'	TOP 3" - CONCRETE BOTTOM 2.1' - BROWN F-C SAND, LITTLE to TRACE GRAVEL, TRACE SILT AND BRICK, MOIST (FILL)	REFUSAL AT 3' TERMINATE BORING
5							
10							
15							
20							
25							

SAMPLE TYPES:	Trace 0 to 5%	SPT Resistance		Approved/Date
SS=SPLIT SPOON	Few 5 to 10%	Cohesionless Density: 0-4 V. Loose	Cohesive Consistency: 0-2 V. Soft	
ST=SHELBY TUBE	Little 15 to 25%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
R=ROCK CORE	Some 30 to 45%	30-49 Dense 50+ V. Dense	16-30 V. Stiff, 31+ Hard	

Metcalf & Eddy, Inc. — ENGINEERS

GEOLOGIC LOG

METCALF & EDDY | AECOM

PROJECT: PROGRESSIVE PLATING 80 HASTINGS STREET, BRIDGEPORT, CT		SHEET: 1	BORING NO.: SB-8
SITE LOCATION: INTERIOR OF BUILDING, NEAR THE NORTHEAST CORNER IN THE RACK PLATING AREA	JOB NO.: 6604545O.02		
	LOCATION: N: W	Elevation:	Total Depth: 2'
DRILL CONTRACTOR: GLACIER	ENG/GEO: KANTOR	BEGUN: 9/8/08	
DRILL RIG: GEOPROBE 56LT	DRILLER: BELL	FINISHED: 9/8/08	
Hole Size: 3"	Weather: SUNNY, MILD 82°F	Ground Water (Depth/Elev.): –	
Drilling Method: DIRECT PUSH	Drilling Fluid: NONE	Top of Rock (Depth/Elev.): ± 2 FEET BGS	

Depth (ft)	Sample Type/No. SB-18	PID (ppm)	Time	Blow Counts # per 6" or 12	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION (NOTE: Depths read from top of recovered sample)	STRATIGRAPHIC DESCRIPTION
	S-1(0-2')	30.1	–	–	0.5'	TOP 1.5' - CONCRETE BOTTOM 0.5' - BLACK-BROWN F-M SAND AND SILT, MOIST TO WET (FILL)	THICK CONC. SLAB, REFUSAL AT 2.0 FEET, TERMINATE BORING.
5							
10							
15							
20							
25							

SAMPLE TYPES:	Trace 0 to 5%	SPT Resistance		Approved/Date
SS=SPLIT SPOON	Few 5 to 10%	Cohesionless Density: 0-4 V. Loose	Cohesive Consistency: 0-2 V. Soft	
ST=SHELBY TUBE	Little 15 to 25%	5-9 Loose 10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
R=ROCK CORE	Some 30 to 45%	30-49 Dense 50+ V. Dense	16-30 V. Stiff, 31+ Hard	

Metcalf & Eddy, Inc. — ENGINEERS

GEOLOGIC LOG

METCALF & EDDY | AECOM

PROJECT: PROGRESSIVE PLATING 80 HASTINGS STREET, BRIDGEPORT, CT		SHEET: 1	BORING NO.: SB-9
SITE LOCATION: INTERIOR OF BUILDING - NEAR SPENT ACID HOLDING AREA	JOB NO.: 6100 45450.02		
	LOCATION: N: W	Elevation:	Total Depth: 4'
DRILL CONTRACTOR: GLACIER	ENG/GEO: KANTOR	BEGUN:	9/8/08
DRILL RIG: GEOPROBE 5610T	DRILLER: BELL	FINISHED:	9/8/08
Hole Size: 3"	Weather: SUNNY, MILD 82°F	Ground Water (Depth/Elev.):	± 2 FEET
Drilling Method: DIRECT PUSH	Drilling Fluid: NONE	Top of Rock (Depth/Elev.):	± 4 FEET BGS

Depth (ft)	Sample Type/No. SB-18	PID (ppm)	Time	Blow Counts # per 6" or 12	Sample Recovery or REC & RQD	SAMPLE DESCRIPTION (NOTE: Depths read from top of recovered sample)	STRATIGRAPHIC DESCRIPTION
	S-1 (0-4')		–	–	3.7'	TOP 3"- CONCRETE MIDDLE 2.4'- GREENISH-TAN F-SAND, TRACE M-SAND AND SILT & MOIST (FILL) BOTTOM 1.0'- GREENISH TAN-BROWN F-C SAND, LITTLE ASH, LITTLE to TRACE SILT AND GRAVEL, MOIST (FILL)	REFUSAL AT 4 FEET, TERMINATE BORING
		2.0					
		5.8					
5							
10							
15							
20							
25							

SAMPLE TYPES:	Trace 0 to 5%	SPT Resistance			Approved/Date
SS=SPLIT SPOON	Few 5 to 10%	Cohesionless Density:	0-4 V. Loose	Cohesive Consistency: 0-2 V. Soft	
ST=SHELBY TUBE	Little 15 to 25%	5-9 Loose	10-29 Med. Dense	3-4 Soft, 5-8 M/Stiff, 9-15 Stiff	
R=ROCK CORE	Some 30 to 45%	30-49 Dense	50+ V. Dense	16-30 V. Stiff, 31+ Hard	

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Appendix C

Monitoring Well Construction Detail

Metcalf & Eddy, Inc.
ENGINEERS

MONITORING WELL CONSTRUCTION DETAIL

Metcalf & Eddy

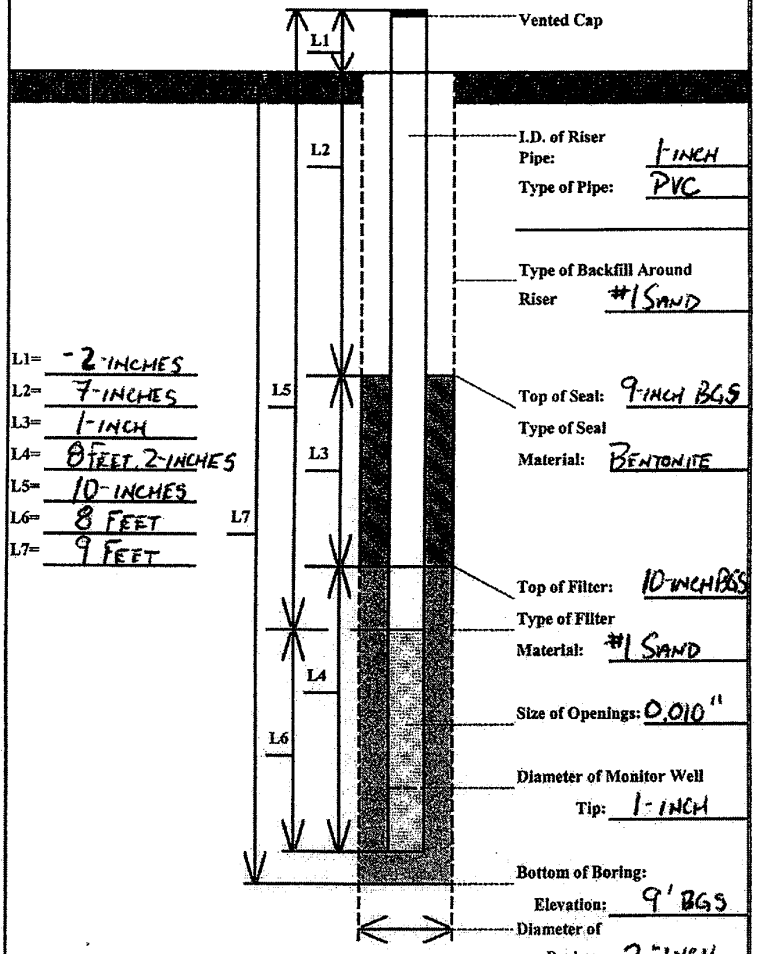
PROJECT: Progressive Plating, Bridgeport, CT		SHEET 1 of 1	WELL NO. MW-1
SITE LOCATION 80 Hastings St. Bridgeport, CT Former SB-5 location	JOB NO: 60045450.02		
	LOCATION: N: E:		Elevation: Total Depth: 9'
DRILL CONTRACTOR: Glacier	ENG/GEO: Kantor	DRILLER: Bell	DATE: 9/8/08
INSTALLATION METHOD: Direct Push			TIME: 1500
TYPE OF MONITORING WELL 1" ϕ PVC			Ground Water (Depth/Elev.): ± 2'

MATERIALS USED

- 8 Feet - 0.010-inch Slot, 1 inch Diameter PVC Screen
- 10-inches of 1-inch Dia. Solid PVC Riser
- 1- Coupling (PVC)
- 1- PVC Bottom Plug
- 1- Threaded PVC Cap
- 1/4 Bag #1 Morie Sand
- Granular Bentonite
- 1- 5-inch Diameter Flushmount Road Box
- 1/2-Bag Concrete

Ground Elevation: _____

Top of Riser Elevation: _____



L1= -2-inches
L2= 7-inches
L3= 1-inch
L4= 8 Feet, 2-inches
L5= 10-inches
L6= 8 Feet
L7= 9 Feet

REMARKS:

P:\FORMS\Field Forms\[WellConstruction.xls]Well Construction

Appendix D

Groundwater Sampling Log

Well Purging-Field Water Quality Measurement Form

Location (Site/Facility Name): 80 HASTINGS ST BRIDGEPORT, CT

Well # SB/MW-5 Date: 9/23/09

Field Personnel: D Serenka S Cash

Sampling Organization: Metcalf & Eddy

Identify Measuring Point (MP): PVC Top of PVC

Screen Interval From MP in feet: Top ~~5~~ Bottom ~~10~~ 6

Pump Intake depth (ft below MP):

Purging Device; (pump type): Geopump Peri.

Weather: indoors

Clock Time 24 HR	Water Depth below MP ft	Pump Dial[1] RPMs	Purge Rate ml/min	Cum. Volume Purged gal	Temp. °C	Spec. Cond.[2] µS/cm	pH s.u.	ORP/ Eh[3] mv	DO mg/L	Turb-idity NTU	Comments
											STATIC H_2O
10:00			~700							292	2.25' below PVC
10:05										142	pump on 9:45AM
10:10										111	
10:14	2.7	150	130		16.71	3983	7.24	-57.9	0.84	238	silty, pump w/o sampling
10:22	2.7	160	140		16.75	3913	7.17	-57.5	0.67	213	
10:27	2.75	160	140		16.77	3864	7.13	-58.3	0.57	154	1" dia. well
10:31	2.75	160	140		16.79	3825	7.15	-60.0	0.49	116	can't fit
10:36	2.79	160	140		16.80	3803	7.10	-54.7	0.45	113	
10:39	2.79	160	140		16.79	3796	7.09	-60.0	0.42	103	

1. Pump dial setting (for example: hertz, cycles/min, etc)
2. µSiemens per cm (same as µmhos/cm at 25°C
3. Oxidation reduction potential (standard for Eh)

SAMPLED @ 10:40

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NOTE: CT Dismantling is operating in the building using generator, saws, cutting torch, forklift (purpose)

Appendix E

Hygenix Limited Asbestos Pre-Demolition Survey Report

HYGENIX, Inc. *49 Woodside Street Stamford, CT 06902* *203-324-3635*

LIMITED ASBESTOS PRE-DEMOLITION SURVEY REPORT

INSPECTION SITE:	80 Hastings Street Bridgeport, CT
CLIENT:	Metcalf & Eddy, Inc. An AECOM Company 860 North Main Street Ext. Wallingford, CT 06492 Attn.: Lucas Hellerich
INSPECTOR:	James Twitchell
INSPECTION DATE:	September 9, 2008
BUILDING TYPES:	Commercial
SAMPLES COLLECTED:	157 collected / 66 submitted / 55 analyzed

BACKGROUND

The building at the above referenced location is slated for demolition. Lucas Hellerich of Metcalf & Eddy Inc. hired HYGENIX, Inc. to document the presence of asbestos-containing building materials (ACBM'S), and to comment on the impact these materials will have on the proposed project. The results of the asbestos survey are presented in this report. It should be noted that due to limitations in the contract only fifty (50) asbestos samples were approved for analysis.

ASBESTOS SAMPLING PROTOCOL

During the inspection of accessible spaces, the inspectors identified "functional spaces or building systems" (e.g. dwelling spaces, storage rooms, boiler rooms, roof systems, heating systems, etc.), and categorized the construction materials within functional spaces and/or system as "homogeneous", based on uniformity in color, age, texture and use. The inspector then compiled a list of building materials suspected to contain asbestos, and recorded the condition, location and approximate quantity of homogeneous, suspect materials.

From each homogeneous area or building system, the inspectors collected representative "bulk" samples of construction materials suspected to contain asbestos.

Samples of suspect materials were analyzed at AmeriSci New York by polarized light microscopy (PLM) in accordance with EPA procedures. The National Voluntary Laboratory Approval Program (NVLAP) accredits AmeriSci New York to perform bulk asbestos analysis.

INTERPRETATION OF TEST RESULTS

The regulations of CT Department of Public Health and the US EPA define ***asbestos containing materials*** (ACM's) as materials containing greater than 1-% asbestos. If one or more bulk samples of a homogeneous material are found to contain greater than 1-% asbestos, then all of the homogeneous material is classified as ACM.

The US OSHA Asbestos Construction Industry Standard requires designation as ***presumed asbestos containing materials*** (PACM's), all surfacing materials and thermal system insulation which have not been tested, or for which the number of samples collected and analyzed was less than the previously listed minimums. This requirement does not apply if the building in which the material is found was constructed after 1980.

The results of the PLM laboratory testing are summarized in Appendix A.

GENERAL DISCUSSION - ASBESTOS ABATEMENT REGULATIONS

Asbestos management and abatement activities in the State of Connecticut are governed by the following State and federal regulations:

1. US EPA National Emission Standards for Hazardous Air Pollutants (NESHAPs)

   The NESHAPs regulations for asbestos prohibit the emission of airborne asbestos dust to the environment. These regulations require notification of the regional office of US EPA at least 10 days in advance of an asbestos abatement project involving more than 260 linear feet, 160 square feet, or 35 cubic feet of material containing more than 1% asbestos. The NESHAPs regulations require the asbestos-containing materials to be kept in a wet condition during handling and removal, and specify requirements for labeling, transport and disposal of asbestos waste.

2. US OSHA Asbestos Construction Industry Standard

   The OSHA Asbestos Construction Industry Standard protects workers who may be exposed to asbestos in construction. The OSHA standard specifies permissible exposure limits, and procedures for handling various forms and quantities of asbestos containing building materials. The standard describes regulated areas, exposure monitoring, respiratory protection and protective clothing, hygiene facilities, hazard communication, housekeeping, medical surveillance, record keeping, and worker training requirements.

3. CT DOPH CT Standards for Asbestos Abatement

   The CT regulations describe the allowable procedures for asbestos abatement, licensing of personnel involved in asbestos abatement, and reoccupancy testing requirements. A 10-day advance notification of the agency is required for asbestos removal projects involving more than 25 square feet or 10 linear feet of friable asbestos containing material.

INVENTORY OF ASBESTOS CONTAINING BUILDING MATERIALS:

All asbestos containing materials must be removed from the building prior to demolition. A Connecticut licensed asbestos abatement contractor must remove the material.

ALL SECTIONS (Exterior)

ACBM Description	Location (s) in Building	Estimated Quantity	Comments
Flashing/Cement	Roof Perimeter Edge	1,000 square feet	
Roll-Out Roofing	Pitched Roof Over Ladder	450 square feet	
Roof Field	Section #1 Roof	1,800 square feet	The roof was not accessible due to fire damage and must be assumed positive unless tested and proven to be asbestos free.
Flashing/Cement	Roof Perimeter Edge	1,000 square feet	
Roll-Out Roofing	Pitched Roof Over Ladder	450 square feet	
Roof Field	Section #1 Roof	1,800 square feet	The roof was not accessible due to fire damage and must be assumed positive unless tested and proven to be asbestos free.

SECTION #3 (Interior)

ACBM Description	Location (s) in Building	Estimated Quantity	Comments
Sink Insulation	Rear Offices & Labs (See Map)	5 sinks	1 sink is present in the 2nd floor office.
9x9 Floor Tiles	- Hall Outside Lab (See Map) - Laboratory (See Map)	- 80 square feet - 500 square feet	There are two layers of tile, both must be removed as asbestos containing.
Tar Coated Wood	Acid Storage (See Map)	N/A	There is a pile of tar coated roofing debris in this area.
Debris Pile	Electrical (See Map)	20 square feet	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
White Debris	Plating Lines	5,000 square feet	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
Fire Doors	See Map	4 doors	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
Aircell Pipe Insulation	- Boiler Room - Rack Plating Area	- 100 linear feet - 3,000 square feet	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free. The majority of the insulation in the Rack Plating area is on the floor due to pipe removal.
Compression Gaskets	- Boiler Room - Main Steam Line	- 20 gaskets - N/A	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
Insulation Debris	Boiler Room	800 square feet	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.

Sheet Rock & Joint Compound	Interior Partition Walls & Ceilings	N/A	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.

SECTION #2 (Interior)

ACBM Description	Location (s) in Building	Estimated Quantity	Comments
12x12 FT & Mastic	- 1st Floor Offices - 2nd Floor Offices	- 504 square feet - N/A	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free. The 2nd Floor has fallen through due to a large fire and is not accessible.
Sheet Rock & Joint Compound	Interior Partition Walls & Ceilings	N/A	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
2x4 Ceiling Tiles	- 1st Floor Offices - 2nd Floor Offices	- 504 square feet - N/A	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free. The 2nd Floor has fallen through due to a large fire and is not accessible.
Residual on Pipe Elbows	Front Offices	N/A	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
Gaskets & Insulation	Red Kilns	450 square feet	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
Stair Tread Adhesive	Stairs to 2nd Floor	80 square feet	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
Building Debris	2nd Floor Offices, Storage Area, Waste, Waste and Acid Waste	3,000 square feet	The 2nd floor and roof has fallen through due to a large fire and is not accessible. All items not sampled must be assumed asbestos containing unless it is sampled and proven to be asbestos free.

SECTION #1 (Interior)

ACBM Description	Location (s) in Building	Estimated Quantity	Comments
Sink Insulation	2nd Floor	1 sink	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
12x12 Gray FT & Mastic	2nd Floor	480 square feet	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
2x4 RF Ceiling Tile	2nd Floor	480 square feet	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
Ceiling Tile Adhesive	2nd Floor Skylight	15 square feet	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
Cove Base Adhesive	- 2nd Floor - 1st Floor Office	- 94 linear feet - 50 linear feet	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
Gaskets & Insulation	Kiln	450 square feet	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.

12x12 White FT & Mastic	1st Floor Office	130 square feet	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
Sheet Rock & Joint Compound	1st Floor Office	626 square feet	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
Vibration Cloth	See Map	<3 square feet	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
Styrofoam w/ Black Mastic	Loose in Bins (See Map)	N/A	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.
Yellow Leveler	Raw Material & Product Storage Area	N/A	Samples were not submitted for this material. The material must be assumed asbestos containing unless it is sampled and found to be asbestos free.

INVENTORY OF NON-ASBESTOS CONTAINING MATERIALS:

EXTERIOR

- Roof Penetration Flashing Cement
- Garage Door Caulk
- Window Putty/Glazing
- Section #2 & #3 Built-up Roofing
- Door & Window Caulk
-
- Silver Roofing
- Façade Mortar

SECTION #3

- 2x4 RF Ceiling Tiles
- 12x12 Floor Tile Adhesive
- Floor Debris in Block Oxide Room
- Cove Base Adhesive
- 9x9 Floor Tile Mastic
- Roof Debris in Acid Storage
- 12x12 Floor Tile
- 1x1 Ceiling Tiles
-

LIMITATIONS

HYGENIX, Inc. has performed its services, within the limits prescribed by our clients, with the usual thoroughness and competence of the industrial hygiene profession.

The findings in this report are based upon observations and information available to the inspector during the time of the rendering of the services as described in this report and are based on procedures currently required by applicable laws, regulations and ordinances. HYGENIX cannot be responsible for conditions or materials the inspector did not observe due to lack of access or was not otherwise reasonably observable. The conclusions in this report are professional opinions based solely upon these findings. The findings and conclusions are intended exclusively for the purpose outlined herein within the scope of work and at the site location and project indicated.

This report is for the sole use of the client. The scope of work performed in execution of this inspection may not be appropriate to satisfy the needs of other users and any reuse of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of said user.

James Twitchell

09/19/08
Date

APPENDIX A

PLM BULK ASBESTOS ANALYSIS REPORTS

AMERI SCI

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Hygenix, Inc.
Attn: Robert Brown
49 Woodside Street

Stamford, CT 06902

Date Received 09/12/08 **AmeriSci Job #** 208092387
Date Examined 09/17/08 **P.O. #**
Page 1 **of** 12
RE: Metcalf & Eddy; 80 Hastings Street; Bridgeport, CT

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09-09-01 1	208092387-01 **Location:** Roof Perimeter Edge/Flashing/Cement	*Yes*	3 % (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 3.0 % **Other Material:** Cellulose 20 %, Non-fibrous 77 %			
09-09-02	208092387-02 **Location:** Roof Perimeter Edge/Flashing/Cement		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
09-09-03 1	208092387-03 **Location:** Roof Perimeter Edge/Flashing/Cement		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
09-09-04 2	208092387-04 **Location:** Roof Penetrations/Flashing/Cement	*Yes*	Trace (<1 %) [1] (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <1. % **Other Material:** Cellulose Trace, Synthetic fibers 12 %, Non-fibrous 88 %			
09-09-05 2	208092387-05 **Location:** Roof Penetrations/Flashing/Cement	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 10 %, Synthetic fibers 5 %, Non-fibrous 85 %			

See Reporting notes on last page

AmeriSci Job #: **208092387**
Client Name: Hygenix, Inc.

PLM Bulk Asbestos Report

Metcalf & Eddy; 80 Hastings Street; Bridgeport, CT

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09-09-06 2	208092387-06 **Location:** Roof Penetrations/Flashing/Cement	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 8 %, Synthetic fibers 5 %, Non-fibrous 87 %			
09-09-07 3	208092387-07 **Location:** Roof Main/Built-Up Roofing	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 5 %, Fibrous glass 2 %, Non-fibrous 93 %			
09-09-08	208092387-08 **Location:** Roof Main/Built-Up Roofing	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20 %, Non-fibrous 80 %			
09-09-09 3	208092387-09 **Location:** Roof Main/Built-Up Roofing	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 10 %, Non-fibrous 90 %			
09-09-10 4	208092387-10 **Location:** Roof Top Layer/Silver Roofing	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Silver/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Synthetic fibers 10 %, Non-fibrous 90 %			
09-09-11 4	208092387-11 **Location:** Roof Top Layer/Silver Roofing	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Silver/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Synthetic fibers 15 %, Non-fibrous 85 %			

See Reporting notes on last page

AmeriSci Job #: **208092387**
Client Name: Hygenix, Inc.

PLM Bulk Asbestos Report

Metcalf & Eddy; 80 Hastings Street; Bridgeport, CT

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09-09-12 4	208092387-12 **Location:** Roof Top Layer/Silver Roofing	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Silver/Black Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Synthetic fibers 15 %, Non-fibrous 85 %			
09-09-13 5	208092387-13 **Location:** Ladder Overhang/Roll Out Roofing	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 10 %, Non-fibrous 90 %			
09-09-14	208092387-14 **Location:** Ladder Overhang/Roll Out Roofing	*Yes*	2 % (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 2.0 % **Other Material:** Cellulose 5 %, Non-fibrous 93 %			
09-09-15 5	208092387-15 **Location:** Ladder Overhang/Roll Out Roofing		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
09-09-16 6	208092387-16 **Location:** Garage Door/Caulk	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-17 6	208092387-17 **Location:** Garage Door/Caulk	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

AmeriSci Job #: **208092387**
Client Name: Hygenix, Inc.

PLM Bulk Asbestos Report

Metcalf & Eddy; 80 Hastings Street; Bridgeport, CT

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09-09-18 6	208092387-18 **Location:** Garage Door/Caulk	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-19 7	208092387-19 **Location:** Door & Windows/Caulk	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Grey/Red, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-20	208092387-20 **Location:** Door & Windows/Caulk	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Grey/Red, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-21 7	208092387-21 **Location:** Door & Windows/Caulk	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-22 8	208092387-22 **Location:** Exterior Facade/Mortar	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-23 8	208092387-23 **Location:** Exterior Facade/Mortar	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

AmeriSci Job #: **208092387**
Client Name: Hygenix, Inc.

PLM Bulk Asbestos Report

Metcalf & Eddy; 80 Hastings Street; Bridgeport, CT

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09-09-24 8	208092387-24 **Location:** Exterior Facade/Mortar	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Red, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-25 9	208092387-25 **Location:** Exterior Windows/Putty/Glazing	*Yes*	Trace (<1 %) [1] (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <1. % **Other Material:** Non-fibrous 100 %			
09-09-26	208092387-26 **Location:** Exterior Windows/Putty/Glazing	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-27 9	208092387-27 **Location:** Exterior Windows/Putty/Glazing	*Yes*	Trace (<1 %) [1] (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Tan/Grey, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <1. % **Other Material:** Non-fibrous 100 %			
09-09-28 10	208092387-28 **Location:** Section #3/2x4 RF CT	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 50 %, Fibrous glass 20 %, Non-fibrous 30 %			
09-09-29 10	208092387-29 **Location:** Section #3/2x4 RF CT	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 50 %, Fibrous glass 20 %, Non-fibrous 30 %			

See Reporting notes on last page

AmeriSci Job #: **208092387**
Client Name: Hygenix, Inc.

PLM Bulk Asbestos Report

Metcalf & Eddy; 80 Hastings Street; Bridgeport, CT

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09-09-30 10	208092387-30 **Location:** Section #3 - 2nd Floor/2x4 RF CT	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 50 %, Fibrous glass 20 %, Non-fibrous 30 %			
09-09-31 11	208092387-31 **Location:** Section #3/Sink Insulation	*Yes*	5 % (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Pink, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 5.0 % **Other Material:** Cellulose 2 %, Non-fibrous 93 %			
09-09-32	208092387-32 **Location:** Section #3/Sink Insulation		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
09-09-33 11	208092387-33 **Location:** Section #3/Sink Insulation		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
09-09-34 12	208092387-34 **Location:** Section #3/Cove Base Adhesive	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-35 12	208092387-35 **Location:** Section #3/Cove Base Adhesive	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

AmeriSci Job #: **208092387**
Client Name: Hygenix, Inc.

PLM Bulk Asbestos Report

Metcalf & Eddy; 80 Hastings Street; Bridgeport, CT

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09-09-36 12	208092387-36 **Location:** Section #3 - 2nd Floor/Cove Base Adhesive	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-37 13	208092387-37 **Location:** Section #3/Adhesive	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 3 %, Non-fibrous 97 % **Comment:**			
09-09-38 14	208092387-38 **Location:** Section #3/12x12 Floor Tile	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-39 13	208092387-39 **Location:** Section #3/Adhesive	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-40 14	208092387-40 **Location:** Section #3/12x12 Floor Tile	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

AmeriSci Job #: **208092387**
Client Name: Hygenix, Inc.

PLM Bulk Asbestos Report

Metcalf & Eddy; 80 Hastings Street; Bridgeport, CT

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09-09-41 13	208092387-41 **Location:** Section #3 - 2nd Floor/Adhesive	***No***	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-42 14	208092387-42 **Location:** Section #3 - 2nd Floor/12x12 Floor Tile	***No***	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Tan/Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-43	208092387-43 **Location:** Section #3/Mastic	***No***	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-44 16	208092387-44 **Location:** Section #3/9x9 Gray FT	***Yes***	3 % (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 3.0 % **Other Material:** Non-fibrous 97 %			
09-09-45 17	208092387-45 **Location:** Section #3/Mastic	***No***	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 2 %, Non-fibrous 98 %			
09-09-46 18	208092387-46 **Location:** Section #3/9x9 White FT	***Yes***	5 % (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 5.0 % **Other Material:** Non-fibrous 95 %			

See Reporting notes on last page

AmeriSci Job #: **208092387**
Client Name: Hygenix, Inc.

PLM Bulk Asbestos Report

Metcalf & Eddy; 80 Hastings Street; Bridgeport, CT

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09-09-47 15	208092387-47 **Location:** Section #3/Mastic	***No***	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-48 16	208092387-48 **Location:** Section #3/9x9 Gray FT		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
09-09-49 17	208092387-49 **Location:** Section #3/Mastic	***No***	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
09-09-50 18	208092387-50 **Location:** Section #3/9x9 White FT		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
09-09-51 15	208092387-51 **Location:** Section #3/Mastic	***No***	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-52 16	208092387-52 **Location:** Section #3/9x9 Gray FT		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			

See Reporting notes on last page

AmeriSci Job #: 208092387
Client Name: Hygenix, nc.

PLM Bulk Asbestos Report

Metcalf & Eddy; 80 Hastings Street; Bridgeport, CT

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09-09-53 17	208092387-53 **Location:** Section #3/Mastic	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-54 18	208092387-54 **Location:** Section #3/9x9 White FT		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
09-09-55 19	208092387-55 **Location:** Section #3/1x1 Ceiling Tile	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 60 %, Fibrous glass 10 %, Non-fibrous 30 %			
09-09-56 19	208092387-56 **Location:** Section #3/1x1 Ceiling Tile	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 60 %, Fibrous glass 10 %, Non-fibrous 30 %			
09-09-57 19	208092387-57 **Location:** Section #3/1x1 Ceiling Tile	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 60 %, Fibrous glass 10 %, Non-fibrous 30 %			
09-09-58 20	208092387-58 **Location:** Section #3 - Block Oxide/Debris	*No*	NAD [2] (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Brown/White Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

AmeriSci Job #: **208092387**
Client Name: Hygenix, Inc.

PLM Bulk Asbestos Report

Metcalf & Eddy; 80 Hastings Street; Bridgeport, CT

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09-09-59 20	208092387-59 **Location:** Section #3 - Block Oxide/Debris	*No*	NAD [2] (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-60 20	208092387-60 **Location:** Section #3 - Block Oxide/Debris	*No*	NAD [2] (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
09-09-61	208092387-61 **Location:** Section #3 - Acid Storage/Roof Debris	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 10 %, Non-fibrous 90 %			
09-09-62 21	208092387-62 **Location:** Section #3 - Acid Storage/Roof Debris	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15 %, Non-fibrous 85 %			
09-09-63 21	208092387-63 **Location:** Section #3 - Acid Storage/Roof Debris	*No*	NAD (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15 %, Non-fibrous 85 %			
09-09-64 22	208092387-64 **Location:** Section #3 - Acid Storage/Tar Coated Wood	*Yes*	5 % (by CVES) by Bella J. Chernis on 09/17/08
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 5.0 % **Other Material:** Non-fibrous 95 %			

See Reporting notes on last page

AmeriSci Job #: **208092387**
Client Name: Hygenix, Inc.

PLM Bulk Asbestos Report

Metcalf & Eddy; 80 Hastings Street; Bridgeport, CT

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
09-09-65	208092387-65		NA/PS
22	**Location:** Section #3 - Acid Storage/Tar Coated Wood		
Analyst Description: Bulk Materia			
Asbestos Types:			
Other Material:			
09-09-66	208092387-66		NA/PS
22	**Location:** Section #3 - Acid Storage/Tar Coated Wood		
Analyst Description: Bulk Materia			
Asbestos Types:			
Other Material:			

Reporting Notes:

(1) TEM confirmation of PLM results recommended

(2) Analysis Results For Soil, Dust, Or Debris May Be Highly Variable Because Of The Heterogeneous Nature Of These Samples

Analyzed by: Bella J. Chemis Bella Chemis

*NAD/NSD =no asbestos detected; NA = not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200546-0), ELAP PLM Method 198.1 for NY friable samples or 198.6 for NOB samples (NY ELAP Lab ID11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile,FR 59.146,38970,8/1/94). National Institute of Standards and Technology accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab. This PLM report relates ONLY to the items tested. AIHA Lab # 102843.

Reviewed By:_____

END OF REPORT

BULK SAMPLE LOG

Client: Metcalf & Eddy

Site: 80 Hastings Street

Bridgeport, CT

Type: PLM

Tech: JT

Date: 09/09/08

HYGENIX, Inc.

Environmental Consulting & Laboratory Services
39 Woodside Street
Stamford, CT 06902
(203) 324-2222 (phone) (203) 324-3876 (fax)

LAB ID#	SAMPLE #	SAMPLING LOCATION	DESCRIPTION	QTY.	RESULT
	~~09-09-01~~	Roof Perimeter Edge	Flashing/Cement		
	09-09-02	"	"		
	09-09-03	"	"		
	09-09-04	Roof Penetrations	Flashing/Cement		
	09-09-05	"	"		
	09-09-06	"	"		
	09-09-07	Roof Main	Built-up Roofing		
	09-09-08	"	"		
	09-09-09	"	"		
	~~09-09-10~~	Roof Top Layer	Silver Roofing		
	09-09-11	"	"		
	09-09-12	"	"		
	09-09-13	Ladder Overhang	Roll Out Roofing		
	09-09-14	"	"		
	09-09-15	"	"		
	09-09-16	Garage Door	Caulk		
	09-09-17	"	"		
	09-09-18	"	"		

CHAIN OF CUSTODY

Relinquished By:	Date/Time:	Received By:	Date/Time:
			9/12 1048

Notes: 5 Day TAT. Till Positive

Please e-mail results to jtwitchell@hygenix.com

208092387-

BULK SAMPLE LOG

Client: Metcalf & Eddy

Site: 80 Hastings Street

Bridgeport, CT

Type: PLM

Tech: JT

Date: 09/09/08

HYGENIX, Inc.

Environmental Consulting & Laboratory Services
29 Woodside Street
Stamford, CT 06902
(203) 324-2222 (phone) (203) 324-3876 (fax)

LAB ID#	SAMPLE #	SAMPLING LOCATION	DESCRIPTION	QTY.	RESULT
	09-09-19	Door & Windows	Caulk		
	09-09-20	"	" 7		
	09-09-21	"	"		
	09-09-22	Exterior Façade	Mortar		
	09-09-23	"	" 8		
	09-09-24	"	"		
	09-09-25	Exterior Windows	Putty/Glazing		
	09-09-26	"	" 9		
	09-09-27	"	"		
	09-09-28	Section #3	2x4 RF CT		
	09-09-29	"	" 10		
	09-09-30	Section #3 - 2nd Floor	"		
	09-09-31	Section #3	Sink Insulation		
	09-09-32	"	" 11		
	09-09-33	"	"		
	09-09-34	Section #3	Cove Base Adhesive		
	09-09-35	"	" 12		
	09-09-36	Section #3 – 2nd Floor	"		

Notes: 5 Day TAT. Till Positive

Please e-mail results to jtwitchell@hygenix.com

CHAIN OF CUSTODY

Relinquished By:	Date/Time:	Received By:	Date/Time:
			9/12

1048

208092387-

BULK SAMPLE LOG

Client: Metcalf & Eddy

Site: 80 Hastings Street

Bridgeport, CT

Type: PLM

Tech: JT

Date: 09/09/08

HYGENIX, Inc.

Environmental Consulting & Laboratory Services
79 Woodside Street
Stamford, CT 06902
(203) 324-2222 (phone) (203) 324-3876 (fax)

LAB ID#	SAMPLE #	SAMPLING LOCATION
	09-09-37	Section #3
	09-09-38	"
	09-09-39	"
	09-09-40	"
	09-09-41	Section #3 – 2nd Floor
	09-09-42	"
	09-09-43	Section #3
	09-09-44	"
	09-09-45	"
	09-09-46	"
	09-09-47	"
	09-09-48	"
	09-09-49	"
	09-09-50	"
	09-09-51	"
	09-09-52	"
	09-09-53	"
	09-09-54	"

DESCRIPTION	QTY.	RESULT
Adhesive	13	
12x12 Floor Tile	14	
Adhesive	13	
12x12 Floor Tile	14	
Adhesive	13	
12x12 Floor Tile	14	
Mastic	15	
9x9 Gray FT	16	
Mastic	17	
9x9 White FT	18	
Mastic	15	
9x9 Gray FT	16	
Mastic	17	
9x9 White FT	18	
Mastic	15	
9x9 Gray FT	16	
Mastic	17	
9x9 White FT	18	

Notes: 5 Day TAT. Till Positive

Please e-mail results to jtwitchell@hygenix.co

CHAIN OF CUSTODY

Relinquished By:	Date/Time:	Received By:	Date/Time:
			9/12 1542

2080923387-

BULK SAMPLE LOG

Client: Metcalf & Eddy

Site: 80 Hastings Street

Bridgeport, CT

Type: PLM

Tech: JT

Date: 09/09/08

HYG NIX, Inc.

Environmental Consulting & boratory Services
Woodside Street
mford, CT 06902
(203) 324-2222 (phone) (3) 324-3876 (fax)

LAB ID#	SAMPLE #	SAMPLING LOCATION	DESCRIPTION	QTY.	RESULT
	09-09-55	Section #3	1x1 Ceiling Tile		
	09-09-56	"	"	19	
	09-09-57	"	"		
	09-09-58	Section #3 – Black Oxide	Debris		
	09-09-59	"	"	20	
	09-09-60	"	"		
	09-09-61	Section #3 – Acid Storage	Roof Debris		
	09-09-62	"	"	21	
	09-09-63	"	"		
	09-09-64	Section #3 – Acid Storage	Tar Coated Wood		
	09-09-65	"	"	22	
	09-09-66	"	"		
	[redacted]	[redacted]	[redacted]		

CHAIN OF CUSTODY

Relinquished By:	Date/Time:	Received By:	Date/Time:
			9/12

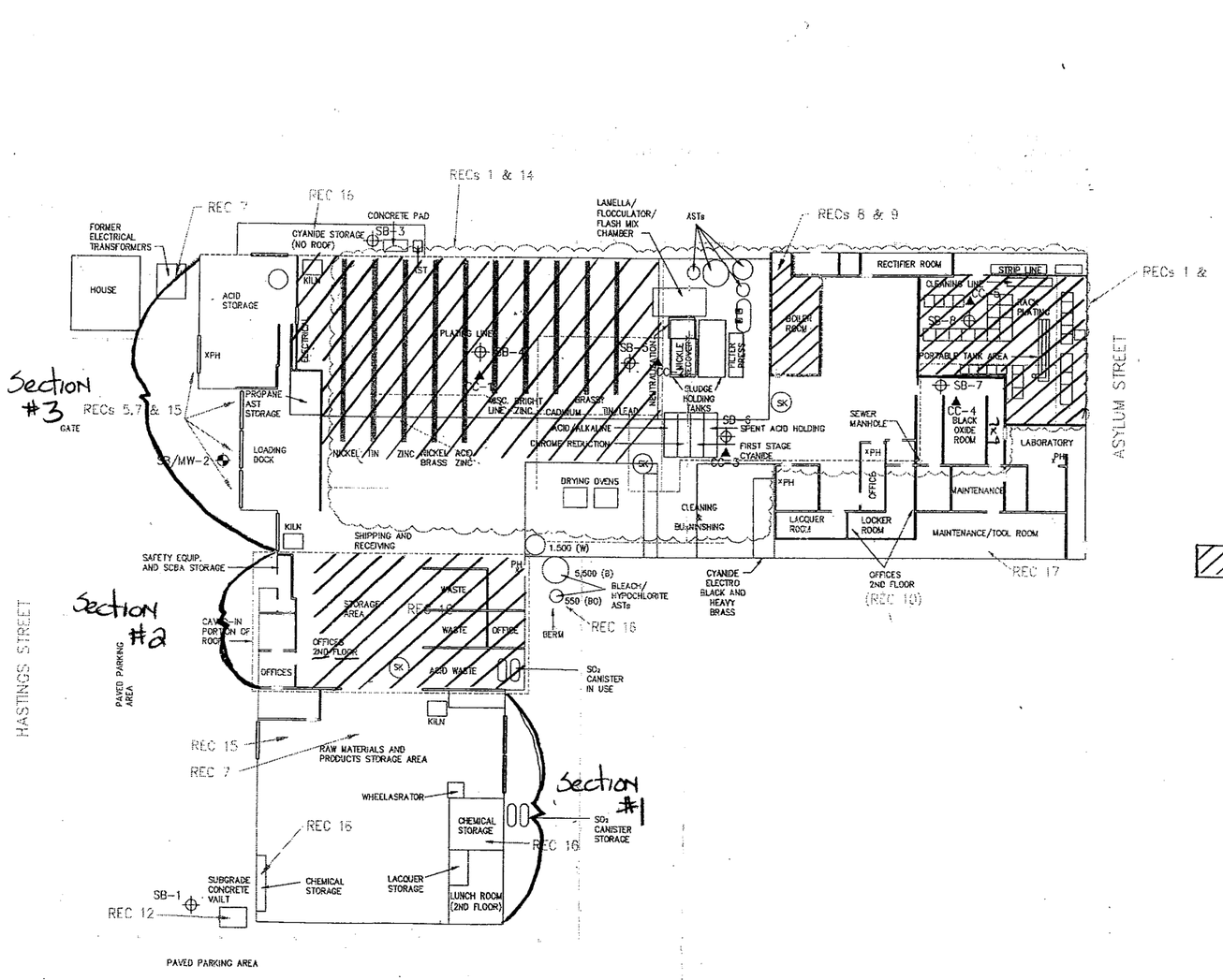
Notes: 5 Day TAT. Till Positive

Please e-mail results to jtwitchell@hygenix.com

COC

APPENDIX B

SITE MAPS



▨ - Suspect Asbestos Debris

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTION

REVISIONS

DESIGNED BY: R. [illegible]
DRAWN BY: C. [illegible]
DEPT. CHECK: J. [illegible]
PROJ. CHECK: L. [illegible]

SCALE:

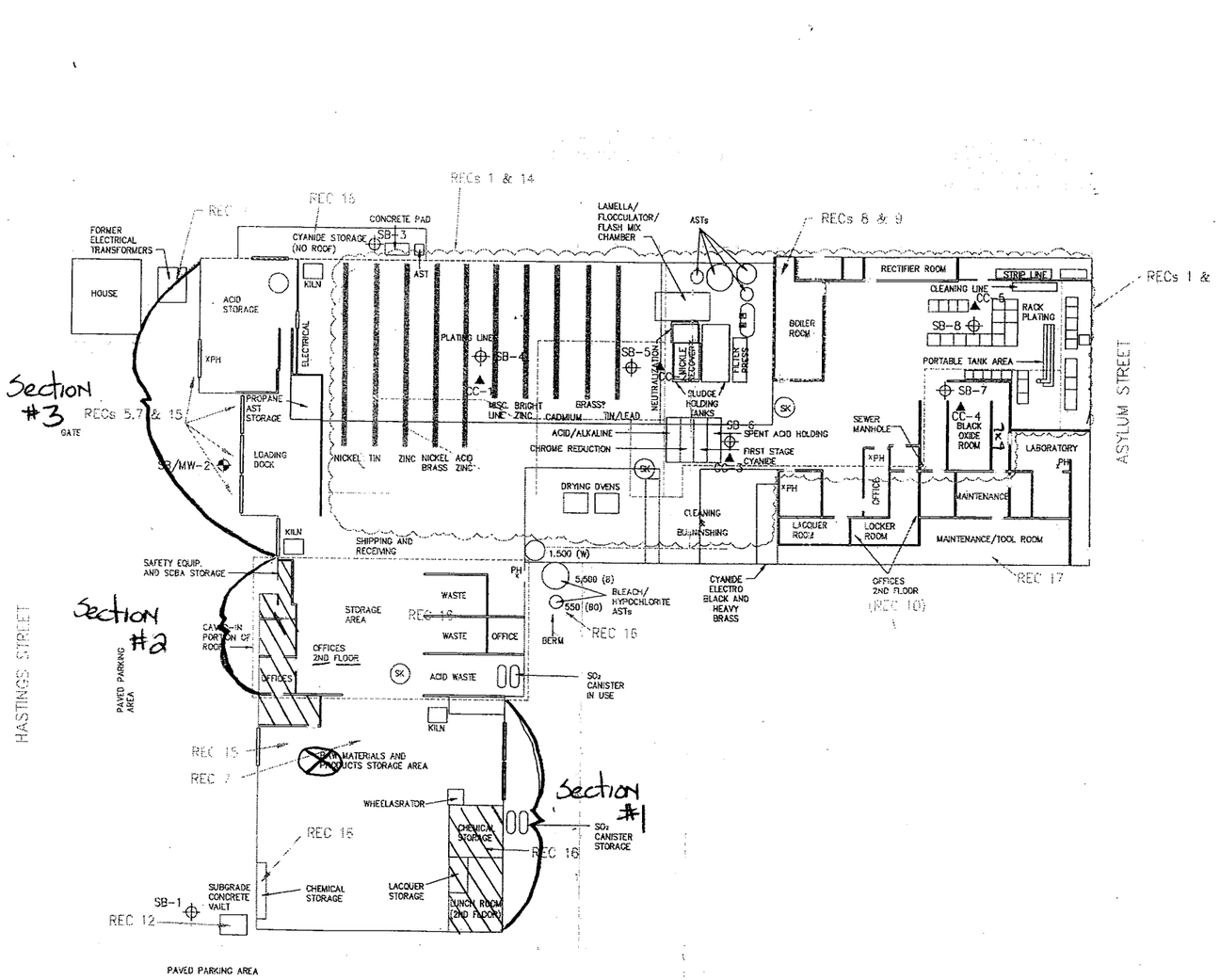
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

Asbestos Locations

CIVIL — JULY 2008

JOB 60045450
FILE NO.
CAD FILE QAPP/CBBIR001
SHEET

PATH/FILENAME: 45459-BRI\C\QAPP\CBBIR001.DWG
LAST UPDATED: Thursday, July 10, 2008 4:36:20 PM
PLOT DATED: Thursday, July 10, 2008 4:52:21 PM
ANSI D — 3-8-05



▨ - 2x4 Ceiling Tiles + Cove Base

⊗ - Styrofoam w/ Black Adhesive

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTION

REVISIONS

DESIGNED BY:
DRAWN BY:
DEPT. CHECK:
PROJ. CHECK:

SCALE:

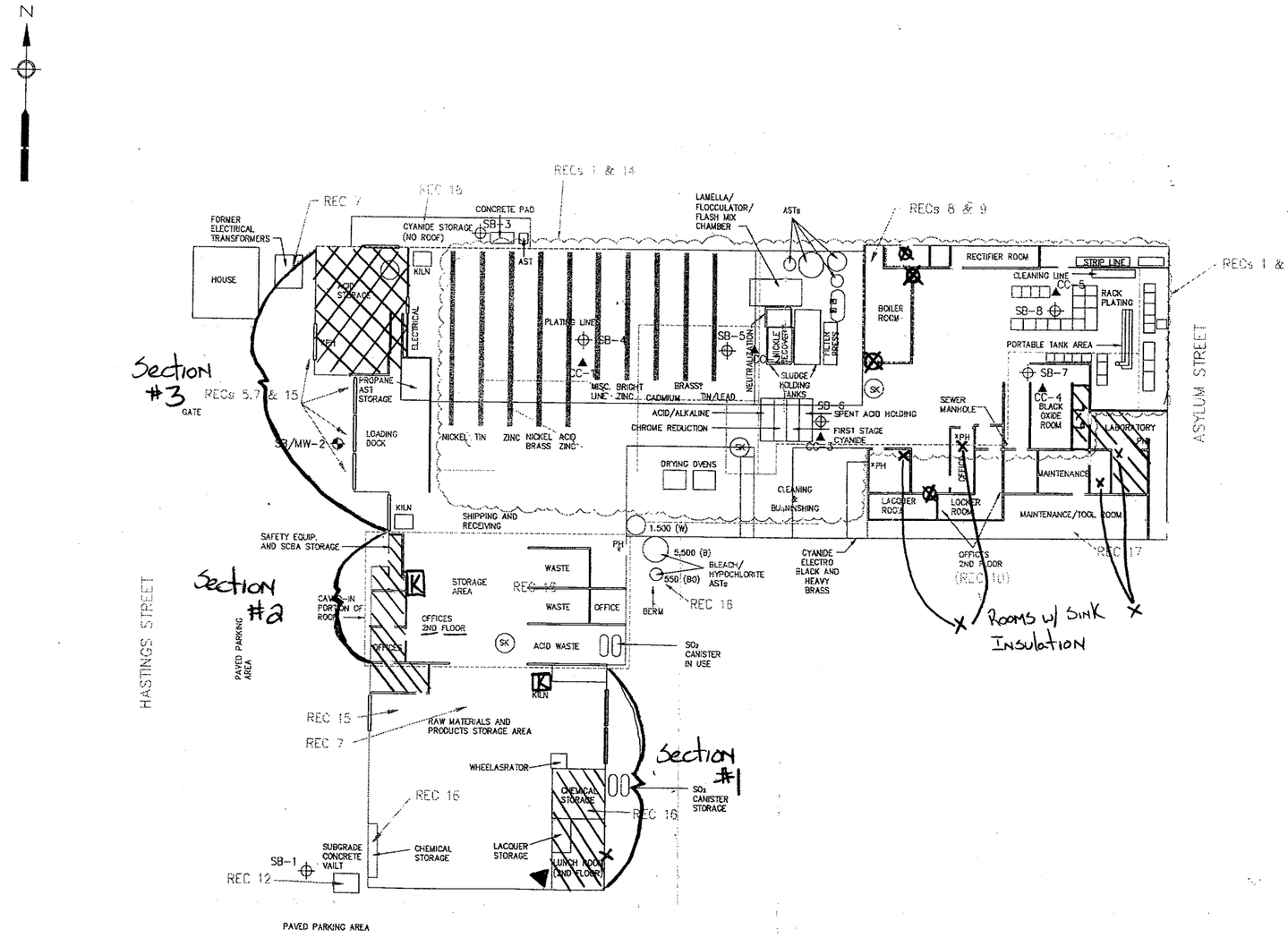
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

Asbestos Locations

CML JULY 2008

JOB 60045450
FILE NO.
CAD FILE QAPP/CBBIR001
SHEET

PATH/FILENA: ...\60450-BR\C\QAPP\CBBIR001.DWG
LAST UPDATED: Thursday, July 10, 2008 4:36:00 PM
PLOT DATE: Thursday, July 10, 2008 4:52:21 PM
ANSI D - 3-8-05



- ⊠ ⊥ Fire Doors
- X ⊥ Sink Insulation
- ▼ - Vibration Cloth
- [K] - Kiln Insulation
- ▨ - Floor Tile + Mastic
- ⊠ - Tar Coated Wood

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

ANSI D — 3-8-05

PATH/FILENAME: \\SG-SHR1\C\QAPP\CBBIR001.DWG
LAST UPDATED: July 10, 2008 4:36:20 PM
PLOT DATE: Thursday, July 10, 2008 4:52:21 PM

DESIGNED BY:
DRAWN BY:
DEPT. CHECK:
PROJ. CHECK:

SCALE:

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

Asbestos Locations

CIVIL — JULY 2008

JOB 60045450
FILE NO.
CAD FILE QAPP/CBBIR001
SHEET

Appendix F

Hygenix Pre-Demolition Lead-Based Paint Screening Report

HYGENIX, Inc. *49 Woodside Street Stamford, CT 06902* *(203) 324-3635*

PRE-DEMOLITION LEAD-BASED PAINT SCREENING

INSPECTION SITE:	80 Hastings Street Bridgeport, CT
CLIENT:	Metcalf & Eddy, Inc. An AECOM Company 860 North Main Street Ext. Wallingford, CT 06492 Attn.: Lucas Hellerich
INSPECTOR:	James Twitchell (CT Lead Inspector/Risk Assessor - 001822)
INSPECTION DATE:	September 9, 2008
SITE INFORMATION:	
Type of Buildings:	Commercial
Type of Survey:	Pre-Demolition Lead Screening
# of Samples:	49

BACKGROUND

James M. Twitchell performed the pre-demolition lead-based paint screening, for the above mentioned building, on September 9, 2008. The purpose of the inspection is to give a general idea as to the presence and location of lead-based paint (LBP) on the interior and exterior surfaces of the buildings and determine if TCLP lead samples are required. The lead content of the paint on building components was analyzed at the site using an X-Ray Fluorescence Analyzer (Niton XL).

INTRODUCTION

Paint containing high levels of lead has been widely used on houses, apartments and commercial buildings. Although lead-based paint was phased out during the 1970's, many buildings constructed before this time still contain layers of the older lead-based paint.

Exposure to lead-based paint may cause a variety of adverse health effects. Children are particularly susceptible to the effects of lead exposure and may suffer subtle learning deficiencies from ingestion of lead paint chips and/or inhalation of lead dust. Extensive regulations have been developed by State and Federal agencies to address the problem of lead exposure in homes, in child day care facilities, in the workplace, and in the environment.

XRF LEAD-BASED PAINT SCREENING SURVEY (see Attachment 1)

The lead content of paint was tested on the interior and exterior of the buildings using an X-Ray Fluorescence Analyzer (Niton Model XL).

The Niton analyzer is a screening device capable of measuring the lead content of surfaces covered with multiple layers of paint. The Niton XL readings are not affected by the composition of the substrate materials. Each time the Niton XL is turned on, an electronic calibration is automatically performed. Prior to testing and periodically throughout the survey, the calibration of the analyzer is checked on a surface with a known lead concentration.

Protocols for the assessment of lead in paint are outlined in guidelines published by the US Department of Housing and Urban Development (HUD) and in regulations enforced by Connecticut Department of Health Services (CT-DOHS). In accordance with these protocols, the results of testing with the Niton XL may be interpreted as follows:

Toxic Levels of Lead = Readings greater than or equal to 1.0 mg/cm2*

*Note: OSHA does not currently define a threshold level of lead in paint, which may cause exposure above the action level (AL) and/or permissible exposure limit (PEL). OSHA requires exposure monitoring when lead is identified in paint at any amount to determine lead dust levels.

RESULTS

Of the 49 readings collected at the site, seven (7) of them were for calibrating the machine and two (2) surface was identified as lead containing. All similar surfaces, to those found to be lead containing and not tested, should be assumed positive for lead. The following is a list of items that were identified as lead containing:

1. Section #3 – Interior Window Casing
2. Section #3 – Interior Concrete Walls
3. Section #3 – Interior Brick Walls (This material tested at 0.87 which is just below the limit of 1.0.

The results of this survey are shown on the attached XRF data sheet and the general location of positive samples is noted on the attached maps.

LIMITATIONS

HYGENIX, Inc. has performed its services, within the limits prescribed by our clients, with the usual thoroughness and competence of the industrial hygiene profession.

The findings in this report are based upon observations and information available to the inspector during the time of the rendering of the services as described in this report and are based on procedures currently required by applicable laws, regulations and ordinances. HYGENIX cannot be responsible for conditions or materials the inspector did not observe due to lack of access or was not otherwise reasonably observable. The conclusions in this report are professional opinions based solely upon these findings. The findings and conclusions are intended exclusively for the purpose outlined herein within the scope of work and at the site location and project indicated.

This report is for the sole use of the client. The scope of work performed in execution of this inspection may not be appropriate to satisfy the needs of other users and any reuse of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of said user.

Inspector _____ Date 09/19/08

XRF FIELD DATA
80 HASTINGS STEET
BRIDGEPORT, CT

Serial #XL309-U698NR8351 Site: 80 Hastings Street, Bridgeport, CT Date: 9/9/2008

No	XLNo	Site	Insp	Side	Room	Source	Sub	Feat	Date/Time	Cycle	Result	Pbc ± Prec
2	**2**		**JMT**		**Calibrate**				**9/9/2008 14:45:28**	**1 of 1**	**POS**	**1.17 ± 0.20**
3	**3**		**JMT**		**Calibrate**				**9/9/2008 14:46:02**	**1 of 1**	**POS**	**2.08 ± 0.51**
4	**4**		**JMT**		**Calibrate**				**9/9/2008 14:46:26**	**1 of 1**	**POS**	**1.31 ± 0.30**
5	5		JMT	A	Section #1	Wall	Concrte		9/9/2008 14:49:18	1 of 1	NEG	0.00 ± 0.01
6	6		JMT	B	Section #1	Wall	Concrte		9/9/2008 14:49:54	1 of 1	NEG	0.00 ± 0.02
7	7		JMT	C	Section #1	Wall	Concrte		9/9/2008 14:50:36	1 of 1	NEG	0.00 ± 0.07
8	8		JMT	D	Section #1	Wall	Concrte		9/9/2008 14:51:13	1 of 1	NEG	0.00 ± 0.04
9	9		JMT	B	Section #1	Door	Wood		9/9/2008 14:51:45	1 of 1	NEG	0.00 ± 0.01
10	10		JMT	C	Section #1	Door	Wood	Casing	9/9/2008 14:52:16	1 of 1	NEG	0.00 ± 0.02
11	11		JMT	C	Section #1	Door	Metal	Jamb	9/9/2008 14:52:36	1 of 1	NEG	0.22 ± 0.16
12	12		JMT	D	Section #1	Stairs	Metal		9/9/2008 14:53:35	1 of 1	NEG	0.01 ± 0.02
13	13		JMT	B	Section #1	I-Beam	Metal		9/9/2008 14:54:22	1 of 1	NEG	0.00 ± 0.01
14	14		JMT	B	Section #1	Railing	Metal		9/9/2008 14:55:01	1 of 1	NEG	0.00 ± 0.01
15	15		JMT	A	Section #2	Wall	Drywall		9/9/2008 14:55:38	1 of 1	NEG	0.00 ± 0.01
16	16		JMT	A	Section #2	I-Beam	Metal		9/9/2008 14:56:21	1 of 1	NEG	0.17 ± 0.18
17	17		JMT	A	Section #2	Door	Wood		9/9/2008 14:57:09	1 of 1	NEG	0.00 ± 0.04
18	18		JMT	A	Section #2	Door	Metal	Casing	9/9/2008 14:57:29	1 of 1	NEG	0.00 ± 0.01
19	19		JMT	A	Section #2	Wall	Concrte		9/9/2008 14:58:16	1 of 1	NEG	0.01 ± 0.10
20	20		JMT	C	Section #2	Wall	Concrte		9/9/2008 14:59:08	1 of 1	NEG	0.00 ± 0.02
21	21		JMT	A	Section #2	Door	Metal	Jamb	9/9/2008 14:59:46	1 of 1	NEG	0.09 ± 0.30
22	22		JMT	A	Section #3	Wall	Concrte		9/9/2008 15:00:20	1 of 1	NEG	0.00 ± 0.09
23	23		JMT	A	Section #3	Wall	Concrte		9/9/2008 15:01:02	1 of 1	NEG	0.02 ± 0.20
24	24		JMT	B	Section #3	Wall	Concrte		9/9/2008 15:01:43	1 of 1	NEG	0.00 ± 0.05
25	25		JMT	B	Section #3	Wall	Concrte		9/9/2008 15:02:07	1 of 1	NEG	0.00 ± 0.11
	26		JMT	C	Section #3	Wall	Concrte		9/9/2008 15:03:52	1 of 1	NEG	0.03 ± 0.16
	27		JMT	C	Section #3	Wall	Concrte		9/9/2008 15:04:21	1 of 1	NEG	-0.46 ± 0.92
28	28		JMT	C	Section #3	I-Beam	Metal		9/9/2008 15:05:20	1 of 1	NEG	0.06 ± 0.36
29	29		JMT	C	Section #3	I-Beam	Metal		9/9/2008 15:05:46	1 of 1	NEG	0.00 ± 0.03
30	30		JMT	C	Section #3	Door	Wood	Jamb	9/9/2008 15:06:10	1 of 1	NEG	0.00 ± 0.02
31	**31**		**JMT**	**C**	**Section #3**	**Window**	**Wood**	**Casing**	**9/9/2008 15:06:32**	**1 of 1**	**POS**	**1.82 ± 0.63**
32	32		JMT		Section #3	Interior Wall	Brick		9/9/2008 15:07:21	1 of 1	NEG	0.87 ± 0.37
33	**33**		**JMT**		**Section #3**	**Interior Wall**	**Concrte**		**9/9/2008 15:10:52**	**1 of 1**	**POS**	**1.65 ± 0.59**
34	34		JMT	C	Section #3	Window	Wood	Casing	9/9/2008 15:12:15	1 of 1	NEG	0.00 ± 0.02
35	35		JMT	C	Section #3	Shelves	Wood		9/9/2008 15:12:32	1 of 1	NEG	0.15 ± 0.29
36	36		JMT		Section #3	Interior Wall	Wood		9/9/2008 15:12:59	1 of 1	NEG	0.01 ± 0.23
37	37		JMT	D	Section #3	Door	Wood	Jamb	9/9/2008 15:14:27	1 of 1	NEG	0.00 ± 0.04
38	38		JMT	D	Section #3	Wall	Concrte		9/9/2008 15:15:25	1 of 1	NEG	0.02 ± 0.33
39	39		JMT	D	Section #3	Wall	Concrte		9/9/2008 15:15:42	1 of 1	NEG	0.12 ± 0.15
40	40		JMT		Section #3	I-Beam	Metal		9/9/2008 15:16:16	1 of 1	NEG	0.00 ± 0.01
41	41		JMT		Section #3	I-Beam	Metal		9/9/2008 15:16:52	1 of 1	NEG	0.06 ± 0.40
42	42		JMT		Section #3	I-Beam	Metal		9/9/2008 15:17:37	1 of 1	NEG	0.00 ± 0.01
43	43		JMT		Section #3	I-Beam	Metal		9/9/2008 15:18:11	1 of 1	NEG	0.01 ± 0.22
44	44		JMT		Exterior	Wall	Concrte		9/9/2008 15:19:36	1 of 1	NEG	0.03 ± 0.13
45	45		JMT		Exterior	Wall	Concrte		9/9/2008 15:20:09	1 of 1	NEG	0.01 ± 0.14
46	46		JMT		Exterior	Wall	Concrte		9/9/2008 15:20:34	1 of 1	NEG	0.02 ± 0.14
47	**47**		**JMT**		**Calibrate**				**9/9/2008 15:21:42**	**1 of 1**	**POS**	**1.11 ± 0.13**
48	**48**		**JMT**		**Calibrate**				**9/9/2008 15:22:15**	**1 of 1**	**POS**	**1.74 ± 0.34**
49	**49**		**JMT**		**Calibrate**				**9/9/2008 15:22:49**	**1 of 1**	**POS**	**1.18 ± 0.27**

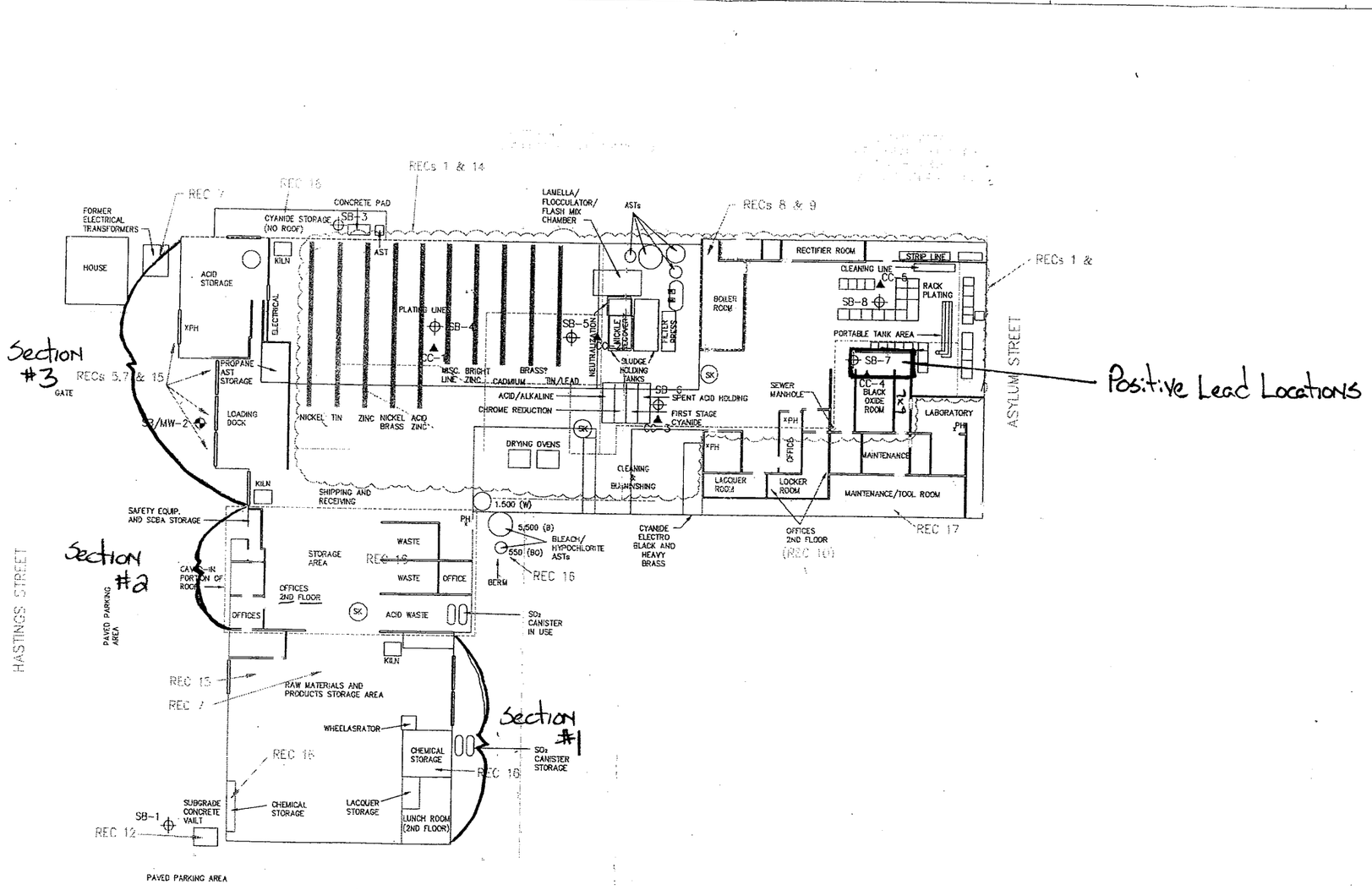
SIDE A = STREET SIDE (WEST)

SIDE B = NORTH

SIDE C = EAST

SIDE D = SOUTH

SITE DRAWING
80 HASTINGS STEET
BRIDGEPORT, CT



NUMBER	DATE	MADE BY	CHECKED	DESCRIPTION
				REVISIONS

DESIGNED BY:
DRAWN BY:
DEPT. CHECK:
PROJ. CHECK:

SCALE:

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CML JULY 2008

JOB 60045450
FILE NO.
CAD FILE QAPP/CBBIR001
SHEET

PATH/FILENAME: ASD-BIR\G\QAPP\CBBIR001.DWG
LAST UPDATED: Thursday, July 10, 2008 4:36:20 PM
PLOT DATE: Thursday, July 10, 2008 4:52:21 PM
ANSI D - 1-8-05

Appendix G

Laboratory Analytical Data

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 9/19/2008

METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492
ATTN: LUCAS HELLERICH

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19446
JOB NUMBER: 60045450.02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

PROJECT LOCATION: BRIDGEPORT, CT

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
CC-1	08B36124	SOLID	Not Specified	metals(13pp)sicp	
CC-1	08B36124	SOLID	Not Specified	solids (percent)	
CC-2	08B36125	SOLID	Not Specified	metals(13pp)sicp	
CC-2	08B36125	SOLID	Not Specified	solids (percent)	
CC-3	08B36126	SOLID	Not Specified	metals(13pp)sicp	
CC-3	08B36126	SOLID	Not Specified	solids (percent)	
COMP-1	08B36120	SOIL	Not Specified	cyanide-tot sldg	
COMP-1	08B36120	SOIL	Not Specified	metals(15pp)sicp	
COMP-1	08B36120	SOIL	Not Specified	pah - sludge	
COMP-1	08B36120	SOIL	Not Specified	solids (percent)	
COMP-2	08B36121	SOIL	Not Specified	metals(15pp)sicp	
COMP-2	08B36121	SOIL	Not Specified	pah - sludge	
COMP-2	08B36121	SOIL	Not Specified	solids (percent)	
EB	08B36123	WATER OTHE	Not Specified	6020 h2o 14rcp	
EB	08B36123	WATER OTHE	Not Specified	8260 water	
EB	08B36123	WATER OTHE	Not Specified	hg (mg/l) wet	
SB-01	08B36111	SOIL	Not Specified	8260 dry weight	
SB-01	08B36111	SOIL	Not Specified	etph dry weight	
SB-01	08B36111	SOIL	Not Specified	metals(15pp)sicp	
SB-01	08B36111	SOIL	Not Specified	solids (percent)	
SB-01D	08B36112	SOIL	Not Specified	etph dry weight	
SB-01D	08B36112	SOIL	Not Specified	metals(15pp)sicp	
SB-01D	08B36112	SOIL	Not Specified	solids (percent)	
SB-02	08B36113	SOIL	Not Specified	8260 dry weight	
SB-02	08B36113	SOIL	Not Specified	etph dry weight	
SB-02	08B36113	SOIL	Not Specified	metals(15pp)sicp	
SB-02	08B36113	SOIL	Not Specified	solids (percent)	
SB-03	08B36114	SOIL	Not Specified	cyanide-tot sldg	
SB-05B	08B36115	SOIL	Not Specified	cyanide-tot sldg	
SB-05B	08B36115	SOIL	Not Specified	metals(15pp)sicp	
SB-05B	08B36115	SOIL	Not Specified	solids (percent)	
SB-06B	08B36116	SOIL	Not Specified	cyanide-tot sldg	
SB-06B	08B36116	SOIL	Not Specified	metals(15pp)sicp	
SB-06B	08B36116	SOIL	Not Specified	solids (percent)	
SB-06D	08B36117	SOIL	Not Specified	8260 dry weight	
SB-06D	08B36117	SOIL	Not Specified	etph dry weight	
SB-06D	08B36117	SOIL	Not Specified	solids (percent)	

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 9/19/2008

METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492
ATTN: LUCAS HELLERICH

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19446
JOB NUMBER: 60045450.02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

SB-09B	08B36119	SOIL	Not Specified	cyanide-tot sldg
SB-09B	08B36119	SOIL	Not Specified	metals(15pp)sicp
SB-09B	08B36119	SOIL	Not Specified	solids (percent)
SB-16	08B36118	SOIL	Not Specified	8260 dry weight
SB-16	08B36118	SOIL	Not Specified	solids (percent)
TB	08B36122	SOLID	Not Specified	8260 solid

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 9/19/2008

METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492
ATTN: LUCAS HELLERICH

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19446
JOB NUMBER: 60045450.02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.
Comments :

LIMS BATCH NO. : LIMT-19446

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2° as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 8260 soil, initial and/or continuing calibration did not meet method specifications. For all samples, Acetone, tert-Butylalcohol, 2-Butanone, Tetrahydrofuran, and 1,4-Dioxane were calibrated with a relative response factor <0.05.

In method 8260 soil, any reported result for Naphthalene in all samples is estimated and likely to be biased on the low side based on continuing calibration bias.

In method 8260 low level water, initial and/or continuing calibration did not meet method specifications. For sample 08B36123, 1,4-Dioxane and tert-Butylalcohol were calibrated with a relative response factor <0.05.

In method 8260 low level water, any reported result for Bromoform and trans-1,4-Dichloro-2-butene in sample 08B36123 is estimated and likely to be biased on the low side based on continuing calibration bias.

In method 8260 low level water, any reported result for Bromoform and trans-1,4-Dichloro-2-butene in sample 08B36123 is likely to be biased on the low side based on laboratory fortified blank (laboratory control sample) and duplicate recovery bias.

In method SW846-6010, the method blanks for Zinc are above the reporting limit. Any reported result for Zinc may be biased on the high side.

In method 6020, the LFB recovery was outside of control limits for Ag. Any reported result for Ag is likely to be biased on the low side. The matrix spike recovery was outside of control limits for Ag. Possibility of sample matrix effects that lead to low bias cannot be eliminated and is likely.

There are no other analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846 8260 SOIL - ADDITIONAL COMMENTS

The LCS recoveries for required CT reasonable confidence protocol (RCP) 8260 compounds were all within limits specified by the method except for "difficult analytes" where control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative:
Difficult analytes: MIBK, MEK, Tetrachloroethylene, Tert-butyl Alcohol, Acetone, 1,4-Dioxane, Vinyl Chloride, Chloromethane, Dichlorodifluoromethane, 2-Hexanone, Naphthalene, and Bromomethane.
Additional difficult analytes in water only: 2,2-Dichloropropane, and Tert-butylethyl Ether
Additional difficult analytes in soil only: Acrylonitrile, Chloroethane, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, Methylene Chloride, n-Butylbenzene, and Tert-butylbenzene.
Compounds outside of control limits:

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REPORT DATE 9/19/2008

METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492
ATTN: LUCAS HELLERICH

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19446
JOB NUMBER: 60045450.02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

In method 8260 soil, data is not affected by laboratory fortified blank (laboratory control sample) recovery outlier(s) for Carbon disulfide since all results are "not detected" and recovery bias is on the high side.

METHOD SW846 7470/7471A -- ADDITIONAL COMMENTS

A sample duplicate and matrix spike were run for water sample 08B36123. Sample duplicate is not reported due to non-detected sample and duplicate results.

A sample duplicate and matrix spike were run for soil sample 08B36116.

METHOD SW846 8260 LOW LEVEL WATER - ADDITIONAL COMMENTS

In method 8260 low level water, for Chloromethane in sample 08b36123, data is not affected by continuing calibration non-conformance since bias is on the high side and all results are "not detected".

The LCS recoveries for required CT reasonable confidence protocol (RCP) 8260 compounds were all within limits specified by the method except for "difficult analytes" where control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative.
Difficult analytes: MIBK, MEK, Tetrachloroethylene, Tert-butyl Alcohol, Acetone, 1,4-Dioxane, Vinyl Chloride, Chloromethane, Bromomethane, Naphthalene, 2,2-Dichloropropane, Dichlorodifluoromethane, 2-Hexanone, and Tert-butylethyl Ether

In method 8260 low level water, data is not affected by laboratory fortified blank (laboratory control sample) and duplicate recovery outlier(s) for Carbon disulfide in sample 08B36123 since all results are "not detected" and recovery bias is on the high side.

All reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless listed below: All other reporting limits were met.

METHOD SW846 8270 SOLID - ADDITIONAL COMMENTS

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative:
Difficult analytes for soil - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3'-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine
Compounds outside of control limits: None outside of control limits

In method 8270 solid, only PAH compounds were requested and reported.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless specified below: All other requested reporting limits are met.

METHOD SW846 9014 - ADDITIONAL COMMENT

Dilutions were performed on the following samples:

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REPORT DATE 9/19/2008

METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492
ATTN: LUCAS HELLERICH

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19446
JOB NUMBER: 60045450.02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

Sample	Dilution(s)
08B36114	2x
08B36115	10x
08B36119	5x
08B36120	5x

A matrix spike and a matrix spike duplicate were performed on sample 08B36116.

CT ETPH METHOD - ADDITIONAL COMMENTS

All CT ETPH samples were analyzed undiluted unless specified below:
No dilutions were performed.

METHOD SW846-6010 - ADDITIONAL COMMENTS

Samples were all analyzed undiluted or
reason for dilution is specified

Sample	Dilution	Element
08B36125	x20	Ni
	undilute	most
08B36126	x20	Ni
	undilute	most

Sample(s) 08B36125 and 08B36126 were diluted because undiluted results were over the verified linear calibration range for Ni.

METHOD SW846-6020 - ADDITIONAL COMMENTS

The CCV recovery for Ag was outside control limits. Data is not affected since the recovery bias was on the high side and samples were "non detect" for Ag.

A matrix spike and duplicate were performed on sample 08B36123.
Duplicate results were not reported for Ag, As, Ba, Be, Cd, Cr, Cu, Ni, Sb, Se, V, and Zn due to "non detect" sample and duplicate results for those elements.

The duplicate RPD for Tl was outside of control limits. Reduced precision expected for result values near detection limit.

Only Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl, V, and Zn were requested and reported.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

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REPORT DATE 9/19/2008

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WALLINGFORD, CT 06492
ATTN: LUCAS HELLERICH

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19446
JOB NUMBER: 60045450.02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 9/22/08

SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Douglas Sheeley
Laboratory Manager

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample

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METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

9/19/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : EB

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36123

‡Sampled : 9/9/2008
Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	ug/L	ND	09/19/08	KMT	5.00			
Arsenic	ug/L	ND	09/19/08	KMT	2.00			
Barium	ug/L	ND	09/19/08	KMT	250			
Beryllium	ug/L	ND	09/19/08	KMT	2.00			
Cadmium	ug/L	ND	09/19/08	KMT	2.50			
Chromium	ug/L	ND	09/19/08	KMT	50.0			
Copper	ug/L	ND	09/19/08	KMT	25.0			
Lead	ug/L	5.62	09/19/08	KMT	5.00			
Nickel	ug/L	ND	09/19/08	KMT	25.0			
Selenium	ug/L	ND	09/19/08	KMT	25.0			
Silver	ug/L	ND	09/19/08	KMT	2.50			
Thallium	ug/L	2.91	09/19/08	KMT	1.00			
Vanadium	ug/L	ND	09/19/08	KMT	25.0			
Zinc	ug/L	ND	09/19/08	KMT	100			

Analytical Method:
SW846 6020
SAMPLES ARE ANALYZED BY ICP/MS

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-01

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36111

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	09/10/08	MFF	0.053			
Acrylonitrile	mg/kg dry wt	ND	09/10/08	MFF	0.006			
tert-Amylmethyl Ether	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Benzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromochloromethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromodichloromethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromoform	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromomethane	mg/kg dry wt	ND	09/10/08	MFF	0.006			
2-Butanone (MEK)	mg/kg dry wt	ND	09/10/08	MFF	0.022			
tert-Butyl Alcohol	mg/kg dry wt	ND	09/10/08	MFF	0.022			
n-Butylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
sec-Butylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
tert-Butylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
tert-Butylethyl Ether	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Carbon Disulfide	mg/kg dry wt	ND	09/10/08	MFF	0.006			
Carbon Tetrachloride	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Chlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Chlorodibromomethane	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Chloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.011			
Chloroform	mg/kg dry wt	ND	09/10/08	MFF	0.003			
Chloromethane	mg/kg dry wt	ND	09/10/08	MFF	0.006			
2-Chlorotoluene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
4-Chlorotoluene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dibromoethane	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Dibromomethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,3-Dichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			

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WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-01

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36111

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,4-Dichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
Dichlorodifluoromethane	mg/kg dry wt	ND	09/10/08	MFF	0.011			
1,1-Dichloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dichloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1-Dichloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dichloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,3-Dichloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.001			
2,2-Dichloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1-Dichloropropene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	09/10/08	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Diethyl Ether	mg/kg dry wt	ND	09/10/08	MFF	0.011			
Diisopropyl Ether	mg/kg dry wt	ND	09/10/08	MFF	0.001			
1,4-Dioxane	mg/kg dry wt	ND	09/10/08	MFF	0.053			
Ethyl Benzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Hexachlorobutadiene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
2-Hexanone	mg/kg dry wt	ND	09/10/08	MFF	0.011			
Isopropylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
p-Isopropyltoluene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
MTBE	mg/kg dry wt	ND	09/10/08	MFF	0.003			
Methylene Chloride	mg/kg dry wt	ND	09/10/08	MFF	0.011			
MIBK	mg/kg dry wt	ND	09/10/08	MFF	0.011			
Naphthalene	mg/kg dry wt	ND	09/10/08	MFF	0.006			
n-Propylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Styrene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

9/19/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-01

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36111

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Tetrachloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Tetrahydrofuran	mg/kg dry wt	ND	09/10/08	MFF	0.006			
Toluene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
1,1,1-Trichloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1,2-Trichloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Trichloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Trichlorofluoromethane	mg/kg dry wt	ND	09/10/08	MFF	0.006			
1,2,3-Trichloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	09/10/08	MFF	0.006			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Vinyl Chloride	mg/kg dry wt	ND	09/10/08	MFF	0.006			
m + p Xylene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
o-Xylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			

Analytical Method:
SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-02
Sample ID : 08B36113
‡Sampled : 9/8/2008
Not Specified
Sample Matrix: SOIL

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	09/10/08	MFF	0.053			
Acrylonitrile	mg/kg dry wt	ND	09/10/08	MFF	0.006			
tert-Amylmethyl Ether	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Benzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromochloromethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromodichloromethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromoform	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromomethane	mg/kg dry wt	ND	09/10/08	MFF	0.006			
2-Butanone (MEK)	mg/kg dry wt	ND	09/10/08	MFF	0.022			
tert-Butyl Alcohol	mg/kg dry wt	ND	09/10/08	MFF	0.022			
n-Butylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
sec-Butylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
tert-Butylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
tert-Butylethyl Ether	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Carbon Disulfide	mg/kg dry wt	ND	09/10/08	MFF	0.006			
Carbon Tetrachloride	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Chlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Chlorodibromomethane	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Chloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.011			
Chloroform	mg/kg dry wt	ND	09/10/08	MFF	0.003			
Chloromethane	mg/kg dry wt	ND	09/10/08	MFF	0.006			
2-Chlorotoluene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
4-Chlorotoluene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dibromoethane	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Dibromomethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,3-Dichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			

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ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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LUCAS HELLERICH
METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-02

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36113

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,4-Dichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
Dichlorodifluoromethane	mg/kg dry wt	ND	09/10/08	MFF	0.011			
1,1-Dichloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dichloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1-Dichloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dichloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,3-Dichloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.001			
2,2-Dichloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1-Dichloropropene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	09/10/08	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Diethyl Ether	mg/kg dry wt	ND	09/10/08	MFF	0.011			
Diisopropyl Ether	mg/kg dry wt	ND	09/10/08	MFF	0.001			
1,4-Dioxane	mg/kg dry wt	ND	09/10/08	MFF	0.053			
Ethyl Benzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Hexachlorobutadiene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
2-Hexanone	mg/kg dry wt	ND	09/10/08	MFF	0.011			
Isopropylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
p-Isopropyltoluene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
MTBE	mg/kg dry wt	ND	09/10/08	MFF	0.003			
Methylene Chloride	mg/kg dry wt	ND	09/10/08	MFF	0.011			
MIBK	mg/kg dry wt	ND	09/10/08	MFF	0.011			
Naphthalene	mg/kg dry wt	ND	09/10/08	MFF	0.006			
n-Propylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Styrene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			

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LUCAS HELLERICH
METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-02

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36113

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Tetrachloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Tetrahydrofuran	mg/kg dry wt	ND	09/10/08	MFF	0.006			
Toluene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
1,1,1-Trichloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1,2-Trichloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Trichloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Trichlorofluoromethane	mg/kg dry wt	ND	09/10/08	MFF	0.006			
1,2,3-Trichloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	09/10/08	MFF	0.006			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Vinyl Chloride	mg/kg dry wt	ND	09/10/08	MFF	0.006			
m + p Xylene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
o-Xylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			

Analytical Method:
SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

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LUCAS HELLERICH
METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-06D

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36117

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	09/10/08	MFF	0.057			
Acrylonitrile	mg/kg dry wt	ND	09/10/08	MFF	0.006			
tert-Amylmethyl Ether	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Benzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromochloromethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromodichloromethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromoform	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromomethane	mg/kg dry wt	ND	09/10/08	MFF	0.006			
2-Butanone (MEK)	mg/kg dry wt	ND	09/10/08	MFF	0.023			
tert-Butyl Alcohol	mg/kg dry wt	ND	09/10/08	MFF	0.023			
n-Butylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
sec-Butylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
tert-Butylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
tert-Butylethyl Ether	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Carbon Disulfide	mg/kg dry wt	ND	09/10/08	MFF	0.006			
Carbon Tetrachloride	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Chlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Chlorodibromomethane	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Chloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.012			
Chloroform	mg/kg dry wt	ND	09/10/08	MFF	0.003			
Chloromethane	mg/kg dry wt	ND	09/10/08	MFF	0.006			
2-Chlorotoluene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
4-Chlorotoluene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dibromoethane	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Dibromomethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,3-Dichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-06D

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36117

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,4-Dichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
Dichlorodifluoromethane	mg/kg dry wt	ND	09/10/08	MFF	0.012			
1,1-Dichloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dichloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1-Dichloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dichloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,3-Dichloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.001			
2,2-Dichloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1-Dichloropropene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	09/10/08	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Diethyl Ether	mg/kg dry wt	ND	09/10/08	MFF	0.012			
Diisopropyl Ether	mg/kg dry wt	ND	09/10/08	MFF	0.001			
1,4-Dioxane	mg/kg dry wt	ND	09/10/08	MFF	0.057			
Ethyl Benzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Hexachlorobutadiene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
2-Hexanone	mg/kg dry wt	ND	09/10/08	MFF	0.012			
Isopropylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
p-Isopropyltoluene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
MTBE	mg/kg dry wt	ND	09/10/08	MFF	0.003			
Methylene Chloride	mg/kg dry wt	ND	09/10/08	MFF	0.012			
MIBK	mg/kg dry wt	ND	09/10/08	MFF	0.012			
Naphthalene	mg/kg dry wt	ND	09/10/08	MFF	0.006			
n-Propylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Styrene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-06D

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36117

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Tetrachloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Tetrahydrofuran	mg/kg dry wt	ND	09/10/08	MFF	0.006			
Toluene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
1,1,1-Trichloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1,2-Trichloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Trichloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Trichlorofluoromethane	mg/kg dry wt	ND	09/10/08	MFF	0.006			
1,2,3-Trichloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	09/10/08	MFF	0.006			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Vinyl Chloride	mg/kg dry wt	ND	09/10/08	MFF	0.006			
m + p Xylene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
o-Xylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			

Analytical Method:
SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

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LUCAS HELLERICH
METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-16

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36118

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	09/10/08	MFF	0.057			
Acrylonitrile	mg/kg dry wt	ND	09/10/08	MFF	0.006			
tert-Amylmethyl Ether	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Benzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromochloromethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromodichloromethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromoform	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Bromomethane	mg/kg dry wt	ND	09/10/08	MFF	0.006			
2-Butanone (MEK)	mg/kg dry wt	ND	09/10/08	MFF	0.023			
tert-Butyl Alcohol	mg/kg dry wt	ND	09/10/08	MFF	0.023			
n-Butylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
sec-Butylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
tert-Butylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
tert-Butylethyl Ether	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Carbon Disulfide	mg/kg dry wt	ND	09/10/08	MFF	0.006			
Carbon Tetrachloride	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Chlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Chlorodibromomethane	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Chloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.012			
Chloroform	mg/kg dry wt	ND	09/10/08	MFF	0.003			
Chloromethane	mg/kg dry wt	ND	09/10/08	MFF	0.006			
2-Chlorotoluene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
4-Chlorotoluene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dibromoethane	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Dibromomethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,3-Dichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-16

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36118

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,4-Dichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
Dichlorodifluoromethane	mg/kg dry wt	ND	09/10/08	MFF	0.012			
1,1-Dichloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dichloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1-Dichloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2-Dichloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,3-Dichloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.001			
2,2-Dichloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1-Dichloropropene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	09/10/08	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Diethyl Ether	mg/kg dry wt	ND	09/10/08	MFF	0.012			
Diisopropyl Ether	mg/kg dry wt	ND	09/10/08	MFF	0.001			
1,4-Dioxane	mg/kg dry wt	ND	09/10/08	MFF	0.057			
Ethyl Benzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Hexachlorobutadiene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
2-Hexanone	mg/kg dry wt	ND	09/10/08	MFF	0.012			
Isopropylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
p-Isopropyltoluene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
MTBE	mg/kg dry wt	ND	09/10/08	MFF	0.003			
Methylene Chloride	mg/kg dry wt	ND	09/10/08	MFF	0.012			
MIBK	mg/kg dry wt	ND	09/10/08	MFF	0.012			
Naphthalene	mg/kg dry wt	ND	09/10/08	MFF	0.006			
n-Propylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Styrene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			

RL = Reporting Limit

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NM = Not Measured

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METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-16

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36118

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.001			
Tetrachloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Tetrahydrofuran	mg/kg dry wt	ND	09/10/08	MFF	0.006			
Toluene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
1,1,1-Trichloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1,2-Trichloroethane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Trichloroethylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Trichlorofluoromethane	mg/kg dry wt	ND	09/10/08	MFF	0.006			
1,2,3-Trichloropropane	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	09/10/08	MFF	0.006			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	09/10/08	MFF	0.002			
Vinyl Chloride	mg/kg dry wt	ND	09/10/08	MFF	0.006			
m + p Xylene	mg/kg dry wt	ND	09/10/08	MFF	0.003			
o-Xylene	mg/kg dry wt	ND	09/10/08	MFF	0.002			

Analytical Method:
SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

LUCAS HELLERICH
METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : TB

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36122

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOLID

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg	ND	09/10/08	MFF	0.10			
Acrylonitrile	mg/kg	ND	09/10/08	MFF	0.010			
tert-Amylmethyl Ether	mg/kg	ND	09/10/08	MFF	0.001			
Benzene	mg/kg	ND	09/10/08	MFF	0.002			
Bromobenzene	mg/kg	ND	09/10/08	MFF	0.002			
Bromochloromethane	mg/kg	ND	09/10/08	MFF	0.002			
Bromodichloromethane	mg/kg	ND	09/10/08	MFF	0.002			
Bromoform	mg/kg	ND	09/10/08	MFF	0.002			
Bromomethane	mg/kg	ND	09/10/08	MFF	0.010			
2-Butanone (MEK)	mg/kg	ND	09/10/08	MFF	0.040			
tert-Butyl Alcohol	mg/kg	ND	09/10/08	MFF	0.040			
n-Butylbenzene	mg/kg	ND	09/10/08	MFF	0.002			
sec-Butylbenzene	mg/kg	ND	09/10/08	MFF	0.002			
tert-Butylbenzene	mg/kg	ND	09/10/08	MFF	0.002			
tert-Butylethyl Ether	mg/kg	ND	09/10/08	MFF	0.001			
Carbon Disulfide	mg/kg	ND	09/10/08	MFF	0.006			
Carbon Tetrachloride	mg/kg	ND	09/10/08	MFF	0.002			
Chlorobenzene	mg/kg	ND	09/10/08	MFF	0.002			
Chlorodibromomethane	mg/kg	ND	09/10/08	MFF	0.001			
Chloroethane	mg/kg	ND	09/10/08	MFF	0.020			
Chloroform	mg/kg	ND	09/10/08	MFF	0.004			
Chloromethane	mg/kg	ND	09/10/08	MFF	0.010			
2-Chlorotoluene	mg/kg	ND	09/10/08	MFF	0.002			
4-Chlorotoluene	mg/kg	ND	09/10/08	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg	ND	09/10/08	MFF	0.002			
1,2-Dibromoethane	mg/kg	ND	09/10/08	MFF	0.001			
Dibromomethane	mg/kg	ND	09/10/08	MFF	0.002			
1,2-Dichlorobenzene	mg/kg	ND	09/10/08	MFF	0.002			
1,3-Dichlorobenzene	mg/kg	ND	09/10/08	MFF	0.002			

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Purchase Order No.:

Project Location: BRIDGEPORT, CT
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Field Sample # : TB

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36122

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOLID

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,4-Dichlorobenzene	mg/kg	ND	09/10/08	MFF	0.002			
trans-1,4-Dichloro-2-Butene	mg/kg	ND	09/10/08	MFF	0.004			
Dichlorodifluoromethane	mg/kg	ND	09/10/08	MFF	0.020			
1,1-Dichloroethane	mg/kg	ND	09/10/08	MFF	0.002			
1,2-Dichloroethane	mg/kg	ND	09/10/08	MFF	0.002			
1,1-Dichloroethylene	mg/kg	ND	09/10/08	MFF	0.004			
cis-1,2-Dichloroethylene	mg/kg	ND	09/10/08	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg	ND	09/10/08	MFF	0.002			
1,2-Dichloropropane	mg/kg	ND	09/10/08	MFF	0.002			
1,3-Dichloropropane	mg/kg	ND	09/10/08	MFF	0.001			
2,2-Dichloropropane	mg/kg	ND	09/10/08	MFF	0.002			
1,1-Dichloropropene	mg/kg	ND	09/10/08	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg	ND	09/10/08	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg	ND	09/10/08	MFF	0.001			
Diethyl Ether	mg/kg	ND	09/10/08	MFF	0.020			
Diisopropyl Ether	mg/kg	ND	09/10/08	MFF	0.020			
1,4-Dioxane	mg/kg	ND	09/10/08	MFF	0.10			
Ethyl Benzene	mg/kg	ND	09/10/08	MFF	0.002			
Hexachlorobutadiene	mg/kg	ND	09/10/08	MFF	0.002			
2-Hexanone	mg/kg	ND	09/10/08	MFF	0.020			
Isopropylbenzene	mg/kg	ND	09/10/08	MFF	0.002			
p-Isopropyltoluene	mg/kg	ND	09/10/08	MFF	0.002			
MTBE	mg/kg	ND	09/10/08	MFF	0.004			
Methylene Chloride	mg/kg	ND	09/10/08	MFF	0.020			
MIBK	mg/kg	ND	09/10/08	MFF	0.020			
Naphthalene	mg/kg	ND	09/10/08	MFF	0.004			
n-Propylbenzene	mg/kg	ND	09/10/08	MFF	0.002			
Styrene	mg/kg	ND	09/10/08	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg	ND	09/10/08	MFF	0.002			

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WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : TB

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36122

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOLID

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1,2,2-Tetrachloroethane	mg/kg	ND	09/10/08	MFF	0.001			
Tetrachloroethylene	mg/kg	ND	09/10/08	MFF	0.002			
Tetrahydrofuran	mg/kg	ND	09/10/08	MFF	0.010			
Toluene	mg/kg	ND	09/10/08	MFF	0.002			
1,2,3-Trichlorobenzene	mg/kg	ND	09/10/08	MFF	0.002			
1,2,4-Trichlorobenzene	mg/kg	ND	09/10/08	MFF	0.010			
1,1,1-Trichloroethane	mg/kg	ND	09/10/08	MFF	0.002			
1,1,2-Trichloroethane	mg/kg	ND	09/10/08	MFF	0.002			
Trichloroethylene	mg/kg	ND	09/10/08	MFF	0.002			
Trichlorofluoromethane	mg/kg	ND	09/10/08	MFF	0.010			
1,2,3-Trichloropropane	mg/kg	ND	09/10/08	MFF	0.002			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg	ND	09/10/08	MFF	0.010			
1,2,4-Trimethylbenzene	mg/kg	ND	09/10/08	MFF	0.002			
1,3,5-Trimethylbenzene	mg/kg	ND	09/10/08	MFF	0.002			
Vinyl Chloride	mg/kg	ND	09/10/08	MFF	0.010			
m + p Xylene	mg/kg	ND	09/10/08	MFF	0.004			
o-Xylene	mg/kg	ND	09/10/08	MFF	0.002			

Analytical Method:
SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

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METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : EB

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36123

‡Sampled : 9/9/2008
Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	ug/l	ND	09/11/08	MFF	5.0			
Acrylonitrile	ug/l	ND	09/11/08	MFF	2.0			
tert-Amylmethyl Ether	ug/l	ND	09/11/08	MFF	0.5			
Benzene	ug/l	ND	09/11/08	MFF	0.5			
Bromobenzene	ug/l	ND	09/11/08	MFF	0.5			
Bromochloromethane	ug/l	ND	09/11/08	MFF	0.5			
Bromodichloromethane	ug/l	ND	09/11/08	MFF	0.5			
Bromoform	ug/l	ND	09/11/08	MFF	0.5			
Bromomethane	ug/l	ND	09/11/08	MFF	0.5			
2-Butanone (MEK)	ug/l	ND	09/11/08	MFF	2.0			
tert-Butyl Alcohol	ug/l	ND	09/11/08	MFF	5.0			
n-Butylbenzene	ug/l	ND	09/11/08	MFF	0.5			
sec-Butylbenzene	ug/l	ND	09/11/08	MFF	0.5			
tert-Butylbenzene	ug/l	ND	09/11/08	MFF	0.5			
tert-Butylethyl Ether	ug/l	ND	09/11/08	MFF	0.5			
Carbon Disulfide	ug/l	ND	09/11/08	MFF	0.5			
Carbon Tetrachloride	ug/l	ND	09/11/08	MFF	0.5			
Chlorobenzene	ug/l	ND	09/11/08	MFF	0.5			
Chlorodibromomethane	ug/l	ND	09/11/08	MFF	0.5			
Chloroethane	ug/l	ND	09/11/08	MFF	0.5			
Chloroform	ug/l	ND	09/11/08	MFF	0.5			
Chloromethane	ug/l	ND	09/11/08	MFF	0.5			
2-Chlorotoluene	ug/l	ND	09/11/08	MFF	0.5			
4-Chlorotoluene	ug/l	ND	09/11/08	MFF	0.5			
1,2-Dibromo-3-Chloropropane	ug/l	ND	09/11/08	MFF	0.5			
1,2-Dibromoethane	ug/l	ND	09/11/08	MFF	0.50			
Dibromomethane	ug/l	ND	09/11/08	MFF	0.5			
1,2-Dichlorobenzene	ug/l	ND	09/11/08	MFF	0.5			
1,3-Dichlorobenzene	ug/l	ND	09/11/08	MFF	0.5			

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : EB

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36123

‡Sampled : 9/9/2008
Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,4-Dichlorobenzene	ug/l	ND	09/11/08	MFF	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	09/11/08	MFF	0.5			
Dichlorodifluoromethane	ug/l	ND	09/11/08	MFF	0.5			
1,1-Dichloroethane	ug/l	ND	09/11/08	MFF	0.5			
1,2-Dichloroethane	ug/l	ND	09/11/08	MFF	0.5			
1,1-Dichloroethylene	ug/l	ND	09/11/08	MFF	0.5			
cis-1,2-Dichloroethylene	ug/l	ND	09/11/08	MFF	0.5			
trans-1,2-Dichloroethylene	ug/l	ND	09/11/08	MFF	0.5			
1,2-Dichloropropane	ug/l	ND	09/11/08	MFF	0.5			
1,3-Dichloropropane	ug/l	ND	09/11/08	MFF	0.5			
2,2-Dichloropropane	ug/l	ND	09/11/08	MFF	0.5			
1,1-Dichloropropene	ug/l	ND	09/11/08	MFF	0.5			
cis-1,3-Dichloropropene	ug/l	ND	09/11/08	MFF	0.5			
trans-1,3-Dichloropropene	ug/l	ND	09/11/08	MFF	0.5			
Diethyl Ether	ug/l	ND	09/11/08	MFF	0.5			
Diisopropyl Ether	ug/l	ND	09/11/08	MFF	0.5			
1,4-Dioxane	ug/l	ND	09/11/08	MFF	50.0			
Ethyl Benzene	ug/l	ND	09/11/08	MFF	0.5			
Hexachlorobutadiene	ug/l	ND	09/11/08	MFF	0.4			
2-Hexanone	ug/l	ND	09/11/08	MFF	10.0			
Isopropylbenzene	ug/l	ND	09/11/08	MFF	0.5			
p-Isopropyltoluene	ug/l	ND	09/11/08	MFF	0.5			
MTBE	ug/l	ND	09/11/08	MFF	0.5			
Methylene Chloride	ug/l	ND	09/11/08	MFF	0.5			
MIBK	ug/l	ND	09/11/08	MFF	2.0			
Naphthalene	ug/l	ND	09/11/08	MFF	0.5			
n-Propylbenzene	ug/l	ND	09/11/08	MFF	0.5			
Styrene	ug/l	ND	09/11/08	MFF	0.5			
1,1,1,2-Tetrachloroethane	ug/l	ND	09/11/08	MFF	0.5			

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Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : EB

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36123

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Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1,2,2-Tetrachloroethane	ug/l	ND	09/11/08	MFF	0.5			
Tetrachloroethylene	ug/l	ND	09/11/08	MFF	0.5			
Tetrahydrofuran	ug/l	ND	09/11/08	MFF	5.0			
Toluene	ug/l	ND	09/11/08	MFF	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	09/11/08	MFF	0.5			
1,2,4-Trichlorobenzene	ug/l	ND	09/11/08	MFF	0.5			
1,1,1-Trichloroethane	ug/l	ND	09/11/08	MFF	0.5			
1,1,2-Trichloroethane	ug/l	ND	09/11/08	MFF	0.5			
Trichloroethylene	ug/l	ND	09/11/08	MFF	0.5			
Trichlorofluoromethane	ug/l	ND	09/11/08	MFF	0.5			
1,2,3-Trichloropropane	ug/l	ND	09/11/08	MFF	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	09/11/08	MFF	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	09/11/08	MFF	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	09/11/08	MFF	0.5			
Vinyl Chloride	ug/l	ND	09/11/08	MFF	0.5			
m + p Xylene	ug/l	ND	09/11/08	MFF	1.0			
o-Xylene	ug/l	ND	09/11/08	MFF	0.5			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

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Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Field Sample # : COMP-1
Sample ID : 08B36120 ‡Sampled : 9/8/2008
Not Specified
Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cyanide	mg/kg dry wt	51	09/17/08	VAK	0.74			

Field Sample # : SB-03
Sample ID : 08B36114 ‡Sampled : 9/8/2008
Not Specified
Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cyanide	mg/kg dry wt	32	09/17/08	VAK	0.85			

Field Sample # : SB-05B
Sample ID : 08B36115 ‡Sampled : 9/8/2008
Not Specified
Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cyanide	mg/kg dry wt	190	09/17/08	VAK	0.61			

Field Sample # : SB-06B
Sample ID : 08B36116 ‡Sampled : 9/8/2008
Not Specified
Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cyanide	mg/kg dry wt	3.9	09/17/08	VAK	0.91			

Field Sample # : SB-09B
Sample ID : 08B36119 ‡Sampled : 9/8/2008
Not Specified
Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cyanide	mg/kg dry wt	35	09/17/08	VAK	0.71			

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WALLINGFORD, CT 06492

9/19/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Analytical Method:
MODIFIED SW846 9014
DISTILLATION FOLLOWED BY REACTION WITH CHLORAMINE-T/PYRIDINE-BARBITURIC ACID AND PHOSPHATE BUFFER AND SPECTROPHOTOMETRIC ANALYSIS.

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WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Field Sample # : SB-01

Sample ID : 08B36111 ‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extractable TPH (ETPH)	mg/kg dry weight	430	09/12/08	PJG	120			

Field Sample # : SB-01D

Sample ID : 08B36112 ‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extractable TPH (ETPH)	mg/kg dry weight	580	09/12/08	PJG	120			

Field Sample # : SB-02

Sample ID : 08B36113 ‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extractable TPH (ETPH)	mg/kg dry weight	300	09/12/08	PJG	110			

Field Sample # : SB-06D

Sample ID : 08B36117 ‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extractable TPH (ETPH)	mg/kg dry weight	23	09/17/08	PJG	12			

Analytical Method:
Extractable TPH (CT ETPH)
SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE AND ANALYZED BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION (GC/FID).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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‡ = See attached chain-of-custody record for time sampled

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LUCAS HELLERICH
METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : EB

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36123

‡Sampled : 9/9/2008
Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/l	ND	09/15/08	KM	0.00010			

Analytical Method:
EPA 245.1/SW846 7470
COLD VAPOR TECHNIQUE (FLAMELESS ABSORPTION AT 254 NM)

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Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : CC-1

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36124

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOLID

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	09/18/08	OP	4.14			
Arsenic	mg/kg dry wt	15.8	09/18/08	OP	2.59			
Beryllium	mg/kg dry wt	ND	09/18/08	OP	0.26			
Cadmium	mg/kg dry wt	37.0	09/18/08	OP	0.26			
Chromium	mg/kg dry wt	282	09/18/08	OP	0.52			
Copper	mg/kg dry wt	311	09/18/08	OP	0.52			
Lead	mg/kg dry wt	37.3	09/18/08	OP	0.78			
Mercury	mg/kg dry wt	0.029	09/16/08	KM	0.021			
Nickel	mg/kg dry wt	2220	09/18/08	OP	0.52			
Selenium	mg/kg dry wt	ND	09/18/08	OP	5.17			
Silver	mg/kg dry wt	5.13	09/18/08	OP	0.52			
Thallium	mg/kg dry wt	ND	09/18/08	OP	3.10			
Zinc	mg/kg dry wt	759	09/18/08	OP	1.04			

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WALLINGFORD, CT 06492

9/19/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : CC-2

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36125

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOLID

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	09/18/08	OP	4.11			
Arsenic	mg/kg dry wt	17.5	09/18/08	OP	2.57			
Beryllium	mg/kg dry wt	ND	09/18/08	OP	0.26			
Cadmium	mg/kg dry wt	203	09/18/08	OP	0.26			
Chromium	mg/kg dry wt	513	09/18/08	OP	0.52			
Copper	mg/kg dry wt	4140	09/18/08	OP	0.52			
Lead	mg/kg dry wt	90.2	09/18/08	OP	0.77			
Mercury	mg/kg dry wt	0.091	09/16/08	KM	0.019			
Nickel	mg/kg dry wt	36900	09/18/08	OP	0.52			
Selenium	mg/kg dry wt	ND	09/18/08	OP	5.13			
Silver	mg/kg dry wt	8.02	09/18/08	OP	0.52			
Thallium	mg/kg dry wt	ND	09/18/08	OP	3.08			
Zinc	mg/kg dry wt	4320	09/18/08	OP	1.03			

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WALLINGFORD, CT 06492

9/19/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : CC-3

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36126

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOLID

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	20.9	09/18/08	OP	4.07			
Arsenic	mg/kg dry wt	57.1	09/18/08	OP	2.55			
Beryllium	mg/kg dry wt	ND	09/18/08	OP	0.26			
Cadmium	mg/kg dry wt	387	09/18/08	OP	0.26			
Chromium	mg/kg dry wt	6400	09/18/08	OP	0.51			
Copper	mg/kg dry wt	1590	09/18/08	OP	0.51			
Lead	mg/kg dry wt	947	09/18/08	OP	0.77			
Mercury	mg/kg dry wt	0.357	09/16/08	KM	0.012			
Nickel	mg/kg dry wt	10400	09/18/08	OP	0.51			
Selenium	mg/kg dry wt	ND	09/18/08	OP	5.09			
Silver	mg/kg dry wt	24.0	09/18/08	OP	0.51			
Thallium	mg/kg dry wt	ND	09/18/08	OP	3.05			
Zinc	mg/kg dry wt	4590	09/18/08	OP	1.02			

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9/19/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Analytical Method: Antimony
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Arsenic
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Beryllium
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Cadmium
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Chromium
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Copper
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Lead
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Mercury
SW846 3050/7471
SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY
COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

Analytical Method: Nickel
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Selenium
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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9/19/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Analytical Method: Silver
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Thallium
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Zinc
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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9/19/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : COMP-1

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36120

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	09/18/08	OP	4.38			
Arsenic	mg/kg dry wt	8.07	09/18/08	OP	2.74			
Barium	mg/kg dry wt	59.3	09/18/08	OP	5.48			
Beryllium	mg/kg dry wt	ND	09/18/08	OP	0.28			
Cadmium	mg/kg dry wt	27.1	09/18/08	OP	0.28			
Chromium	mg/kg dry wt	82.7	09/18/08	OP	0.55			
Copper	mg/kg dry wt	152	09/18/08	OP	0.55			
Lead	mg/kg dry wt	163	09/18/08	OP	0.83			
Mercury	mg/kg dry wt	0.059	09/16/08	KM	0.015			
Nickel	mg/kg dry wt	100	09/18/08	OP	0.55			
Selenium	mg/kg dry wt	ND	09/18/08	OP	5.48			
Silver	mg/kg dry wt	3.91	09/18/08	OP	0.55			
Thallium	mg/kg dry wt	ND	09/18/08	OP	3.29			
Vanadium	mg/kg dry wt	20.3	09/18/08	OP	5.48			
Zinc	mg/kg dry wt	330	09/18/08	OP	1.10			

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9/19/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : COMP-2

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36121

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	09/18/08	WHW	4.61			
Arsenic	mg/kg dry wt	12.4	09/18/08	WHW	2.89			
Barium	mg/kg dry wt	47.4	09/18/08	WHW	5.77			
Beryllium	mg/kg dry wt	ND	09/18/08	WHW	0.29			
Cadmium	mg/kg dry wt	15.5	09/18/08	WHW	0.29			
Chromium	mg/kg dry wt	99.8	09/18/08	WHW	0.58			
Copper	mg/kg dry wt	531	09/18/08	WHW	0.58			
Lead	mg/kg dry wt	28.6	09/18/08	WHW	0.87			
Mercury	mg/kg dry wt	ND	09/16/08	KM	0.015			
Nickel	mg/kg dry wt	399	09/18/08	WHW	0.58			
Selenium	mg/kg dry wt	ND	09/18/08	WHW	5.77			
Silver	mg/kg dry wt	4.12	09/18/08	WHW	0.58			
Thallium	mg/kg dry wt	ND	09/18/08	WHW	3.46			
Vanadium	mg/kg dry wt	25.5	09/18/08	WHW	5.77			
Zinc	mg/kg dry wt	91.6	09/18/08	WHW	1.16			

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Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-01

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36111

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	09/18/08	OP	4.54			
Arsenic	mg/kg dry wt	8.32	09/18/08	OP	2.84			
Barium	mg/kg dry wt	338	09/18/08	OP	5.67			
Beryllium	mg/kg dry wt	ND	09/18/08	OP	0.29			
Cadmium	mg/kg dry wt	2.99	09/18/08	OP	0.29			
Chromium	mg/kg dry wt	33.9	09/18/08	OP	0.57			
Copper	mg/kg dry wt	293	09/18/08	OP	0.57			
Lead	mg/kg dry wt	1360	09/18/08	OP	0.85			
Mercury	mg/kg dry wt	0.346	09/16/08	KM	0.018			
Nickel	mg/kg dry wt	49.0	09/18/08	OP	0.57			
Selenium	mg/kg dry wt	ND	09/18/08	OP	5.67			
Silver	mg/kg dry wt	5.08	09/18/08	OP	0.57			
Thallium	mg/kg dry wt	ND	09/18/08	OP	3.40			
Vanadium	mg/kg dry wt	44.1	09/18/08	OP	5.67			
Zinc	mg/kg dry wt	485	09/18/08	OP	1.14			

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Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-01D

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36112

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	09/18/08	OP	4.66			
Arsenic	mg/kg dry wt	8.53	09/18/08	OP	2.91			
Barium	mg/kg dry wt	158	09/18/08	OP	5.82			
Beryllium	mg/kg dry wt	ND	09/18/08	OP	0.30			
Cadmium	mg/kg dry wt	2.39	09/18/08	OP	0.30			
Chromium	mg/kg dry wt	28.0	09/18/08	OP	0.59			
Copper	mg/kg dry wt	298	09/18/08	OP	0.59			
Lead	mg/kg dry wt	710	09/18/08	OP	0.88			
Mercury	mg/kg dry wt	0.462	09/16/08	KM	0.015			
Nickel	mg/kg dry wt	34.4	09/18/08	OP	0.59			
Selenium	mg/kg dry wt	ND	09/18/08	OP	5.82			
Silver	mg/kg dry wt	4.62	09/18/08	OP	0.59			
Thallium	mg/kg dry wt	ND	09/18/08	OP	3.49			
Vanadium	mg/kg dry wt	34.0	09/18/08	OP	5.82			
Zinc	mg/kg dry wt	540	09/18/08	OP	1.17			

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Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-02

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36113

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	09/18/08	OP	4.23			
Arsenic	mg/kg dry wt	14.5	09/18/08	OP	2.64			
Barium	mg/kg dry wt	66.6	09/18/08	OP	5.28			
Beryllium	mg/kg dry wt	ND	09/18/08	OP	0.27			
Cadmium	mg/kg dry wt	1.00	09/18/08	OP	0.27			
Chromium	mg/kg dry wt	19.8	09/18/08	OP	0.53			
Copper	mg/kg dry wt	17.0	09/18/08	OP	0.53			
Lead	mg/kg dry wt	38.8	09/18/08	OP	0.80			
Mercury	mg/kg dry wt	0.026	09/16/08	KM	0.022			
Nickel	mg/kg dry wt	17.2	09/18/08	OP	0.53			
Selenium	mg/kg dry wt	ND	09/18/08	OP	5.28			
Silver	mg/kg dry wt	4.35	09/18/08	OP	0.53			
Thallium	mg/kg dry wt	ND	09/18/08	OP	3.17			
Vanadium	mg/kg dry wt	36.0	09/18/08	OP	5.28			
Zinc	mg/kg dry wt	60.7	09/18/08	OP	1.06			

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WALLINGFORD, CT 06492

9/19/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-05B

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36115

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	8.10	09/18/08	OP	4.64			
Arsenic	mg/kg dry wt	15.8	09/18/08	OP	2.90			
Barium	mg/kg dry wt	83.5	09/18/08	OP	5.80			
Beryllium	mg/kg dry wt	ND	09/18/08	OP	0.29			
Cadmium	mg/kg dry wt	986	09/18/08	OP	0.29			
Chromium	mg/kg dry wt	1020	09/18/08	OP	0.58			
Copper	mg/kg dry wt	304	09/18/08	OP	0.58			
Lead	mg/kg dry wt	79.9	09/18/08	OP	0.87			
Mercury	mg/kg dry wt	0.029	09/16/08	KM	0.017			
Nickel	mg/kg dry wt	189	09/18/08	OP	0.58			
Selenium	mg/kg dry wt	ND	09/18/08	OP	5.80			
Silver	mg/kg dry wt	4.77	09/18/08	OP	0.58			
Thallium	mg/kg dry wt	ND	09/18/08	OP	3.48			
Vanadium	mg/kg dry wt	27.6	09/18/08	OP	5.80			
Zinc	mg/kg dry wt	1870	09/18/08	OP	1.16			

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‡ = See attached chain-of-custody record for time sampled

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

LUCAS HELLERICH
METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

9/19/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-06B

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36116

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	09/18/08	OP	4.58			
Arsenic	mg/kg dry wt	11.0	09/18/08	OP	2.87			
Barium	mg/kg dry wt	57.9	09/18/08	OP	5.73			
Beryllium	mg/kg dry wt	ND	09/18/08	OP	0.29			
Cadmium	mg/kg dry wt	47.9	09/18/08	OP	0.29			
Chromium	mg/kg dry wt	123	09/18/08	OP	0.58			
Copper	mg/kg dry wt	470	09/18/08	OP	0.58			
Lead	mg/kg dry wt	10.4	09/18/08	OP	0.86			
Mercury	mg/kg dry wt	0.020	09/16/08	KM	0.012			
Nickel	mg/kg dry wt	290	09/18/08	OP	0.58			
Selenium	mg/kg dry wt	ND	09/18/08	OP	5.73			
Silver	mg/kg dry wt	7.49	09/18/08	OP	0.58			
Thallium	mg/kg dry wt	ND	09/18/08	OP	3.44			
Vanadium	mg/kg dry wt	50.4	09/18/08	OP	5.73			
Zinc	mg/kg dry wt	537	09/18/08	OP	1.15			

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : SB-09B

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36119

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	09/18/08	OP	4.39			
Arsenic	mg/kg dry wt	8.29	09/18/08	OP	2.74			
Barium	mg/kg dry wt	67.2	09/18/08	OP	5.48			
Beryllium	mg/kg dry wt	ND	09/18/08	OP	0.28			
Cadmium	mg/kg dry wt	5.70	09/18/08	OP	0.28			
Chromium	mg/kg dry wt	29.2	09/18/08	OP	0.55			
Copper	mg/kg dry wt	41.0	09/18/08	OP	0.55			
Lead	mg/kg dry wt	67.2	09/18/08	OP	0.83			
Mercury	mg/kg dry wt	0.077	09/16/08	KM	0.011			
Nickel	mg/kg dry wt	56.3	09/18/08	OP	0.55			
Selenium	mg/kg dry wt	ND	09/18/08	OP	5.48			
Silver	mg/kg dry wt	3.73	09/18/08	OP	0.55			
Thallium	mg/kg dry wt	ND	09/18/08	OP	3.29			
Vanadium	mg/kg dry wt	25.1	09/18/08	OP	5.48			
Zinc	mg/kg dry wt	71.1	09/18/08	OP	1.10			

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Analytical Method: Antimony
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Arsenic
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Barium
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Beryllium
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Cadmium
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Chromium
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Copper
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Lead
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Mercury
SW846 3050/7471
SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY
COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

Analytical Method: Nickel
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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WALLINGFORD, CT 06492

9/19/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Analytical Method: Selenium
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Silver
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Thallium
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Vanadium
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Zinc
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : COMP-1

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36120

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	09/12/08	BGL	0.180			
Acenaphthylene	mg/kg dry wt	ND	09/12/08	BGL	0.180			
Anthracene	mg/kg dry wt	ND	09/12/08	BGL	0.180			
Benzo(a)anthracene	mg/kg dry wt	0.396	09/12/08	BGL	0.180			
Benzo(a)pyrene	mg/kg dry wt	0.374	09/12/08	BGL	0.180			
Benzo(b)fluoranthene	mg/kg dry wt	0.429	09/12/08	BGL	0.180			
Benzo(g,h,i)perylene	mg/kg dry wt	0.235	09/12/08	BGL	0.180			
Benzo(k)fluoranthene	mg/kg dry wt	0.184	09/12/08	BGL	0.180			
Chrysene	mg/kg dry wt	0.496	09/12/08	BGL	0.180			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	09/12/08	BGL	0.180			
Fluoranthene	mg/kg dry wt	0.570	09/12/08	BGL	0.180			
Fluorene	mg/kg dry wt	ND	09/12/08	BGL	0.180			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.225	09/12/08	BGL	0.180			
2-Methylnaphthalene	mg/kg dry wt	ND	09/12/08	BGL	0.180			
Naphthalene	mg/kg dry wt	ND	09/12/08	BGL	0.180			
Phenanthrene	mg/kg dry wt	0.464	09/12/08	BGL	0.180			
Pyrene	mg/kg dry wt	0.653	09/12/08	BGL	0.180			
Extraction Date 8270		9/11/2008	09/12/08	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

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ND = Not Detected at or above the Reporting Limit

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LUCAS HELLERICH
METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
Field Sample # : COMP-2

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Sample ID : 08B36121

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
Acenaphthylene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
Anthracene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
Benzo(a)anthracene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
Benzo(a)pyrene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
Benzo(b)fluoranthene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
Benzo(k)fluoranthene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
Chrysene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
Fluoranthene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
Fluorene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
2-Methylnaphthalene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
Naphthalene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
Phenanthrene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
Pyrene	mg/kg dry wt	ND	09/12/08	BGL	0.192			
Extraction Date 8270		9/11/2008	09/12/08	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Field Sample # : CC-1

Sample ID : 08B36124

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOLID

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	96.8	09/16/08	KMM				

Field Sample # : CC-2

Sample ID : 08B36125

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOLID

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	97.5	09/16/08	KMM				

Field Sample # : CC-3

Sample ID : 08B36126

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOLID

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	98.4	09/16/08	KMM				

Field Sample # : COMP-1

Sample ID : 08B36120

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	91.4	09/16/08	KMM				

Field Sample # : COMP-2

Sample ID : 08B36121

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	86.8	09/16/08	KMM				

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WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Field Sample # : SB-01

Sample ID : 08B36111

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	88.3	09/16/08	KMM				

Field Sample # : SB-01D

Sample ID : 08B36112

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	86.0	09/16/08	KMM				

Field Sample # : SB-02

Sample ID : 08B36113

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	94.7	09/16/08	KMM				

Field Sample # : SB-05B

Sample ID : 08B36115

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	86.3	09/16/08	KMM				

Field Sample # : SB-06B

Sample ID : 08B36116

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	87.4	09/16/08	KMM				

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WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008
LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

Field Sample # : SB-06D

Sample ID : 08B36117

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	86.4	09/16/08	KMM				

Field Sample # : SB-09B

Sample ID : 08B36119

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	91.3	09/17/08	KMM				

Field Sample # : SB-16

Sample ID : 08B36118

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	86.4	09/16/08	KMM				

Analytical Method:
SM 2540G
PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

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WALLINGFORD, CT 06492

9/19/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT
Date Received: 9/9/2008

LIMS-BAT #: LIMT-19446
Job Number: 60045450.02

** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 9/19/2008 Lims Bat # : LIMT-19446

QC Batch Number: BATCH-15117

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B36123					
	Silver	Sample Amount	<2.50	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	270.39	ug/L	
		Matrix Spike % Rec.	54.08	%	75-125
	Arsenic	Sample Amount	<2.00	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	534.40	ug/L	
		Matrix Spike % Rec.	106.88	%	75-125
	Barium	Sample Amount	<250.	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	518.40	ug/L	
		Matrix Spike % Rec.	103.68	%	75-125
	Beryllium	Sample Amount	<2.00	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	483.30	ug/L	
		Matrix Spike % Rec.	96.66	%	75-125
	Cadmium	Sample Amount	<2.50	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	504.20	ug/L	
		Matrix Spike % Rec.	100.84	%	75-125
	Chromium	Sample Amount	<50.0	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	499.00	ug/L	
		Matrix Spike % Rec.	99.80	%	75-125
	Copper	Sample Amount	<25.0	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	504.90	ug/L	
		Matrix Spike % Rec.	100.98	%	75-125
	Nickel	Sample Amount	<25.0	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	502.70	ug/L	
		Matrix Spike % Rec.	100.54	%	75-125
	Lead	Sample Amount	5.62	ug/L	
		Duplicate Value	5.31	ug/L	
		Duplicate RPD	5.66	%	0-20
		Sample Amount	5.62	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	488.50	ug/L	
		Matrix Spike % Rec.	96.57	%	75-125
	Antimony	Sample Amount	<5.00	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	526.40	ug/L	
		Matrix Spike % Rec.	105.28	%	75-125

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: BATCH-15117

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B36123					
	Selenium	Sample Amount	<25.0	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	513.29	ug/L	
		Matrix Spike % Rec.	102.66	%	75-125
	Thallium	Sample Amount	2.90	ug/L	
		Duplicate Value	<1.00	ug/L	
		Duplicate RPD	>97.6	%	0-20
		Sample Amount	2.90	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	474.90	ug/L	
		Matrix Spike % Rec.	94.39	%	75-125
	Vanadium	Sample Amount	<25.0	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	513.79	ug/L	
		Matrix Spike % Rec.	102.76	%	75-125
	Zinc	Sample Amount	<100.	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	523.79	ug/L	
		Matrix Spike % Rec.	104.76	%	75-125
BLANK-123729					
	Silver	Blank	<2.50	ug/L	
	Arsenic	Blank	<2.00	ug/L	
	Barium	Blank	<250.	ug/L	
	Beryllium	Blank	<2.00	ug/L	
	Cadmium	Blank	<2.50	ug/L	
	Chromium	Blank	<50.0	ug/L	
	Copper	Blank	<25.0	ug/L	
	Nickel	Blank	<25.0	ug/L	
	Lead	Blank	<5.00	ug/L	
	Antimony	Blank	<5.00	ug/L	
	Selenium	Blank	<25.0	ug/L	
	Thallium	Blank	<1.00	ug/L	
	Vanadium	Blank	<25.0	ug/L	
	Zinc	Blank	<100.	ug/L	
LFBLANK-85484					
	Silver	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	283.80	ug/L	
		Lab Fort Blk. % Rec.	56.76	%	80-120
	Arsenic	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	523.20	ug/L	
		Lab Fort Blk. % Rec.	104.64	%	80-120
	Barium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	521.79	ug/L	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: BATCH-15117

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85484					
	Barium	Lab Fort Blk. % Rec.	104.36	%	80-120
	Beryllium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	501.80	ug/L	
		Lab Fort Blk. % Rec.	100.36	%	80-120
	Cadmium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	511.60	ug/L	
		Lab Fort Blk. % Rec.	102.32	%	80-120
	Chromium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	517.20	ug/L	
		Lab Fort Blk. % Rec.	103.44	%	80-120
	Copper	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	507.20	ug/L	
		Lab Fort Blk. % Rec.	101.44	%	80-120
	Nickel	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	511.20	ug/L	
		Lab Fort Blk. % Rec.	102.24	%	80-120
	Lead	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	492.10	ug/L	
		Lab Fort Blk. % Rec.	98.42	%	80-120
	Antimony	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	518.70	ug/L	
		Lab Fort Blk. % Rec.	103.74	%	80-120
	Selenium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	499.60	ug/L	
		Lab Fort Blk. % Rec.	99.92	%	80-120
	Thallium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	465.30	ug/L	
		Lab Fort Blk. % Rec.	93.06	%	80-120
	Vanadium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	523.60	ug/L	
		Lab Fort Blk. % Rec.	104.72	%	80-120
	Zinc	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	509.00	ug/L	
		Lab Fort Blk. % Rec.	101.80	%	80-120

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Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: CYANIDE-3013

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B36116					
	Cyanide	Sample Amount	3.857	mg/kg dry wt	
		Matrix Spk Amt Added	16.860	mg/kg dry wt	
		MS Amt Measured	23.974	mg/kg dry wt	
		Matrix Spike % Rec.	119.315	%	
		MSD Amount Added	14.486	mg/kg dry wt	
		MSD Amt Measured	20.724	mg/kg dry wt	
		MSD % Recovery	116.433	%	
		MSD Range	2.882	units	
		MS Duplicate RPD	14.542	%	
BLANK-123609					
	Cyanide	Blank	<1.00	mg/kg dry wt	
LFBLANK-85349					
	Cyanide	Lab Fort Blank Amt.	28.848	mg/kg dry wt	
		Lab Fort Blk. Found	28.293	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.074	%	
STDADD-34763					
	Cyanide	Standard Measured	14.294	mg/kg dry wt	
		Standard Amt Added	14.011	mg/kg dry wt	
		Standard % Recovery	102.023	%	

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GC/FID-22220

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B36111					
	Terphenyl	Surrogate Recovery	105.0	%	50-150
08B36112					
	Terphenyl	Surrogate Recovery	100.0	%	50-150
08B36113					
	Terphenyl	Surrogate Recovery	113.0	%	50-150
08B36117					
	Terphenyl	Surrogate Recovery	93.7	%	50-150
BLANK-123526					
	Extractable TPH (ETPH)	Blank	<10.	mg/kg dry weig	
LFBLANK-85266					
	Extractable TPH (ETPH)	Lab Fort Blank Amt.	33.3	mg/kg dry weig	
		Lab Fort Blk. Found	28.3	mg/kg dry weig	
		Lab Fort Blk. % Rec.	85.1	%	60-120
		Dup Lab Fort Bl Amt.	33.3	mg/kg dry weig	
		Dup Lab Fort Bl. Fnd	24.9	mg/kg dry weig	
		Dup Lab Fort Bl %Rec	74.7	%	
		Lab Fort Blank Range	10.4	units	
		Lab Fort Bl. Av. Rec	79.9	%	
		LFB Duplicate RPD	13.0	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/SEMI-11381

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B36120					
	Nitrobenzene-d5	Surrogate Recovery	58.4	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	59.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	43.6	%	30-130
08B36121					
	Nitrobenzene-d5	Surrogate Recovery	64.6	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	61.5	%	30-130
	Terphenyl-d14	Surrogate Recovery	56.3	%	30-130
BLANK-123498					
	Naphthalene	Blank	<0.167	mg/kg dry wt	
	Acenaphthene	Blank	<0.167	mg/kg dry wt	
	Acenaphthylene	Blank	<0.167	mg/kg dry wt	
	Anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)pyrene	Blank	<0.167	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.167	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.167	mg/kg dry wt	
	Chrysene	Blank	<0.167	mg/kg dry wt	
	Dibenz(a,h)anthracene	Blank	<0.167	mg/kg dry wt	
	Fluoranthene	Blank	<0.167	mg/kg dry wt	
	Fluorene	Blank	<0.167	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Blank	<0.167	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.167	mg/kg dry wt	
	Phenanthrene	Blank	<0.167	mg/kg dry wt	
	Pyrene	Blank	<0.167	mg/kg dry wt	
	Benzo(k)fluoranthene	Blank	<0.167	mg/kg dry wt	
LFBLANK-85234					
	Naphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.945	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.739	%	40-140
	Acenaphthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.966	mg/kg dry wt	
		Lab Fort Blk. % Rec.	57.979	%	40-140
	Acenaphthylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.987	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.219	%	40-140
	Anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.056	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.379	%	40-140
	Benzo(a)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.004	mg/kg dry wt	
		Lab Fort Blk. % Rec.	60.239	%	40-140
	Benzo(a)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.047	mg/kg dry wt	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/SEMI-11381

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85234					
	Benzo(a)pyrene	Lab Fort Blk. % Rec.	62.860	%	40-140
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.947	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.819	%	40-140
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.093	mg/kg dry wt	
		Lab Fort Blk. % Rec.	65.599	%	40-140
	Chrysene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.065	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.899	%	40-140
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	61.360	%	40-140
	Fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.899	mg/kg dry wt	
		Lab Fort Blk. % Rec.	53.979	%	40-140
	Fluorene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.014	mg/kg dry wt	
		Lab Fort Blk. % Rec.	60.859	%	40-140
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.048	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.879	%	40-140
	2-Methylnaphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.936	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.179	%	40-140
	Phenanthrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.030	mg/kg dry wt	
		Lab Fort Blk. % Rec.	61.840	%	40-140
	Pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.050	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.999	%	40-140
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.067	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.060	%	40-140

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/VOL-20345

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B36111					
	1,2-Dichloroethane-d4	Surrogate Recovery	100.760	%	70-130
	Toluene-d8	Surrogate Recovery	98.840	%	70-130
	Bromofluorobenzene	Surrogate Recovery	95.040	%	70-130
08B36113					
	1,2-Dichloroethane-d4	Surrogate Recovery	103.640	%	70-130
	Toluene-d8	Surrogate Recovery	99.280	%	70-130
	Bromofluorobenzene	Surrogate Recovery	96.200	%	70-130
08B36117					
	1,2-Dichloroethane-d4	Surrogate Recovery	101.160	%	70-130
	Toluene-d8	Surrogate Recovery	98.360	%	70-130
	Bromofluorobenzene	Surrogate Recovery	96.760	%	70-130
08B36118					
	1,2-Dichloroethane-d4	Surrogate Recovery	102.240	%	70-130
	Toluene-d8	Surrogate Recovery	98.280	%	70-130
	Bromofluorobenzene	Surrogate Recovery	97.720	%	70-130
BLANK-123243					
	Acetone	Blank	<0.10	mg/kg dry wt	
	Benzene	Blank	<0.002	mg/kg dry wt	
	Carbon Tetrachloride	Blank	<0.002	mg/kg dry wt	
	Chloroform	Blank	<0.004	mg/kg dry wt	
	1,2-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,4-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	Ethyl Benzene	Blank	<0.002	mg/kg dry wt	
	2-Butanone (MEK)	Blank	<0.040	mg/kg dry wt	
	MIBK	Blank	<0.020	mg/kg dry wt	
	Naphthalene	Blank	<0.010	mg/kg dry wt	
	Styrene	Blank	<0.002	mg/kg dry wt	
	Tetrachloroethylene	Blank	<0.002	mg/kg dry wt	
	Toluene	Blank	<0.002	mg/kg dry wt	
	1,1,1-Trichloroethane	Blank	<0.002	mg/kg dry wt	
	Trichloroethylene	Blank	<0.002	mg/kg dry wt	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.010	mg/kg dry wt	
	Trichlorofluoromethane	Blank	<0.010	mg/kg dry wt	
	o-Xylene	Blank	<0.002	mg/kg dry wt	
	m + p Xylene	Blank	<0.004	mg/kg dry wt	
	1,2-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,3-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloroethylene	Blank	<0.004	mg/kg dry wt	
	1,4-Dioxane	Blank	<0.10	mg/kg dry wt	
	MTBE	Blank	<0.004	mg/kg dry wt	
	trans-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	Vinyl Chloride	Blank	<0.010	mg/kg dry wt	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/VOL-20345

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-123243					
	Methylene Chloride	Blank	<0.020	mg/kg dry wt	
	Chlorobenzene	Blank	<0.002	mg/kg dry wt	
	Chloromethane	Blank	<0.010	mg/kg dry wt	
	Bromomethane	Blank	<0.010	mg/kg dry wt	
	Chloroethane	Blank	<0.020	mg/kg dry wt	
	cis-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt	
	trans-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt	
	Chlorodibromomethane	Blank	<0.001	mg/kg dry wt	
	1,1,2-Trichloroethane	Blank	<0.002	mg/kg dry wt	
	Bromoform	Blank	<0.002	mg/kg dry wt	
	1,1,2,2-Tetrachloroethane	Blank	<0.001	mg/kg dry wt	
	2-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.002	mg/kg dry wt	
	Isopropylbenzene	Blank	<0.002	mg/kg dry wt	
	p-Isopropyltoluene	Blank	<0.002	mg/kg dry wt	
	n-Propylbenzene	Blank	<0.002	mg/kg dry wt	
	sec-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	tert-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichlorobenzene	Blank	<0.004	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.004	mg/kg dry wt	
	1,2,4-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	1,3,5-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	4-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Dibromomethane	Blank	<0.002	mg/kg dry wt	
	cis-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloropropene	Blank	<0.002	mg/kg dry wt	
	1,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,3-Dichloropropane	Blank	<0.001	mg/kg dry wt	
	2,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,1,1,2-Tetrachloroethane	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichloropropane	Blank	<0.002	mg/kg dry wt	
	n-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	Dichlorodifluoromethane	Blank	<0.020	mg/kg dry wt	
	Bromochloromethane	Blank	<0.002	mg/kg dry wt	
	Bromobenzene	Blank	<0.002	mg/kg dry wt	
	Acrylonitrile	Blank	<0.010	mg/kg dry wt	
	Carbon Disulfide	Blank	<0.010	mg/kg dry wt	
	2-Hexanone	Blank	<0.020	mg/kg dry wt	
	trans-1,4-Dichloro-2-Butene	Blank	<0.004	mg/kg dry wt	
	Diethyl Ether	Blank	<0.020	mg/kg dry wt	
	Bromodichloromethane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromo-3-Chloropropane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromoethane	Blank	<0.001	mg/kg dry wt	

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BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

QC Batch Number: GCMS/VOL-20345

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-123243					
	Tetrahydrofuran	Blank	<0.010	mg/kg dry wt	
	tert-Butyl Alcohol	Blank	<0.040	mg/kg dry wt	
	Diisopropyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Butylethyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Amylmethyl Ether	Blank	<0.001	mg/kg dry wt	
LFBLANK-84961					
	Acetone	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.310	mg/kg dry wt	
		Lab Fort Blk. % Rec.	155.340	%	50-160
	Benzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.100	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	124.800	%	70-130
	Chloroform	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.000	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.025	mg/kg dry wt	
		Lab Fort Blk. % Rec.	125.700	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.800	%	70-130
	Ethyl Benzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	121.800	%	70-130
	2-Butanone (MEK)	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.213	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.780	%	70-160
	MIBK	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.240	mg/kg dry wt	
		Lab Fort Blk. % Rec.	120.490	%	70-160
	Naphthalene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.300	%	40-130
	Styrene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	112.800	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.800	%	70-160
	Toluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/VOL-20345

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-84961					
	Toluene	Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.600	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.025	mg/kg dry wt	
		Lab Fort Blk. % Rec.	127.200	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.100	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	120.400	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.025	mg/kg dry wt	
		Lab Fort Blk. % Rec.	126.300	%	70-130
	o-Xylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.700	%	70-130
	m + p Xylene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.048	mg/kg dry wt	
		Lab Fort Blk. % Rec.	120.500	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	112.200	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.023	mg/kg dry wt	
		Lab Fort Blk. % Rec.	117.400	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.000	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.900	%	70-130
	1,4-Dioxane	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.173	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.750	%	40-160
	MTBE	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.800	%	70-130
	trans-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.700	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-84961					
	Vinyl Chloride	Lab Fort Blk. % Rec.	103.100	%	40-130
	Methylene Chloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.800	%	40-160
	Chlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.700	%	70-130
	Chloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.900	%	40-130
	Bromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	87.600	%	40-130
	Chloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.500	%	40-160
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.500	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.025	mg/kg dry wt	
		Lab Fort Blk. % Rec.	127.900	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.023	mg/kg dry wt	
		Lab Fort Blk. % Rec.	118.100	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.400	%	70-130
	Bromoform	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.023	mg/kg dry wt	
		Lab Fort Blk. % Rec.	118.100	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.400	%	70-130
	2-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	122.300	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.025	mg/kg dry wt	
		Lab Fort Blk. % Rec.	127.500	%	70-130
	Isopropylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	123.300	%	70-130

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LFBLANK-84961					
	p-Isopropyltoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	124.900	%	70-130
	n-Propylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.023	mg/kg dry wt	
		Lab Fort Blk. % Rec.	119.600	%	70-130
	sec-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	121.800	%	70-130
	tert-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	120.000	%	70-160
	1,2,3-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.700	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.900	%	40-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	122.400	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.025	mg/kg dry wt	
		Lab Fort Blk. % Rec.	125.300	%	70-130
	4-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.025	mg/kg dry wt	
		Lab Fort Blk. % Rec.	125.800	%	70-130
	Dibromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.600	%	70-130
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.500	%	70-130
	1,1-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.400	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.700	%	70-130
	1,3-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.300	%	70-130
	2,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-84961					
	2,2-Dichloropropane	Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	120.200	%	70-130
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	123.200	%	70-130
	1,2,3-Trichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.000	%	70-130
	n-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	120.000	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.025	mg/kg dry wt	
		Lab Fort Blk. % Rec.	127.600	%	40-160
	Bromochloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.200	%	70-130
	Bromobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	120.500	%	70-130
	Acrylonitrile	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	81.300	%	70-160
	Carbon Disulfide	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.026	mg/kg dry wt	
		Lab Fort Blk. % Rec.	133.500	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.276	mg/kg dry wt	
		Lab Fort Blk. % Rec.	138.090	%	70-160
	trans-1,4-Dichloro-2-Butene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.900	%	70-130
	Diethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.400	%	70-130
	Bromodichloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.900	%	70-130
	1,2-Dibromo-3-Chloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.100	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-84961					
	1,2-Dibromoethane	Lab Fort Blk. % Rec.	107.400	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.500	%	70-130
	tert-Butyl Alcohol	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.186	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.410	%	40-130
	Diisopropyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.200	%	70-130
	tert-Butylethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.100	%	70-130
	tert-Amylmethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.600	%	70-130

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QC Batch Number: GCMS/VOL-20362

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B36123					
	1,2-Dichloroethane-d4	Surrogate Recovery	92.9	%	70-130
	Toluene-d8	Surrogate Recovery	105.5	%	70-130
	Bromofluorobenzene	Surrogate Recovery	90.7	%	70-130
BLANK-123331					
	Acetone	Blank	<5.0	ug/l	
	Benzene	Blank	<0.5	ug/l	
	Carbon Tetrachloride	Blank	<0.5	ug/l	
	Chloroform	Blank	<0.5	ug/l	
	1,2-Dichloroethane	Blank	<0.5	ug/l	
	1,4-Dichlorobenzene	Blank	<0.5	ug/l	
	Ethyl Benzene	Blank	<0.5	ug/l	
	2-Butanone (MEK)	Blank	<2.0	ug/l	
	MIBK	Blank	<2.0	ug/l	
	Naphthalene	Blank	<0.5	ug/l	
	Styrene	Blank	<0.5	ug/l	
	Tetrachloroethylene	Blank	<0.5	ug/l	
	Toluene	Blank	<0.5	ug/l	
	1,1,1-Trichloroethane	Blank	<0.5	ug/l	
	Trichloroethylene	Blank	<0.5	ug/l	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.5	ug/l	
	Trichlorofluoromethane	Blank	<0.5	ug/l	
	o-Xylene	Blank	<0.5	ug/l	
	m + p Xylene	Blank	<1.0	ug/l	
	1,2-Dichlorobenzene	Blank	<0.5	ug/l	
	1,3-Dichlorobenzene	Blank	<0.5	ug/l	
	1,1-Dichloroethane	Blank	<0.5	ug/l	
	1,1-Dichloroethylene	Blank	<0.5	ug/l	
	1,4-Dioxane	Blank	<50.0	ug/l	
	MTBE	Blank	<0.5	ug/l	
	trans-1,2-Dichloroethylene	Blank	<0.5	ug/l	
	Vinyl Chloride	Blank	<0.5	ug/l	
	Methylene Chloride	Blank	<0.5	ug/l	
	Chlorobenzene	Blank	<0.5	ug/l	
	Chloromethane	Blank	<0.5	ug/l	
	Bromomethane	Blank	<0.5	ug/l	
	Chloroethane	Blank	<0.5	ug/l	
	cis-1,3-Dichloropropene	Blank	<0.5	ug/l	
	trans-1,3-Dichloropropene	Blank	<0.5	ug/l	
	Chlorodibromomethane	Blank	<0.5	ug/l	
	1,1,2-Trichloroethane	Blank	<0.5	ug/l	
	Bromoform	Blank	<0.5	ug/l	
	1,1,2,2-Tetrachloroethane	Blank	<0.5	ug/l	
	2-Chlorotoluene	Blank	<0.5	ug/l	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-123331					
	Hexachlorobutadiene	Blank	<0.4	ug/l	
	Isopropylbenzene	Blank	<0.5	ug/l	
	p-Isopropyltoluene	Blank	<0.5	ug/l	
	n-Propylbenzene	Blank	<0.5	ug/l	
	sec-Butylbenzene	Blank	<0.5	ug/l	
	tert-Butylbenzene	Blank	<0.5	ug/l	
	1,2,3-Trichlorobenzene	Blank	<0.5	ug/l	
	1,2,4-Trichlorobenzene	Blank	<0.5	ug/l	
	1,2,4-Trimethylbenzene	Blank	<0.5	ug/l	
	1,3,5-Trimethylbenzene	Blank	<0.5	ug/l	
	Dibromomethane	Blank	<0.5	ug/l	
	cis-1,2-Dichloroethylene	Blank	<0.5	ug/l	
	4-Chlorotoluene	Blank	<0.5	ug/l	
	1,1-Dichloropropene	Blank	<0.5	ug/l	
	1,2-Dichloropropane	Blank	<0.5	ug/l	
	1,3-Dichloropropane	Blank	<0.5	ug/l	
	2,2-Dichloropropane	Blank	<0.5	ug/l	
	1,1,1,2-Tetrachloroethane	Blank	<0.5	ug/l	
	1,2,3-Trichloropropane	Blank	<0.5	ug/l	
	n-Butylbenzene	Blank	<0.5	ug/l	
	Dichlorodifluoromethane	Blank	<0.5	ug/l	
	Bromochloromethane	Blank	<0.5	ug/l	
	Bromobenzene	Blank	<0.5	ug/l	
	Acrylonitrile	Blank	<2.0	ug/l	
	Carbon Disulfide	Blank	<0.5	ug/l	
	2-Hexanone	Blank	<10.0	ug/l	
	trans-1,4-Dichloro-2-Butene	Blank	<0.5	ug/l	
	Diethyl Ether	Blank	<0.5	ug/l	
	Bromodichloromethane	Blank	<0.5	ug/l	
	1,2-Dibromo-3-Chloropropane	Blank	<0.5	ug/l	
	1,2-Dibromoethane	Blank	<0.50	ug/l	
	Tetrahydrofuran	Blank	<5.0	ug/l	
	tert-Butyl Alcohol	Blank	<5.0	ug/l	
	Diisopropyl Ether	Blank	<0.5	ug/l	
	tert-Butylethyl Ether	Blank	<0.5	ug/l	
	tert-Amylmethyl Ether	Blank	<0.5	ug/l	
LFBLANK-85054					
	Acetone	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	83.9	ug/l	
		Lab Fort Blk. % Rec.	83.9	%	70-160
	Benzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	12.6	ug/l	
		Lab Fort Blk. % Rec.	126.7	%	70-130

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85054					
	Carbon Tetrachloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
		Lab Fort Blk. % Rec.	94.7	%	70-130
	Chloroform	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.1	ug/l	
		Lab Fort Blk. % Rec.	111.0	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.4	ug/l	
		Lab Fort Blk. % Rec.	84.9	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.3	%	70-130
	Ethyl Benzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	
		Lab Fort Blk. % Rec.	105.7	%	70-130
	2-Butanone (MEK)	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	99.9	ug/l	
		Lab Fort Blk. % Rec.	99.9	%	40-160
	MIBK	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	82.1	ug/l	
		Lab Fort Blk. % Rec.	82.1	%	70-160
	Naphthalene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.5	ug/l	
		Lab Fort Blk. % Rec.	75.8	%	40-130
	Styrene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.9	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.3	ug/l	
		Lab Fort Blk. % Rec.	93.6	%	70-160
	Toluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.6	ug/l	
		Lab Fort Blk. % Rec.	116.8	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.4	ug/l	
		Lab Fort Blk. % Rec.	104.9	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	
		Lab Fort Blk. % Rec.	105.1	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.5	ug/l	
		Lab Fort Blk. % Rec.	115.5	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	10.0	ug/l	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/VOL-20362

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85054					
	Trichlorofluoromethane	Lab Fort Blk. Found	11.1	ug/l	
		Lab Fort Blk. % Rec.	111.4	%	70-130
	o-Xylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.3	%	70-130
	m + p Xylene	Lab Fort Blank Amt.	20.0	ug/l	
		Lab Fort Blk. Found	20.5	ug/l	
		Lab Fort Blk. % Rec.	102.8	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
		Lab Fort Blk. % Rec.	94.7	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
		Lab Fort Blk. % Rec.	94.4	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.4	ug/l	
		Lab Fort Blk. % Rec.	114.1	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.6	%	70-130
	1,4-Dioxane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	109.3	ug/l	
		Lab Fort Blk. % Rec.	109.3	%	40-130
	MTBE	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.4	ug/l	
		Lab Fort Blk. % Rec.	104.0	%	70-130
	trans-1,2-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.4	ug/l	
		Lab Fort Blk. % Rec.	114.6	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	12.5	ug/l	
		Lab Fort Blk. % Rec.	125.2	%	40-160
	Methylene Chloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.4	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.3	ug/l	
		Lab Fort Blk. % Rec.	93.2	%	70-130
	Chloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	12.9	ug/l	
		Lab Fort Blk. % Rec.	129.7	%	40-160
	Bromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	5.7	ug/l	

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BATCH QC: Lab fortified Blanks and Duplicates
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QC Batch Number: GCMS/VOL-20362

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85054					
	Bromomethane	Lab Fort Blk. % Rec.	57.7	%	40-160
	Chloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.1	ug/l	
		Lab Fort Blk. % Rec.	111.7	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
		Lab Fort Blk. % Rec.	94.8	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.3	ug/l	
		Lab Fort Blk. % Rec.	93.0	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.5	ug/l	
		Lab Fort Blk. % Rec.	85.2	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.4	ug/l	
		Lab Fort Blk. % Rec.	104.2	%	70-130
	Bromoform	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	6.6	ug/l	
		Lab Fort Blk. % Rec.	66.1	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.0	%	70-130
	2-Chlorotoluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.3	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.6	ug/l	
		Lab Fort Blk. % Rec.	106.5	%	70-130
	Isopropylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.7	ug/l	
		Lab Fort Blk. % Rec.	97.3	%	70-130
	p-Isopropyltoluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.8	ug/l	
		Lab Fort Blk. % Rec.	108.6	%	70-130
	n-Propylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.5	%	70-130
	sec-Butylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.6	ug/l	
		Lab Fort Blk. % Rec.	116.4	%	70-130
	tert-Butylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	
		Lab Fort Blk. % Rec.	105.1	%	70-130

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Method Blanks

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85054					
	1,2,3-Trichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.1	ug/l	
		Lab Fort Blk. % Rec.	91.5	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.9	ug/l	
		Lab Fort Blk. % Rec.	89.1	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.6	ug/l	
		Lab Fort Blk. % Rec.	116.4	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.3	%	70-130
	Dibromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.7	ug/l	
		Lab Fort Blk. % Rec.	97.4	%	70-130
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.4	%	70-130
	4-Chlorotoluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.4	%	70-130
	1,1-Dichloropropene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.4	ug/l	
		Lab Fort Blk. % Rec.	114.5	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.3	ug/l	
		Lab Fort Blk. % Rec.	113.5	%	70-130
	1,3-Dichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.1	%	70-130
	2,2-Dichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.8	ug/l	
		Lab Fort Blk. % Rec.	108.6	%	40-130
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.0	ug/l	
		Lab Fort Blk. % Rec.	80.4	%	70-130
	1,2,3-Trichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.1	ug/l	
		Lab Fort Blk. % Rec.	81.8	%	70-130
	n-Butylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.6	ug/l	
		Lab Fort Blk. % Rec.	116.8	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	10.0	ug/l	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85054					
	Dichlorodifluoromethane	Lab Fort Blk. Found	13.0	ug/l	
		Lab Fort Blk. % Rec.	130.9	%	40-160
	Bromochloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.1	ug/l	
		Lab Fort Blk. % Rec.	111.7	%	70-130
	Bromobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.7	%	70-130
	Acrylonitrile	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.5	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	15.1	ug/l	
		Lab Fort Blk. % Rec.	151.6	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	82.3	ug/l	
		Lab Fort Blk. % Rec.	82.3	%	70-160
	trans-1,4-Dichloro-2-Butene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	6.2	ug/l	
		Lab Fort Blk. % Rec.	62.8	%	70-130
	Diethyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.7	ug/l	
		Lab Fort Blk. % Rec.	97.9	%	70-130
	Bromodichloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.3	ug/l	
		Lab Fort Blk. % Rec.	93.0	%	70-130
	1,2-Dibromo-3-Chloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.3	ug/l	
		Lab Fort Blk. % Rec.	93.4	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	10.00	ug/l	
		Lab Fort Blk. Found	9.67	ug/l	
		Lab Fort Blk. % Rec.	96.70	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.8	ug/l	
		Lab Fort Blk. % Rec.	88.8	%	70-130
	tert-Butyl Alcohol	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	83.2	ug/l	
		Lab Fort Blk. % Rec.	83.2	%	40-160
	Diisopropyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.8	ug/l	
		Lab Fort Blk. % Rec.	108.3	%	70-130
	tert-Butylethyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	

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QC Batch Number: GCMS/VOL-20362

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85054					
	tert-Butylethyl Ether	Lab Fort Blk. % Rec.	102.2	%	70-160
	tert-Amylmethyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.6	ug/l	
		Lab Fort Blk. % Rec.	106.0	%	70-130

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QC SUMMARY REPORT

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Method Blanks

QC Batch Number: GCMS/VOL-20426

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B36122					
	1,2-Dichloroethane-d4	Surrogate Recovery	100.560	%	70-130
	Toluene-d8	Surrogate Recovery	98.760	%	70-130
	Bromofluorobenzene	Surrogate Recovery	97.720	%	70-130
BLANK-123738					
	Acetone	Blank	<0.10	mg/kg	
	Benzene	Blank	<0.002	mg/kg	
	Carbon Tetrachloride	Blank	<0.002	mg/kg	
	Chloroform	Blank	<0.004	mg/kg	
	1,2-Dichloroethane	Blank	<0.002	mg/kg	
	1,4-Dichlorobenzene	Blank	<0.002	mg/kg	
	Ethyl Benzene	Blank	<0.002	mg/kg	
	2-Butanone (MEK)	Blank	<0.040	mg/kg	
	MIBK	Blank	<0.020	mg/kg	
	Naphthalene	Blank	<0.004	mg/kg	
	Styrene	Blank	<0.002	mg/kg	
	Tetrachloroethylene	Blank	<0.002	mg/kg	
	Toluene	Blank	<0.002	mg/kg	
	1,1,1-Trichloroethane	Blank	<0.002	mg/kg	
	Trichloroethylene	Blank	<0.002	mg/kg	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.010	mg/kg	
	Trichlorofluoromethane	Blank	<0.010	mg/kg	
	o-Xylene	Blank	<0.002	mg/kg	
	m + p Xylene	Blank	<0.004	mg/kg	
	1,2-Dichlorobenzene	Blank	<0.002	mg/kg	
	1,3-Dichlorobenzene	Blank	<0.002	mg/kg	
	1,1-Dichloroethane	Blank	<0.002	mg/kg	
	1,1-Dichloroethylene	Blank	<0.004	mg/kg	
	1,4-Dioxane	Blank	<0.10	mg/kg	
	MTBE	Blank	<0.004	mg/kg	
	trans-1,2-Dichloroethylene	Blank	<0.002	mg/kg	
	Vinyl Chloride	Blank	<0.010	mg/kg	
	Methylene Chloride	Blank	<0.020	mg/kg	
	Chlorobenzene	Blank	<0.002	mg/kg	
	Chloromethane	Blank	<0.010	mg/kg	
	Bromomethane	Blank	<0.010	mg/kg	
	Chloroethane	Blank	<0.020	mg/kg	
	cis-1,3-Dichloropropene	Blank	<0.001	mg/kg	
	trans-1,3-Dichloropropene	Blank	<0.001	mg/kg	
	Chlorodibromomethane	Blank	<0.001	mg/kg	
	1,1,2-Trichloroethane	Blank	<0.002	mg/kg	
	Bromoform	Blank	<0.002	mg/kg	
	1,1,2,2-Tetrachloroethane	Blank	<0.001	mg/kg	
	2-Chlorotoluene	Blank	<0.002	mg/kg	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-123738					
	Hexachlorobutadiene	Blank	<0.002	mg/kg	
	Isopropylbenzene	Blank	<0.002	mg/kg	
	p-Isopropyltoluene	Blank	<0.002	mg/kg	
	n-Propylbenzene	Blank	<0.002	mg/kg	
	sec-Butylbenzene	Blank	<0.002	mg/kg	
	tert-Butylbenzene	Blank	<0.002	mg/kg	
	1,2,3-Trichlorobenzene	Blank	<0.002	mg/kg	
	1,2,4-Trichlorobenzene	Blank	<0.010	mg/kg	
	1,2,4-Trimethylbenzene	Blank	<0.002	mg/kg	
	1,3,5-Trimethylbenzene	Blank	<0.002	mg/kg	
	Dibromomethane	Blank	<0.002	mg/kg	
	cis-1,2-Dichloroethylene	Blank	<0.002	mg/kg	
	4-Chlorotoluene	Blank	<0.002	mg/kg	
	1,1-Dichloropropene	Blank	<0.002	mg/kg	
	1,2-Dichloropropane	Blank	<0.002	mg/kg	
	1,3-Dichloropropane	Blank	<0.001	mg/kg	
	2,2-Dichloropropane	Blank	<0.002	mg/kg	
	1,1,1,2-Tetrachloroethane	Blank	<0.002	mg/kg	
	1,2,3-Trichloropropane	Blank	<0.002	mg/kg	
	n-Butylbenzene	Blank	<0.002	mg/kg	
	Dichlorodifluoromethane	Blank	<0.020	mg/kg	
	Bromochloromethane	Blank	<0.002	mg/kg	
	Bromobenzene	Blank	<0.002	mg/kg	
	Acrylonitrile	Blank	<0.010	mg/kg	
	Carbon Disulfide	Blank	<0.006	mg/kg	
	2-Hexanone	Blank	<0.020	mg/kg	
	trans-1,4-Dichloro-2-Butene	Blank	<0.004	mg/kg	
	Diethyl Ether	Blank	<0.020	mg/kg	
	Bromodichloromethane	Blank	<0.002	mg/kg	
	1,2-Dibromo-3-Chloropropane	Blank	<0.002	mg/kg	
	1,2-Dibromoethane	Blank	<0.001	mg/kg	
	Tetrahydrofuran	Blank	<0.010	mg/kg	
	tert-Butyl Alcohol	Blank	<0.040	mg/kg	
	Diisopropyl Ether	Blank	<0.020	mg/kg	
	tert-Butylethyl Ether	Blank	<0.001	mg/kg	
	tert-Amylmethyl Ether	Blank	<0.001	mg/kg	
LFBLANK-85496					
	Acetone	Lab Fort Blank Amt.	0.200	mg/kg	
		Lab Fort Blk. Found	0.310	mg/kg	
		Lab Fort Blk. % Rec.	155.340	%	70-160
	Benzene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.019	mg/kg	
		Lab Fort Blk. % Rec.	97.100	%	70-130

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85496					
	Carbon Tetrachloride	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.024	mg/kg	
		Lab Fort Blk. % Rec.	124.800	%	70-130
	Chloroform	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.020	mg/kg	
		Lab Fort Blk. % Rec.	102.000	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.025	mg/kg	
		Lab Fort Blk. % Rec.	125.700	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.022	mg/kg	
		Lab Fort Blk. % Rec.	111.800	%	70-130
	Ethyl Benzene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.024	mg/kg	
		Lab Fort Blk. % Rec.	121.800	%	70-130
	2-Butanone (MEK)	Lab Fort Blank Amt.	0.200	mg/kg	
		Lab Fort Blk. Found	0.213	mg/kg	
		Lab Fort Blk. % Rec.	106.780	%	70-160
	MIBK	Lab Fort Blank Amt.	0.200	mg/kg	
		Lab Fort Blk. Found	0.240	mg/kg	
		Lab Fort Blk. % Rec.	120.490	%	70-160
	Naphthalene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.017	mg/kg	
		Lab Fort Blk. % Rec.	89.300	%	40-130
	Styrene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.022	mg/kg	
		Lab Fort Blk. % Rec.	112.800	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.022	mg/kg	
		Lab Fort Blk. % Rec.	111.800	%	70-160
	Toluene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.020	mg/kg	
		Lab Fort Blk. % Rec.	101.600	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.025	mg/kg	
		Lab Fort Blk. % Rec.	127.200	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.022	mg/kg	
		Lab Fort Blk. % Rec.	110.100	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.024	mg/kg	
		Lab Fort Blk. % Rec.	120.400	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	0.020	mg/kg	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/VOL-20426

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85496					
	Trichlorofluoromethane	Lab Fort Blk. Found	0.025	mg/kg	
		Lab Fort Blk. % Rec.	126.300	%	70-130
	o-Xylene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.021	mg/kg	
		Lab Fort Blk. % Rec.	109.700	%	70-130
	m + p Xylene	Lab Fort Blank Amt.	0.040	mg/kg	
		Lab Fort Blk. Found	0.048	mg/kg	
		Lab Fort Blk. % Rec.	120.500	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.022	mg/kg	
		Lab Fort Blk. % Rec.	112.200	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.023	mg/kg	
		Lab Fort Blk. % Rec.	117.400	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.020	mg/kg	
		Lab Fort Blk. % Rec.	104.000	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.021	mg/kg	
		Lab Fort Blk. % Rec.	109.900	%	70-130
	1,4-Dioxane	Lab Fort Blank Amt.	0.200	mg/kg	
		Lab Fort Blk. Found	0.173	mg/kg	
		Lab Fort Blk. % Rec.	86.750	%	40-160
	MTBE	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.020	mg/kg	
		Lab Fort Blk. % Rec.	104.800	%	70-130
	trans-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.021	mg/kg	
		Lab Fort Blk. % Rec.	107.700	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.020	mg/kg	
		Lab Fort Blk. % Rec.	103.100	%	40-130
	Methylene Chloride	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.021	mg/kg	
		Lab Fort Blk. % Rec.	108.800	%	40-160
	Chlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.022	mg/kg	
		Lab Fort Blk. % Rec.	114.700	%	70-130
	Chloromethane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.019	mg/kg	
		Lab Fort Blk. % Rec.	98.900	%	40-130
	Bromomethane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.017	mg/kg	

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/VOL-20426

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85496					
	Bromomethane	Lab Fort Blk. % Rec.	87.600	%	40-130
	Chloroethane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.021	mg/kg	
		Lab Fort Blk. % Rec.	106.500	%	40-160
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.020	mg/kg	
		Lab Fort Blk. % Rec.	103.500	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.025	mg/kg	
		Lab Fort Blk. % Rec.	127.900	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.023	mg/kg	
		Lab Fort Blk. % Rec.	118.100	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.020	mg/kg	
		Lab Fort Blk. % Rec.	100.400	%	70-130
	Bromoform	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.023	mg/kg	
		Lab Fort Blk. % Rec.	118.100	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.020	mg/kg	
		Lab Fort Blk. % Rec.	101.400	%	70-130
	2-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.024	mg/kg	
		Lab Fort Blk. % Rec.	122.300	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.025	mg/kg	
		Lab Fort Blk. % Rec.	127.500	%	70-130
	Isopropylbenzene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.024	mg/kg	
		Lab Fort Blk. % Rec.	123.300	%	70-130
	p-Isopropyltoluene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.024	mg/kg	
		Lab Fort Blk. % Rec.	124.900	%	70-130
	n-Propylbenzene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.023	mg/kg	
		Lab Fort Blk. % Rec.	119.600	%	70-130
	sec-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.024	mg/kg	
		Lab Fort Blk. % Rec.	121.800	%	70-130
	tert-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.024	mg/kg	
		Lab Fort Blk. % Rec.	120.000	%	70-160

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/VOL-20426

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85496					
	1,2,3-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.019	mg/kg	
		Lab Fort Blk. % Rec.	95.700	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.019	mg/kg	
		Lab Fort Blk. % Rec.	97.900	%	40-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.024	mg/kg	
		Lab Fort Blk. % Rec.	122.400	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.025	mg/kg	
		Lab Fort Blk. % Rec.	125.300	%	70-130
	Dibromomethane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.021	mg/kg	
		Lab Fort Blk. % Rec.	106.600	%	70-130
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.019	mg/kg	
		Lab Fort Blk. % Rec.	95.500	%	70-130
	4-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.025	mg/kg	
		Lab Fort Blk. % Rec.	125.800	%	70-130
	1,1-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.022	mg/kg	
		Lab Fort Blk. % Rec.	110.400	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.019	mg/kg	
		Lab Fort Blk. % Rec.	97.700	%	70-130
	1,3-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.020	mg/kg	
		Lab Fort Blk. % Rec.	104.300	%	70-130
	2,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.024	mg/kg	
		Lab Fort Blk. % Rec.	120.200	%	70-130
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.024	mg/kg	
		Lab Fort Blk. % Rec.	123.200	%	70-130
	1,2,3-Trichloropropane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.017	mg/kg	
		Lab Fort Blk. % Rec.	89.000	%	40-130
	n-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.024	mg/kg	
		Lab Fort Blk. % Rec.	120.000	%	70-160
	Dichlorodifluoromethane	Lab Fort Blank Amt.	0.020	mg/kg	

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Method Blanks

QC Batch Number: GCMS/VOL-20426

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85496					
	Dichlorodifluoromethane	Lab Fort Blk. Found	0.025	mg/kg	
		Lab Fort Blk. % Rec.	127.600	%	40-160
	Bromochloromethane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.019	mg/kg	
		Lab Fort Blk. % Rec.	99.200	%	70-130
	Bromobenzene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.024	mg/kg	
		Lab Fort Blk. % Rec.	120.500	%	70-130
	Acrylonitrile	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.016	mg/kg	
		Lab Fort Blk. % Rec.	81.300	%	70-160
	Carbon Disulfide	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.026	mg/kg	
		Lab Fort Blk. % Rec.	133.500	%	70-160
	2-Hexanone	Lab Fort Blank Amt.	0.200	mg/kg	
		Lab Fort Blk. Found	0.276	mg/kg	
		Lab Fort Blk. % Rec.	138.090	%	70-160
	trans-1,4-Dichloro-2-Butene	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.021	mg/kg	
		Lab Fort Blk. % Rec.	109.900	%	70-130
	Diethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.018	mg/kg	
		Lab Fort Blk. % Rec.	93.400	%	70-130
	Bromodichloromethane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.022	mg/kg	
		Lab Fort Blk. % Rec.	111.900	%	70-130
	1,2-Dibromo-3-Chloropropane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.020	mg/kg	
		Lab Fort Blk. % Rec.	100.100	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.021	mg/kg	
		Lab Fort Blk. % Rec.	107.400	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.017	mg/kg	
		Lab Fort Blk. % Rec.	89.500	%	70-130
	tert-Butyl Alcohol	Lab Fort Blank Amt.	0.200	mg/kg	
		Lab Fort Blk. Found	0.186	mg/kg	
		Lab Fort Blk. % Rec.	93.410	%	40-130
	Diisopropyl Ether	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.022	mg/kg	
		Lab Fort Blk. % Rec.	111.200	%	70-130
	tert-Butylethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.021	mg/kg	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

QC Batch Number: GCMS/VOL-20426

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85496					
	tert-Butylethyl Ether	Lab Fort Blk. % Rec.	106.100	%	70-130
	tert-Amylmethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg	
		Lab Fort Blk. Found	0.021	mg/kg	
		Lab Fort Blk. % Rec.	105.600	%	70-130

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Method Blanks

QC Batch Number: HG-9398

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B36123					
	Mercury	Sample Amount	<0.00010	mg/l	
		Matrix Spk Amt Added	0.00200	mg/l	
		MS Amt Measured	0.00196	mg/l	
		Matrix Spike % Rec.	98.20000	%	75-125
BLANK-123417					
	Mercury	Blank	<0.00010	mg/l	
LFBLANK-85138					
	Mercury	Lab Fort Blank Amt.	0.00200	mg/l	
		Lab Fort Blk. Found	0.00205	mg/l	
		Lab Fort Blk. % Rec.	102.60000	%	85-115

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: HG-9412

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B36116					
	Mercury	Sample Amount	0.019	mg/kg dry wt	
		Duplicate Value	<0.021	mg/kg dry wt	
		Duplicate RPD	>0.000	%	0-35
		Sample Amount	0.019	mg/kg dry wt	
		Matrix Spk Amt Added	0.466	mg/kg dry wt	
		MS Amt Measured	0.442	mg/kg dry wt	
		Matrix Spike % Rec.	90.654	%	75-125
BLANK-123548					
	Mercury	Blank	<0.025	mg/kg dry wt	
LFBLANK-85287					
	Mercury	Lab Fort Blank Amt.	0.500	mg/kg dry wt	
		Lab Fort Blk. Found	0.429	mg/kg dry wt	
		Lab Fort Blk. % Rec.	85.950	%	80-120

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SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

QC Batch Number: ICP-20122

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-123694					
	Silver	Blank	<0.50	mg/kg dry wt	
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Beryllium	Blank	<0.25	mg/kg dry wt	
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Chromium	Blank	<0.50	mg/kg dry wt	
	Copper	Blank	<0.50	mg/kg dry wt	
	Nickel	Blank	<0.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
	Antimony	Blank	<4.00	mg/kg dry wt	
	Selenium	Blank	<5.00	mg/kg dry wt	
	Thallium	Blank	<3.00	mg/kg dry wt	
	Zinc	Blank	1.56	mg/kg dry wt	
BLANK-123708					
	Nickel	Blank	<0.50	mg/kg dry wt	
LFBLANK-85446					
	Silver	Lab Fort Blank Amt.	81.20	mg/kg dry wt	
		Lab Fort Blk. Found	86.04	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.96	%	66-133
	Arsenic	Lab Fort Blank Amt.	133.00	mg/kg dry wt	
		Lab Fort Blk. Found	147.85	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.16	%	80-120
	Beryllium	Lab Fort Blank Amt.	117.00	mg/kg dry wt	
		Lab Fort Blk. Found	122.95	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.08	%	84-116
	Cadmium	Lab Fort Blank Amt.	103.00	mg/kg dry wt	
		Lab Fort Blk. Found	97.78	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.93	%	83-117
	Chromium	Lab Fort Blank Amt.	219.00	mg/kg dry wt	
		Lab Fort Blk. Found	225.71	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.06	%	82-118
	Copper	Lab Fort Blank Amt.	155.00	mg/kg dry wt	
		Lab Fort Blk. Found	153.86	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.26	%	83-117
	Nickel	Lab Fort Blank Amt.	119.00	mg/kg dry wt	
		Lab Fort Blk. Found	120.72	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.44	%	80-120
	Lead	Lab Fort Blank Amt.	168.00	mg/kg dry wt	
		Lab Fort Blk. Found	171.77	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.24	%	82-118
	Antimony	Lab Fort Blank Amt.	79.20	mg/kg dry wt	
		Lab Fort Blk. Found	82.91	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.69	%	30-207
	Selenium	Lab Fort Blank Amt.	94.10	mg/kg dry wt	

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QC Batch Number: ICP-20122

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85446					
	Selenium	Lab Fort Blk. Found	94.29	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.20	%	77-123
	Thallium	Lab Fort Blank Amt.	152.00	mg/kg dry wt	
		Lab Fort Blk. Found	153.55	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.02	%	82-120
	Zinc	Lab Fort Blank Amt.	280.00	mg/kg dry wt	
		Lab Fort Blk. Found	286.79	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.42	%	81-119
LFBLANK-85461					
	Nickel	Lab Fort Blank Amt.	119.00	mg/kg dry wt	
		Lab Fort Blk. Found	107.63	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.45	%	80-120

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QC Batch Number: ICP-20125

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-123696					
	Silver	Blank	<0.50	mg/kg dry wt	
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Barium	Blank	<5.00	mg/kg dry wt	
	Beryllium	Blank	<0.25	mg/kg dry wt	
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Chromium	Blank	<0.50	mg/kg dry wt	
	Copper	Blank	<0.50	mg/kg dry wt	
	Nickel	Blank	<0.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
	Antimony	Blank	<4.00	mg/kg dry wt	
	Selenium	Blank	<5.00	mg/kg dry wt	
	Thallium	Blank	<3.00	mg/kg dry wt	
	Vanadium	Blank	<5.00	mg/kg dry wt	
	Zinc	Blank	1.56	mg/kg dry wt	
BLANK-123697					
	Silver	Blank	<0.50	mg/kg dry wt	
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Barium	Blank	<5.00	mg/kg dry wt	
	Beryllium	Blank	<0.25	mg/kg dry wt	
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Chromium	Blank	<0.50	mg/kg dry wt	
	Copper	Blank	<0.50	mg/kg dry wt	
	Nickel	Blank	<0.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
	Antimony	Blank	<4.00	mg/kg dry wt	
	Selenium	Blank	<5.00	mg/kg dry wt	
	Thallium	Blank	<3.00	mg/kg dry wt	
	Vanadium	Blank	<5.00	mg/kg dry wt	
	Zinc	Blank	1.72	mg/kg dry wt	
LFBLANK-85448					
	Silver	Lab Fort Blank Amt.	81.20	mg/kg dry wt	
		Lab Fort Blk. Found	86.08	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.00	%	66-133
	Arsenic	Lab Fort Blank Amt.	133.00	mg/kg dry wt	
		Lab Fort Blk. Found	147.91	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.21	%	80-120
	Barium	Lab Fort Blank Amt.	226.00	mg/kg dry wt	
		Lab Fort Blk. Found	234.42	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.72	%	81-119
	Beryllium	Lab Fort Blank Amt.	117.00	mg/kg dry wt	
		Lab Fort Blk. Found	123.00	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.12	%	84-116
	Cadmium	Lab Fort Blank Amt.	103.00	mg/kg dry wt	

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: ICP-20125

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85448					
	Cadmium	Lab Fort Blk. Found	97.82	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.97	%	83-117
	Chromium	Lab Fort Blank Amt.	219.00	mg/kg dry wt	
		Lab Fort Blk. Found	225.81	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.10	%	82-118
	Copper	Lab Fort Blank Amt.	155.00	mg/kg dry wt	
		Lab Fort Blk. Found	153.93	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.30	%	83-117
	Nickel	Lab Fort Blank Amt.	119.00	mg/kg dry wt	
		Lab Fort Blk. Found	120.77	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.48	%	80-120
	Lead	Lab Fort Blank Amt.	168.00	mg/kg dry wt	
		Lab Fort Blk. Found	171.84	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.28	%	82-118
	Antimony	Lab Fort Blank Amt.	79.20	mg/kg dry wt	
		Lab Fort Blk. Found	82.95	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.73	%	30-207
	Selenium	Lab Fort Blank Amt.	94.10	mg/kg dry wt	
		Lab Fort Blk. Found	94.33	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.24	%	77-123
	Thallium	Lab Fort Blank Amt.	152.00	mg/kg dry wt	
		Lab Fort Blk. Found	153.62	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.06	%	82-120
	Vanadium	Lab Fort Blank Amt.	123.00	mg/kg dry wt	
		Lab Fort Blk. Found	122.35	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.47	%	80-120
	Zinc	Lab Fort Blank Amt.	280.00	mg/kg dry wt	
		Lab Fort Blk. Found	286.91	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.46	%	81-119
LFBLANK-85449					
	Silver	Lab Fort Blank Amt.	81.20	mg/kg dry wt	
		Lab Fort Blk. Found	87.36	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.58	%	66-133
	Arsenic	Lab Fort Blank Amt.	133.00	mg/kg dry wt	
		Lab Fort Blk. Found	148.40	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.57	%	80-120
	Barium	Lab Fort Blank Amt.	226.00	mg/kg dry wt	
		Lab Fort Blk. Found	239.03	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.76	%	81-119
	Beryllium	Lab Fort Blank Amt.	117.00	mg/kg dry wt	
		Lab Fort Blk. Found	122.00	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.27	%	84-116
	Cadmium	Lab Fort Blank Amt.	103.00	mg/kg dry wt	

con-test® ANALYTICAL LABORATORY

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: ICP-20125

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85449					
	Cadmium	Lab Fort Blk. Found	103.56	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.54	%	83-117
	Chromium	Lab Fort Blank Amt.	219.00	mg/kg dry wt	
		Lab Fort Blk. Found	228.84	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.49	%	82-118
	Copper	Lab Fort Blank Amt.	155.00	mg/kg dry wt	
		Lab Fort Blk. Found	159.13	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.66	%	83-117
	Nickel	Lab Fort Blank Amt.	119.00	mg/kg dry wt	
		Lab Fort Blk. Found	122.38	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.84	%	80-120
	Lead	Lab Fort Blank Amt.	168.00	mg/kg dry wt	
		Lab Fort Blk. Found	170.36	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.40	%	82-118
	Antimony	Lab Fort Blank Amt.	79.20	mg/kg dry wt	
		Lab Fort Blk. Found	83.82	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.83	%	30-207
	Selenium	Lab Fort Blank Amt.	94.10	mg/kg dry wt	
		Lab Fort Blk. Found	92.92	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.74	%	77-123
	Thallium	Lab Fort Blank Amt.	152.00	mg/kg dry wt	
		Lab Fort Blk. Found	155.36	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.21	%	82-120
	Vanadium	Lab Fort Blank Amt.	123.00	mg/kg dry wt	
		Lab Fort Blk. Found	123.71	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.57	%	80-120
	Zinc	Lab Fort Blank Amt.	280.00	mg/kg dry wt	
		Lab Fort Blk. Found	286.00	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.14	%	81-119

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

NOTES:

QC Batch No. : GCMS/VOL-20345
Sample ID : LFBLANK-84961
Analysis : Carbon Disulfide

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : GCMS/VOL-20362
Sample ID : LFBLANK-85054
Analysis : Bromoform

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC Batch No. : GCMS/VOL-20362
Sample ID : LFBLANK-85054
Analysis : Carbon Disulfide

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : GCMS/VOL-20362
Sample ID : LFBLANK-85054
Analysis : trans-1,4-Dichloro-2-Butene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory *Client:* Metcalf & Eddy

Project Location: BRIDGEPORT, CT *Project Number:* LIMT-19446.

Laboratory Sample ID(s): 08B36111 – 08B36126. *Sampling Date(s):* 9/8/08 – 9/9/08

List RCP Methods Used (e.g., 8260, 8270, et cetera) 6020, 8260, 9014, ETPH, 7470, 6010, 7471, 8270,

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

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

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

Authorized Signature: Edward Denson **Position: Technical Director**

Printed Name: Edward Denson **Date:** 9/22/08

Name of Laboratory: CON-TEST ANALYTICAL LABORATORY

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

1
SOLAR

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Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

Limit 19446

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Company Name: METCALF + EDDY INC
Address: 860 N. MAIN ST. EXT.
WALLINGFORD, CT 06492
Attention: LUCAS HELLERICH
Project Location: BRIDGEPORT, CT
Sampled By: J CANTOR

Telephone: (203) 269-7310
Project # 60045450.02
Client PO #

DATA DELIVERY (check one):
☐ FAX ☑ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: Lucas.Hellerich@aecom.com
Format: ☑ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes) ☐ yes _____ proposal date
State Form Required? ☐ yes ☐ no

Field ID	Sample Description	Lab # 08R	Date Sampled Start Date/Time	Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	CT ETPH	CT RSR IS Metals	SPLP CT RSR IS Metals	Cyanide	SPLP Cyanide	Hex. Chrome	VOC EPA 5035A/8260B					# of containers
	SB-1	36111	9/8/08	1540		x	S	U	X	X	H			H	X					
	SB-1D	36112	9/8/08	1542		x	S	U	X	X	H			H	*					
	SB-2	36113	9/8/08	1535		x	S	U	X	X	H			H	X					
	SB-3	36114	9/8/08	1010		x	S	U				X	H							
	SB-5b	36115	9/8/08	1030		x	S	U		X	H	X	H	H						
	SB-6b	36116	9/8/08	1105		x	S	U		X	H	X	H	H						
	SB-6d	DI VIALS / ENCORE 36117 FROZEN AT: 36118 09-09-08 17:19 OUT	9/8/08	1115		x	S	M-H	X						X					
	SB-16		9/8/08	1116		x	S	M-H							X					

Client Comments:
CT RCP ANALYSIS REQUIRED
H = EXTRACT AND HOLD
No 2.5 in jar rec'd. Use result from SB-6D per Lucas H. AP 9/12.

ANALYSIS REQUESTED

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

Laboratory Comments:
cH

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) J CANTOR	Date/Time: 9/9/08 1415	
Received by: (signature)	Date/Time: 9-9-8 1415	
Relinquished by: (signature)	Date/Time: 9-9-8 1606	
Received by: (signature) 4°C	Date/Time: 9/9/08 1608	

Turnaround **
☑ 7-Day
☐ 10-Day
☐ Other ____
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? _____
Data Enhancement Project/RCP? ☑ Y ☐ N
Special Requirements or DL's: RCP required

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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Email: info@contestlabs.com
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CHAIN OF CUSTODY RECORD

Limit 19446

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Company Name: Metcalf + Eddy, Inc.
Address: 800 N. Main St. Ext. Wallingford, CT 06492
Attention: Lucas Hellerich
Project Location: Bridgeport, CT
Sampled By: Kanton

Telephone: (203) 269-7300
Project # 60045450.02
Client PO #

DATA DELIVERY (check one):
☐ FAX ☑ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: lucas.hellerich2@aecom.com
Format: ☑ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes) ☐ yes ____ proposal date
State Form Required? ☐ yes ☐ no

Field ID	Sample Description	Lab # 058	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	CT ETPH	CT RCP SVOCs	SPLP CT RCP Metals	Cyanide	SPLP Cyanide	Hex Chromium	VOC EPA 5035/8260B	PAH	SPLP PAH	# of containers	**Preservation	~Cont.Code
	SB-9b	36119	9/8/08	1445		x	S	U		X	H	X	H	H						
	Comp-1	36120	9/8/08	2005	x		S	U		X	H	X	H	H		X	H			
	Comp-2	36121	9/8/08	2055	x		S	U		X	H			H		X	H			
	TB	36122	9/8/08	2100	-	-	O	C							X					
⊗	EB	36123	9/9/08	1030	-	-	O	C	X ⊗	X		X ⊗			X	X ⊗				
	DI VIALS / ENCORE FROZEN AT: 09-09-08 17:19 OUT																			

ANALYSIS REQUESTED

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

Client Comments:
CT RCP ANALYSIS REQUIRED
H: EXTRACT AND HOLD
⊗ Insufficient Sample rec'd. Client to resample 9/11 ND 9/10/08

Laboratory Comments:
⊗ Client to resample EB for ETPH, PAH, Cyanide Thursday 9/11/08. ND 09/10/08

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; **M** - Medium; **L** - Low; **C** - Clean; **U** - Unknown

Relinquished by: (signature)	Date/Time:
Kanton	9/9/08 1415
Received by: (signature)	Date/Time:
	9-9-8 1415
Relinquished by: (signature)	Date/Time:
	9-9-8 1606
Received by: (signature)	Date/Time:
Kyle Fontaine 4°C	9/9/08 1606

Turnaround **
☑ 7-Day
☐ 10-Day
☐ Other ____
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? ____
Data Enhancement Project/RCP? ☑ Y ☐ N
Special Requirements or DL's: CT RCP

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other BLANK

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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CHAIN OF CUSTODY RECORD

Limit-36 19446

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Company Name: Metcalf Eddy, Inc.
Address: 860 N. Main St. Ext
Wallingford, CT 06492
Attention: Lucas Hellerich
Project Location: Bridgeport, CT
Sampled By: Kantor

Telephone: (203) 269-7300
Project # 60045456.02
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: Lucas.Hellerich@M-E.AEcom.com
Format: ☒ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab # 08B	Date Sampled: Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PRI3 METALS	TCLP RCRA 8 METALS	# of containers	**Preservation	~Cont.Code
	CC-1	36124	9/8/08	0905		X	O	U	X	H			
	CC-2	36125	9/8/08	1007		X	O	U	X	H			
	CC-3	36126	9/8/08	1014		X	O	U	X	H			
	DI VIALS / ENCORE FROZEN AT: 09-09-08 17:19 OUT												

ANALYSIS REQUESTED

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

Client Comments:
CT RCP Analysis Required
H: Extract and Hold

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; **M** - Medium; **L** - Low; **C** - Clean; **U** - Unknown

Relinquished by: (signature)	Ken Kantor	Date/Time: 9/9/08 1415
Received by: (signature)		Date/Time: 9-5-8 1415
Relinquished by: (signature)		Date/Time: 9-9-8 1606
Received by: (signature)	4°C	Date/Time: 9/9/08 1606

Turnaround **
☒ 7-Day
☐ 10-Day
☐ Other
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations?
Data Enhancement Project/RCP? ☒ Y ☐ N
Special Requirements or DL's: CT RCP

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other Conc. Chips

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

1 of 5

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: Metcalf + Eddy RECEIVED BY: KRL DATE: 9/9/08

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice ☐ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No

Temperature °C by Temp blank 4°C Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes (No) Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 18

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	3
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)	16	2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below	10	Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

~~Rec'd 1x1L for~~ If Insufficient Sample to run Eq Blk. client to resample.
No % Solids rec'd for SB-16.

mL vials: # HCl _____ # Methanol 5

Bisulfate _____ # DI Water 5

Thiosulfate _____ Unpreserved _____

Time and Date Frozen: 09-09-08 17:18 OUT

all samples have the proper pH: Yes No N/A

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 10/1/2008

METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492
ATTN: LUCAS HELLERICH

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19947
JOB NUMBER: 60045450.02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

PROJECT LOCATION: BRIDGEPORT, CT.

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
CC-1	08B38693	SOIL	Not Specified	tclp - metals	
CC-1	08B38698	SOIL	Not Specified	chromium 6 drywt	
CC-2	08B38694	SOIL	Not Specified	tclp - metals	
CC-2	08B38699	SOIL	Not Specified	chromium 6 drywt	
CC-3	08B38695	SOIL	Not Specified	tclp - metals	
CC-3	08B38700	SOIL	Not Specified	chromium 6 drywt	
COMP-1	08B38688	SOIL	Not Specified	splp - pah	
COMP-2	08B38689	SOIL	Not Specified	chromium 6 drywt	
SB-01	08B38692	SOIL	Not Specified	splp -14 ga rcp	
SB-01	08B38692	SOIL	Not Specified	splp mercury	
SB-05B	08B38690	SOIL	Not Specified	splp - cyanide	
SB-05B	08B38690	SOIL	Not Specified	splp -14 ga rcp	
SB-05B	08B38696	SOIL	Not Specified	chromium 6 drywt	
SB-06B	08B38691	SOIL	Not Specified	splp -14 ga rcp	
SB-06B	08B38697	SOIL	Not Specified	chromium 6 drywt	

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PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19947
JOB NUMBER: 60045450.02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

Comments :

LIMS BATCH NO. : LIMT-19947

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
In method 8270 SPLP, for sample 08B38688, recommended sample holding time was exceeded.

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2 degrees as specified on the chain-of-custody form unless listed below: All properly preserved.

In method SW846-7196 solid matrix, for sample 08B38697, matrix spike, matrix spike duplicate, post digestion spike, and insoluble matrix recoveries were outside control limits. Analysis is in control based on laboratory fortified blank recovery. pH and ORP results indicate reducing conditions, therefore reanalysis is not required.

In method 6020, for sample 08B38692, the reported result for Cu is estimated. Value is reported over the verified linear calibration range. The LFB recovery is outside control limits for Zn. Reported results for this element may be bias on the high side.

Matrix spike performed on sample 08B38692. The ms recovery is outside control limits for Cu. Possibility of sample matrix effects that may lead to a low bias for reported result cannot be eliminated.

There are no other analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846 7470A - ADDITIONAL COMMENTS

Matrix spikes were performed on TCLP sample 08B38694 and SPLP sample 08B38692.

METHOD SW846-7196A SOLID MATRIX - ADDITIONAL DETAILS

All 7196A SOLUBLE matrix spike and matrix spike duplicate recoveries, sample duplicate RPDs and MSDRPDs, if requested in this batch were within control limits specified by the method and are reported in the QC summary section of this report unless listed below and/or otherwise listed in this narrative.

All 7196A SOLUBLE matrix spike recoveries are listed below and are within control limits specified by the method unless otherwise specified in this narrative.

SAMPLE NUMBER	INSOLUBLE MATRIX SPIKE RECOVERY
08B38697	148 %

All post digestion matrix spikes were within control limits specified by the method unless otherwise listed in this narrative.

SAMPLE NUMBER	POST DIGESTION MATRIX SPIKE RECOVERY

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REPORT DATE 10/1/2008

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CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19947
JOB NUMBER: 60045450.02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

08B38697 136 %

Results for required pH and ORP (oxidation reduction potential) measurements for a sample representative of the matrix in this batch are listed below:

Sample number tested that is representative of matrix type	pH	ORP
08B38697	7.72	181mV

pH and ORP measurements are indicative of reducing conditions in the sample matrix type.

Failing matrix spike recovery data do not warrant reanalysis since reducing conditions are present in the sample matrix.

Reporting limits were not raised due to sample dilutions unless indicated below:

Sample	Dilution(s)
08B38689	x10
08B38696	x10
08B38697	x10
08B38700	x1000

METHOD SW846 8270 SPLP - ADDITIONAL COMMENTS

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative:
Difficult analytes for water - limits between 10 and 150% depending on the compound (see qc summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol
Compounds outside of control limits: None outside of control limits

In method 8270 SPLP, only PAH compounds were requested and reported.

METHOD SW846 9014 - ADDITIONAL COMMENTS

A matrix spike and a matrix spike duplicate were performed on sample 08B38690.

METHOD SW846-6010 - ADDITIONAL DETAILS

Matrix spike performed on sample 08B38694.

Only RCRA 8 metals were requested and reported.

METHOD SW846-6020 - ADDITIONAL DETAILS

The CCV is outside control limits for Ag. Data is not affected since the sample results are non detect and the bias is on the high side.

For sample 08B38690, only Sb, As, Cd, Cr, Cu, Pb, Ni, Tl, V, and Zn results were requested

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REPORT DATE 10/1/2008

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WALLINGFORD, CT 06492
ATTN: LUCAS HELLERICH

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19947
JOB NUMBER: 60045450.02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

and reported.
For sample 08B38691, only As, Cd, Cr, Cu, Pb, Ni, Ag, and V results were requested and reported.
For sample 08B38692, only Sb, Ba, Cd, Cr, Cu, Pb, Ni, Tl, and V results were requested and reported.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 10/1/08

SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Douglas Sheeley
Laboratory Manager

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

10/1/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT.
Date Received: 9/22/2008

LIMS-BAT #: LIMT-19947
Job Number: 60045450.02

Field Sample # : CC-1

Sample ID : 08B38698

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Chromium (+6)	mg/kg dry wt	0.68	09/26/08	SBP	0.07			
Extraction Date CR+6		9/25/2008	09/26/08	SBP				

Field Sample # : CC-2

Sample ID : 08B38699

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Chromium (+6)	mg/kg dry wt	ND	09/26/08	SBP	0.17			
Extraction Date CR+6		9/25/2008	09/26/08	SBP				

Field Sample # : CC-3

Sample ID : 08B38700

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Chromium (+6)	mg/kg dry wt	879	09/26/08	SBP	64.3			
Extraction Date CR+6		9/25/2008	09/26/08	SBP				

Field Sample # : COMP-2

Sample ID : 08B38689

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Chromium (+6)	mg/kg dry wt	ND	09/26/08	SBP	1.81			
Extraction Date CR+6		9/25/2008	09/26/08	SBP				

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* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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10/1/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT.
Date Received: 9/22/2008
LIMS-BAT #: LIMT-19947
Job Number: 60045450.02

Field Sample # : SB-05B

Sample ID : 08B38696

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Chromium (+6)	mg/kg dry wt	ND	09/26/08	SBP	1.82			
Extraction Date CR+6		9/25/2008	09/26/08	SBP				

Field Sample # : SB-06B

Sample ID : 08B38697

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Chromium (+6)	mg/kg dry wt	ND	09/26/08	SBP	1.80			
Extraction Date CR+6		9/25/2008	09/26/08	SBP				

Analytical Method:
SW846 7196
ALKALINE DIGESTION BY SW846 3060A OF SOLID FOLLOWED BY COLORIMETRIC ANALYSIS WITH S-DIPHENYLCARBAZIDE.

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10/1/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT.
Date Received: 9/22/2008
Field Sample # : SB-05B
Sample ID : 08B38690
‡Sampled : 9/8/2008
Not Specified
Sample Matrix: SOIL

LIMS-BAT #: LIMT-19947
Job Number: 60045450.02

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cyanide	mg/l	0.283	09/26/08	VAK	0.010			

Analytical Method:
1312/9014/335.3
SAMPLES ARE EXTRACTED ACCORDING TO SPLP. THE LEACHATE IS DISTILLED AND ANALYZED BY THE CHLORAMINE-T/PYRIDINE-BARBITURIC ACID AUTOMATED FLOW INJECTION SPECTROPHOTOMETRIC METHOD.

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT.
Date Received: 9/22/2008
Field Sample # : COMP-1

LIMS-BAT #: LIMT-19947
Job Number: 60045450.02

Sample ID : 08B38688

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	ug/l	ND	09/29/08	BGL	0.30			
Acenaphthylene	ug/l	ND	09/29/08	BGL	0.30			
Anthracene	ug/l	ND	09/29/08	BGL	0.20			
Benzo(a)anthracene	ug/l	0.080	09/29/08	BGL	0.050			
Benzo(a)pyrene	ug/l	ND	09/29/08	BGL	0.100			
Benzo(b)fluoranthene	ug/l	ND	09/29/08	BGL	0.050			
Benzo(g,h,i)perylene	ug/l	ND	09/29/08	BGL	0.500			
Benzo(k)fluoranthene	ug/l	ND	09/29/08	BGL	0.200			
Chrysene	ug/l	ND	09/29/08	BGL	0.20			
Dibenz(a,h)anthracene	ug/l	ND	09/29/08	BGL	0.500			
Fluoranthene	ug/l	ND	09/29/08	BGL	0.50			
Fluorene	ug/l	ND	09/29/08	BGL	1.00			
Indeno(1,2,3-cd)pyrene	ug/l	ND	09/29/08	BGL	0.500			
2-Methylnaphthalene	ug/l	ND	09/29/08	BGL	1.00			
Naphthalene	ug/l	ND	09/29/08	BGL	1.00			
Phenanthrene	ug/l	1.07	09/29/08	BGL	0.05			
Pyrene	ug/l	ND	09/29/08	BGL	1.00			

Analytical Method:
SW846 1312/8270
SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP. WATER SAMPLES ARE FILTERED, NOT EXTRACTED. THIS EXTRACT IS THEN EXTRACTED WITH METHYLENE CHLORIDE, FOLLOWED BY KUDERNA-DANISH EVAPORATIVE CONCENTRATION AND QUANTITATION BY GC/MS WITH TARGET COMPOUND ANALYSIS.

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT.
Date Received: 9/22/2008
Field Sample # : SB-01
Sample ID : 08B38692
‡Sampled : 9/8/2008
Not Specified
Sample Matrix: SOIL

LIMS-BAT #: LIMT-19947
Job Number: 60045450.02

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	ug/L	ND	09/29/08	AMP	5.00			
Arsenic	ug/L		09/29/08	AMP				
Barium	ug/L	ND	09/29/08	AMP	250			
Beryllium	ug/L		09/29/08	AMP				
Cadmium	ug/L	ND	09/29/08	AMP	2.50			
Chromium	ug/L	ND	09/29/08	AMP	50.0			
Copper	ug/L	957	09/29/08	AMP	25.0			
Lead	ug/L	110	09/29/08	AMP	5.00			
Nickel	ug/L	ND	09/29/08	AMP	25.0			
Selenium	ug/L		09/29/08	AMP				
Silver	ug/L		09/29/08	AMP				
Thallium	ug/L	ND	09/29/08	AMP	1.00			
Vanadium	ug/L	ND	09/29/08	AMP	25.0			
Zinc	ug/L		09/29/08	AMP				

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WALLINGFORD, CT 06492

10/1/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT.
Date Received: 9/22/2008
Field Sample # : SB-05B

LIMS-BAT #: LIMT-19947
Job Number: 60045450.02

Sample ID : 08B38690

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	ug/L	ND	09/29/08	AMP	5.00			
Arsenic	ug/L	ND	09/29/08	AMP	2.00			
Barium	ug/L		09/29/08	AMP				
Beryllium	ug/L		09/29/08	AMP				
Cadmium	ug/L	592	09/29/08	AMP	2.50			
Chromium	ug/L	190	09/29/08	AMP	50.0			
Copper	ug/L	115	09/29/08	AMP	25.0			
Lead	ug/L	9.42	09/29/08	AMP	5.00			
Nickel	ug/L	51.2	09/29/08	AMP	25.0			
Selenium	ug/L		09/29/08	AMP				
Silver	ug/L		09/29/08	AMP				
Thallium	ug/L	1.68	09/29/08	AMP	1.00			
Vanadium	ug/L	ND	09/29/08	AMP	25.0			
Zinc	ug/L	370	09/29/08	AMP	100			

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WALLINGFORD, CT 06492

10/1/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT.
Date Received: 9/22/2008
Field Sample # : SB-06B
Sample ID : 08B38691
‡Sampled : 9/8/2008
Not Specified
Sample Matrix: SOIL

LIMS-BAT #: LIMT-19947
Job Number: 60045450.02

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	ug/L		09/29/08	AMP				
Arsenic	ug/L	ND	09/29/08	AMP	2.00			
Barium	ug/L		09/29/08	AMP				
Beryllium	ug/L		09/29/08	AMP				
Cadmium	ug/L	7.97	09/29/08	AMP	2.50			
Chromium	ug/L	ND	09/29/08	AMP	50.0			
Copper	ug/L	ND	09/29/08	AMP	25.0			
Lead	ug/L	9.66	09/29/08	AMP	5.00			
Nickel	ug/L	ND	09/29/08	AMP	25.0			
Selenium	ug/L		09/29/08	AMP				
Silver	ug/L	ND	09/29/08	AMP	2.50			
Thallium	ug/L		09/29/08	AMP				
Vanadium	ug/L	ND	09/29/08	AMP	25.0			
Zinc	ug/L		09/29/08	AMP				

Analytical Method:
SW846 1312/6020
SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE LEACHING SOLUTION ACCORDING TO SPLP AND ANALYZED BY ICPMS. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

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NM = Not Measured

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT.
Date Received: 9/22/2008
Field Sample # : SB-01
Sample ID : 08B38692
‡Sampled : 9/8/2008
Not Specified
Sample Matrix: SOIL

LIMS-BAT #: LIMT-19947
Job Number: 60045450.02

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/l leachate	ND	09/26/08	KM	0.00010		0.2	P

Analytical Method:
SW846 1312/7470

SW846 1312 SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP). SAMPLES ARE LEACHED FOR 16-20 HOURS IN THE APPROPRIATE SOLUTION ACCORDING TO SPLP. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

SW846 7470 MERCURY LEACHATE IS ANALYZED BY COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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LUCAS HELLERICH
METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT.
Date Received: 9/22/2008
LIMS-BAT #: LIMT-19947
Job Number: 60045450.02

Field Sample # : CC-1

Sample ID : 08B38693

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	0.051	09/29/08	OP	0.010		5	P
Barium	mg/l leachate	ND	09/29/08	OP	0.10		100	P
Cadmium	mg/l leachate	ND	09/29/08	OP	0.005		1	P
Chromium	mg/l leachate	0.41	09/29/08	OP	0.01		5	P
Lead	mg/l leachate	0.074	09/29/08	OP	0.015		5	P
Mercury	mg/l leachate	ND	09/26/08	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	09/29/08	OP	0.05		1	P
Silver	mg/l leachate	ND	09/29/08	OP	0.005		5	P

Field Sample # : CC-2

Sample ID : 08B38694

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	0.054	09/29/08	OP	0.010		5	P
Barium	mg/l leachate	ND	09/29/08	OP	0.10		100	P
Cadmium	mg/l leachate	ND	09/29/08	OP	0.005		1	P
Chromium	mg/l leachate	0.47	09/29/08	OP	0.01		5	P
Lead	mg/l leachate	0.073	09/29/08	OP	0.015		5	P
Mercury	mg/l leachate	ND	09/26/08	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	09/29/08	OP	0.05		1	P
Silver	mg/l leachate	ND	09/29/08	OP	0.005		5	P

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LUCAS HELLERICH
METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

10/1/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT.
Date Received: 9/22/2008
Field Sample # : CC-3

LIMS-BAT #: LIMT-19947
Job Number: 60045450.02

Sample ID : 08B38695

‡Sampled : 9/8/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	0.144	09/29/08	OP	0.010		5	P
Barium	mg/l leachate	0.11	09/29/08	OP	0.10		100	P
Cadmium	mg/l leachate	1.43	09/29/08	OP	0.005		1	F
Chromium	mg/l leachate	19.6	09/29/08	OP	0.01		5	F
Lead	mg/l leachate	0.088	09/29/08	OP	0.015		5	P
Mercury	mg/l leachate	0.00094	09/26/08	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	09/29/08	OP	0.05		1	P
Silver	mg/l leachate	0.081	09/29/08	OP	0.005		5	P

Analytical Method:

SW846 1311/6010 1311/7470

SW846 1311 TCLP EXTRACTION. SAMPLES ARE EXTRACTED FOR 18-24 HOURS INTO A pH 5.0 BUFFER SOLUTION TO PRODUCE A LEACHATE. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

SW846 6010 ARSENIC, BARIUM, CADMIUM, CHROMIUM, LEAD, SELENIUM AND SILVER LEACHATES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY.

SW846 7470 MERCURY LEACHATE IS ANALYZED BY COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY.

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NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: BRIDGEPORT, CT.
Date Received: 9/22/2008

LIMS-BAT #: LIMT-19947
Job Number: 60045450.02

** END OF REPORT **

RL = Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 10/1/2008 Lims Bat # : LIMT-19947

QC Batch Number: BATCH-15203

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B38692					
	Barium	Sample Amount	<250.	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	512.20	ug/L	
		Matrix Spike % Rec.	102.44	%	75-125
	Cadmium	Sample Amount	<2.50	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	506.10	ug/L	
		Matrix Spike % Rec.	101.22	%	75-125
	Chromium	Sample Amount	<50.0	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	481.10	ug/L	
		Matrix Spike % Rec.	96.22	%	75-125
	Copper	Sample Amount	956.90	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	1329.60	ug/L	
		Matrix Spike % Rec.	74.54	%	75-125
	Nickel	Sample Amount	<25.0	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	486.00	ug/L	
		Matrix Spike % Rec.	97.20	%	75-125
	Lead	Sample Amount	110.25	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	608.20	ug/L	
		Matrix Spike % Rec.	99.59	%	75-125
	Antimony	Sample Amount	<5.00	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	521.60	ug/L	
		Matrix Spike % Rec.	104.32	%	75-125
	Thallium	Sample Amount	<1.00	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	458.20	ug/L	
		Matrix Spike % Rec.	91.64	%	75-125
	Vanadium	Sample Amount	<25.0	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	501.90	ug/L	
		Matrix Spike % Rec.	100.38	%	75-125
BLANK-124383					
	Silver	Blank	<2.50	ug/L	
	Arsenic	Blank	<2.00	ug/L	
	Barium	Blank	<250.	ug/L	
	Beryllium	Blank		%	
	Cadmium	Blank	<2.50	ug/L	
	Chromium	Blank	<50.0	ug/L	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: BATCH-15203

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-124383					
	Copper	Blank	<25.0	ug/L	
	Nickel	Blank	<25.0	ug/L	
	Lead	Blank	<5.00	ug/L	
	Antimony	Blank	<5.00	ug/L	
	Selenium	Blank	<25.0	ug/L	
	Thallium	Blank	<1.00	ug/L	
	Vanadium	Blank	<25.0	ug/L	
	Zinc	Blank	<100.	ug/L	
LFBLANK-86147					
	Silver	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	428.70	ug/L	
		Lab Fort Blk. % Rec.	85.74	%	80-120
	Arsenic	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	569.20	ug/L	
		Lab Fort Blk. % Rec.	113.84	%	80-120
	Barium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	553.70	ug/L	
		Lab Fort Blk. % Rec.	110.74	%	80-120
	Cadmium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	574.20	ug/L	
		Lab Fort Blk. % Rec.	114.84	%	80-120
	Chromium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	529.50	ug/L	
		Lab Fort Blk. % Rec.	105.90	%	80-120
	Copper	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	525.79	ug/L	
		Lab Fort Blk. % Rec.	105.16	%	80-120
	Nickel	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	521.40	ug/L	
		Lab Fort Blk. % Rec.	104.28	%	80-120
	Lead	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	570.70	ug/L	
		Lab Fort Blk. % Rec.	114.14	%	80-120
	Antimony	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	577.50	ug/L	
		Lab Fort Blk. % Rec.	115.50	%	80-120
	Selenium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	530.10	ug/L	
		Lab Fort Blk. % Rec.	106.02	%	80-120
	Thallium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	498.50	ug/L	
		Lab Fort Blk. % Rec.	99.70	%	80-120
	Vanadium	Lab Fort Blank Amt.	500.00	ug/L	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: BATCH-15203

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-86147					
	Vanadium	Lab Fort Blk. Found	529.60	ug/L	
		Lab Fort Blk. % Rec.	105.92	%	80-120
	Zinc	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	622.10	ug/L	
		Lab Fort Blk. % Rec.	124.42	%	80-120

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: CYANIDE-3049

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B38690					
	Cyanide	Sample Amount	0.283	mg/l	
		Matrix Spk Amt Added	0.355	mg/l	
		MS Amt Measured	0.700	mg/l	
		Matrix Spike % Rec.	117.464	%	75-125
		MSD Amount Added	0.355	mg/l	
		MSD Amt Measured	0.681	mg/l	
		MSD % Recovery	112.112	%	
		MSD Range	5.352	units	
		MS Duplicate RPD	2.751	%	20 Max.
BLANK-124213					
	Cyanide	Blank	<0.010	mg/l	
LFBLANK-85978					
	Cyanide	Lab Fort Blank Amt.	0.687	mg/l	
		Lab Fort Blk. Found	0.669	mg/l	
		Lab Fort Blk. % Rec.	97.379	%	
STDADD-34791					
	Cyanide	Standard Measured	0.335	mg/l	
		Standard Amt Added	0.355	mg/l	
		Standard % Recovery	94.366	%	80-120

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/SEMI-11451

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B38688					
	Nitrobenzene-d5	Surrogate Recovery	52.4	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	56.8	%	30-130
	Terphenyl-d14	Surrogate Recovery	48.4	%	30-130
BLANK-124380					
	Naphthalene	Blank	<1.00	ug/l	
	Acenaphthene	Blank	<0.30	ug/l	
	Acenaphthylene	Blank	<0.30	ug/l	
	Anthracene	Blank	<0.20	ug/l	
	Benzo(a)anthracene	Blank	<0.050	ug/l	
	Benzo(a)pyrene	Blank	<0.100	ug/l	
	Benzo(b)fluoranthene	Blank	<0.050	ug/l	
	Benzo(g,h,i)perylene	Blank	<0.500	ug/l	
	Chrysene	Blank	<0.20	ug/l	
	Dibenz(a,h)anthracene	Blank	<0.500	ug/l	
	Fluoranthene	Blank	<0.50	ug/l	
	Fluorene	Blank	<1.00	ug/l	
	Indeno(1,2,3-cd)pyrene	Blank	<0.500	ug/l	
	2-Methylnaphthalene	Blank	<1.00	ug/l	
	Phenanthrene	Blank	<0.05	ug/l	
	Pyrene	Blank	<1.00	ug/l	
	Benzo(k)fluoranthene	Blank	<0.200	ug/l	
LFBLANK-86144					
	Naphthalene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	27.08	ug/l	
		Lab Fort Blk. % Rec.	54.16	%	40-140
	Acenaphthene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	28.81	ug/l	
		Lab Fort Blk. % Rec.	57.62	%	40-140
	Acenaphthylene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	28.69	ug/l	
		Lab Fort Blk. % Rec.	57.38	%	40-140
	Anthracene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	30.78	ug/l	
		Lab Fort Blk. % Rec.	61.56	%	40-140
	Benzo(a)anthracene	Lab Fort Blank Amt.	50.000	ug/l	
		Lab Fort Blk. Found	28.610	ug/l	
		Lab Fort Blk. % Rec.	57.220	%	40-140
	Benzo(a)pyrene	Lab Fort Blank Amt.	50.000	ug/l	
		Lab Fort Blk. Found	29.720	ug/l	
		Lab Fort Blk. % Rec.	59.440	%	40-140
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	50.000	ug/l	
		Lab Fort Blk. Found	29.450	ug/l	
		Lab Fort Blk. % Rec.	58.900	%	40-140

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Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/SEMI-11451

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-86144					
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	50.000	ug/l	
		Lab Fort Blk. Found	24.040	ug/l	
		Lab Fort Blk. % Rec.	48.080	%	40-140
	Chrysene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	31.05	ug/l	
		Lab Fort Blk. % Rec.	62.10	%	40-140
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	50.000	ug/l	
		Lab Fort Blk. Found	27.560	ug/l	
		Lab Fort Blk. % Rec.	55.120	%	40-140
	Fluoranthene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	29.14	ug/l	
		Lab Fort Blk. % Rec.	58.28	%	40-140
	Fluorene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	29.04	ug/l	
		Lab Fort Blk. % Rec.	58.08	%	40-140
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	50.000	ug/l	
		Lab Fort Blk. Found	25.710	ug/l	
		Lab Fort Blk. % Rec.	51.420	%	40-140
	2-Methylnaphthalene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	27.79	ug/l	
		Lab Fort Blk. % Rec.	55.58	%	40-140
	Phenanthrene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	29.38	ug/l	
		Lab Fort Blk. % Rec.	58.76	%	40-140
	Pyrene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	29.34	ug/l	
		Lab Fort Blk. % Rec.	58.68	%	40-140
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	50.000	ug/l	
		Lab Fort Blk. Found	31.520	ug/l	
		Lab Fort Blk. % Rec.	63.040	%	40-140

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: HG/TCLP-3276

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B38694					
	Mercury	Sample Amount	<0.00010	mg/l leachate	
		Matrix Spk Amt Added	0.00200	mg/l leachate	
		MS Amt Measured	0.00211	mg/l leachate	
		Matrix Spike % Rec.	105.50000	%	75-125
BLANK-124277					
	Mercury	Blank	<0.00010	mg/l leachate	
LFBLANK-86044					
	Mercury	Lab Fort Blank Amt.	0.00200	mg/l leachate	
		Lab Fort Blk. Found	0.00179	mg/l leachate	
		Lab Fort Blk. % Rec.	89.70000	%	80-120

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: HG/TCLP-3277

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B38692					
	Mercury	Sample Amount	<0.00010	mg/l leachate	
		Matrix Spk Amt Added	0.00200	mg/l leachate	
		MS Amt Measured	0.00182	mg/l leachate	
		Matrix Spike % Rec.	91.05000	%	75-125
BLANK-124285					
	Mercury	Blank	<0.00010	mg/l leachate	
LFBLANK-86051					
	Mercury	Lab Fort Blank Amt.	0.00200	mg/l leachate	
		Lab Fort Blk. Found	0.00182	mg/l leachate	
		Lab Fort Blk. % Rec.	91.10000	%	80-120

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: ICP/TCLP-4467

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B38694					
	Silver	Sample Amount	<0.005	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.429	mg/l leachate	
		Matrix Spike % Rec.	85.840	%	
	Arsenic	Sample Amount	0.054	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.586	mg/l leachate	
		Matrix Spike % Rec.	106.469	%	70-130
	Barium	Sample Amount	<0.10	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	0.52	mg/l leachate	
		Matrix Spike % Rec.	105.90	%	70-130
	Cadmium	Sample Amount	<0.005	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.527	mg/l leachate	
		Matrix Spike % Rec.	105.460	%	70-130
	Chromium	Sample Amount	0.46	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	0.96	mg/l leachate	
		Matrix Spike % Rec.	99.08	%	70-130
	Lead	Sample Amount	0.072	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.549	mg/l leachate	
		Matrix Spike % Rec.	95.401	%	70-130
	Selenium	Sample Amount	<0.05	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	0.40	mg/l leachate	
		Matrix Spike % Rec.	80.76	%	70-130
BLANK-124317					
	Silver	Blank	<0.005	mg/l leachate	
	Arsenic	Blank	<0.010	mg/l leachate	
	Barium	Blank	<0.10	mg/l leachate	
	Cadmium	Blank	<0.005	mg/l leachate	
	Chromium	Blank	<0.01	mg/l leachate	
	Lead	Blank	<0.015	mg/l leachate	
	Selenium	Blank	<0.05	mg/l leachate	
LFBLANK-86086					
	Silver	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.420	mg/l leachate	
		Lab Fort Blk. % Rec.	84.160	%	80-120
	Arsenic	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.541	mg/l leachate	
		Lab Fort Blk. % Rec.	108.200	%	80-120

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: ICP/TCLP-4467

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-86086					
	Barium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.52	mg/l leachate	
		Lab Fort Blk. % Rec.	104.16	%	80-120
	Cadmium	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.530	mg/l leachate	
		Lab Fort Blk. % Rec.	106.140	%	80-120
	Chromium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.50	mg/l leachate	
		Lab Fort Blk. % Rec.	100.50	%	80-120
	Lead	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.499	mg/l leachate	
		Lab Fort Blk. % Rec.	99.940	%	80-120
	Selenium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.53	mg/l leachate	
		Lab Fort Blk. % Rec.	106.04	%	80-120

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: WETCHEM-13956

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B38697					
	Chromium (+6)	Sample Amount	<1.80	mg/kg dry wt	
		Matrix Spk Amt Added	44.57	mg/kg dry wt	
		MS Amt Measured	13.82	mg/kg dry wt	
		Matrix Spike % Rec.	31.00	%	
		MSD Amount Added	45.56	mg/kg dry wt	
		MSD Amt Measured	9.57	mg/kg dry wt	
		MSD % Recovery	21.00	%	
		MSD Range	10.00	units	
		MS Duplicate RPD	36.34	%	
BLANK-124294					
	Chromium (+6)	Blank	<0.80	mg/kg dry wt	
LFBLANK-86064					
	Chromium (+6)	Lab Fort Blank Amt.	39.04	mg/kg dry wt	
		Lab Fort Blk. Found	40.22	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.99	%	
STDADD-34799					
	Chromium (+6)	Standard Measured	44.43	mg/kg dry wt	
		Standard Amt Added	39.50	mg/kg dry wt	
		Standard % Recovery	112.48	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory *Client:* METCALF & EDDY

Project Location: BRIDGEPORT, CT *Project Number:* LIMT-19947

Laboratory Sample ID(s): 08B38688-08B38700 *Sampling Date(s):* 9/8/08

List RCP Methods Used (e.g., 8260, 8270, et cetera) 7196, 1312, 8270, 6020, 7470, 6010, 9014

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

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

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

Authorized Signature: Edward Denson Position: Technical Director

Printed Name: Edward Denson Date: 10/1/08

Name of Laboratory: CON-TEST ANALYTICAL LABORATORY

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

Lmt # 19947

CHAIN OF CUSTODY RECORD

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Fax: 413-525-6405
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www.contestlabs.com
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EAST LONGMEADOW, MA 01028

Lim/- 19446

Company Name: Metcalf & Eddy, Inc.
Address: 620 N. Main St. Ext.
Wallingford, CT 06492
Attention: Lucas Hellerich
Project Location: Bridgeport, CT
Sampled By: Kanton

Telephone: (203) 269-7300
Project # 60045450.02
Client PO #

DATA DELIVERY (check one):
☐ FAX ☑ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: lucas.hellerich2@us.aecom.com
Format: ☑ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes) ☐ yes _____ proposal date
State Form Required? ☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	# of containers	**Preservation	-Cont.Code	CT ETPH	CT RSRs Metals	SPLP CT RSRs Metals	Cyanide	SPLP Cyanide	Hex Chromium	VOC by EPA Method 5035A/8260B	PAH	SPLP PAH
	SB-9b	36119	9/8/08	1445		x	S	U					X	H	X	H	H			
	Comp-1 36888	~~36120~~	9/8/08	2005	X		S	U					X	H	X	H	H		X	H
	Comp-2 36889	~~36121~~	9/8/08	2055	X		S	U					X	H			H		X	H
	TB	36122	9/8/08	2100	-	-	O	C										X		
	(*)EB	36123	9/9/08	1030	-	-	O	C				(X)	X		(X)			X	(X)	
												(*)			(*)				(*)	
	DI VIALS / ENCORE FROZEN AT: 09-09-08 17:19 OUT																			

Client Comments:
CT RCP ANALYSIS REQUIRED
H: EXTRACT AND HOLD

(*) Insufficient Sample rec'd. Client to resample 9/11. MD 9/10/08

ANALYSIS REQUESTED

-Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

Laboratory Comments:
(*) Client to resample EB for ETPH, PAH, Cyanide Thursday 9/11/08. MD 9/10/08

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; **M** - Medium; **L** - Low; **C** - Clean; **U** - Unknown

Relinquished by: (signature) Ron Kanton	Date/Time: 9/9/08 1415	
Received by: (signature)	Date/Time: 9-9-8 1415	
Relinquished by: (signature)	Date/Time: 9-9-8 1606	
Received by: (signature) 4°C	Date/Time: 9/9/08 1606	

Turnaround **
☑ 7-Day
☐ 10-Day
☐ Other ____
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? _____
Data Enhancement Project/RCP? ☑ Y ☐ N
Special Requirements or DL's: CT RCP

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other BLANK

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

**** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.**

AIHA, NELAC & WBE/DBE Certified

LR

19947

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EAST LONGMEADOW, MA 01028

Limit: ~~19446~~

Company Name: METCALF + EDDY INC
Address: 860 N. MAIN ST. EXT.
WALLINGFORD, CT 06492
Attention: Lucas Hellerich
Project Location: BRIDGEPORT, CT
Sampled By: J CONTOR

Telephone: (203) 269-7310
Project # 60045450.02
Client PO #

DATA DELIVERY (check one):
☐ FAX ☑ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: Lucas.Hellerich@ka-E.AECom.com
Format: ☑ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes) ☐ yes ____ proposal date
State Form Required? ☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	CT ETPH	CT RSR IS Metals	SPLP CT RSR IS Metals	Cyanide	SPLP Cyanide	Hex. Chrome	VOC EPA 5035A/8260B	# of containers	**Preservation	~Cont.Code
	SB-1 38692 08B	~~36111~~ 08B	9/8/08	1540		x	S	U	X	X	H			H	X			
	SB-1D	~~36112~~	9/8/08	1542		x	S	U	X	X	H			H	X*			
	SB-2	~~36113~~	9/8/08	1555		x	S	U	X	X	H			H	X			
	SB-3	~~36114~~	9/8/08	1010		x	S	U				X	H					
	SB-5b 38690/96	~~36115~~	9/8/08	1030		x	S	U		X	H	X	H	H				
	SB-6b 38691/97	~~36116~~	9/8/08	1105		x	S	U		X	H	X	H	H				
	SB-6d DI VIALS / ENCORE FROZEN AT: 09-09-08 17:19 OUT	36117	9/8/08	1115		x	S	M-H	X						X			
	SB-16	36118	9/8/08	1116		x	S	M-H							X			

ANALYSIS REQUESTED

~Cont. Code: A=amber glass, G=glass, P=plastic, ST=sterile, V=vial, S=summa can, T=tedlar bag, O=Other

Client Comments:
CT RCP ANALYSIS REQUIRED
H = EXTRACT AND HOLD

*No 8 Soil jar rec'd. Use Result from SB-6D per Lucas H. AP 9/12

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Laboratory Comments:
cH
*See attached form for sample vacinations
DW STD TAT per Lucas H. AP 9/22/08

Relinquished by: (signature)	Date/Time:
J CONTOR	9/9/08 1415
Received by: (signature)	Date/Time:
	9-5-8 1405
Relinquished by: (signature)	Date/Time:
	9-5-8 1606
Received by: (signature)	Date/Time:
4°C	9/9/08 1608

Turnaround **
☑ 7-Day
☐ 10-Day
☐ Other ____
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? ____
Data Enhancement Project/RCP? ☑ Y ☐ N
Special Requirements or DL's: RCP required

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other____

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other____
X = Na hydroxide
T = Na thiosulfate

57

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

Lmt # 19417

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Lmt-36 19417R6

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EAST LONGMEADOW, MA 01028

Company Name: Metcalf Eddy, Inc.
Address: 860 N. Main St. Ext
Wallingford, CT 06492
Attention: Lucas Hellerich
Project Location: Bridgeport, CT
Sampled By: Canton

Telephone: (203) 269-7310
Project # 60045450.02
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: Lucas.Hellerich@M-E.AECom.com
Format: ☒ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes) ☐ yes ____ proposal date
State Form Required? ☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PRIS METALS	TCLP RCRA 8 METALS	# of containers	**Preservation	~Cont.Code
	CC-1 38693 98	~~36198~~ 08B	9/8/08	0905		X	O	U	X	H			
	CC-2 38694 99	~~36185~~ 08B	9/8/08	1007		X	O	U	X	H			
	CC3 38695 100	~~36196~~ 08B	9/8/08	1014		X	O	U	X	H			
	DI VIALS / ENCORE FROZEN AT:												
	09-09-08 17:19 OUT												

ANALYSIS REQUESTED

~Cont. Code: A=amber glass, G=glass, P=plastic, ST=sterile, V= vial, S=summa can, T=tedlar bag, O=Other

Client Comments: CT RCP Analysis Required
H: Extract and Hold

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; **M** - Medium; **L** - Low; **C** - Clean; **U** - Unknown

Relinquished by: (signature) Lon Canton	Date/Time: 9/9/08 1415	
Received by: (signature)	Date/Time: 9-5-8 1415	
Relinquished by: (signature)	Date/Time: 9-8-8 1606	
Received by: (signature) 4°C	Date/Time: 9/9/08 1605	

Turnaround **
☒ 7-Day
☐ 10-Day
☐ Other ____
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? ____
Data Enhancement Project/RCP? ☒ Y ☐ N
Special Requirements or DL's: CT RCP

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other CONC. CMIPS

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

1 of 1

**** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.**

AIHA, NELAC & WBE/DBE Certified

Metcalf & Eddy, Inc.

80 Hastings Street
Bridgeport, CT

COMP-1	SPLP PAHs
COMP-2	total hexavalent chromium
SB-05B	SPLP Cyanide SPLP antimony, arsenic, cadmium, chromium, copper, lead, nickel, SPLP thallium, vanadium, zinc Total hexavalent chromium
SB-06B	SPLP arsenic, cadmium, chromium, copper, lead, nickel, silver, vanadium Total hexavalent chromium
SB-01	SPLP antimony, barium, cadmium, chromium, copper, lead, mercury, SPLP nickel, thallium, vanadium

6010

CC-1 TCLP RCRA 8 metals, total hexavalent chromium

CC-2 TCLP RCRA 8 metals, total hexavalent chromium

CC-3 TCLP RCRA 8 metals, total hexavalent chromium

~~A Hache~~

Attach to metals paperwork

SAMPLE REACTIVATION FORM

COMPANY Metcalf & Eddy LOCATION SF

CONTACT Lucas Hellreich PROJECT ID _____

CONTACT PHONE _____ FAX _____

DATE 9/22/08 TIME 9:00am TAT Std DUE DATE _____

REQUEST TAKEN BY MKL/HF GIVEN TO Log-In

ACTIVATION REQUEST:

See attached form for sample reactivation for STD TAT.

SPECIAL INSTRUCTIONS AND TERMS:

FAXED TO CONTACT FOR APPROVAL: Y N

ACTIVATION IS CORRECT PER OUR REQUEST _____ DATE _____
INITIALS

CONTEST FINAL APPROVAL _____

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REPORT DATE 9/22/2008

METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492
ATTN: LUCAS HELLERICH

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19551
JOB NUMBER: 60045450.02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

PROJECT LOCATION: BRIDGEPORT, CT.

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
EB-1A	08B36715	WATER OTHE	Equipment Blank	cyanide-total	
EB-1A	08B36715	WATER OTHE	Equipment Blank	etph water	
EB-1A	08B36715	WATER OTHE	Equipment Blank	pah - lo h2o all	

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 9/22/2008

METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492
ATTN: LUCAS HELLERICH

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19551
JOB NUMBER: 60045450.02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

Comments :

LIMS BATCH NO. : LIMT-19551

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2° as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 8270 water, any reported result for Naphthalene, Acenaphthene, Acenaphthylene, and 2-Methylnaphthalene in sample 08B36715 is likely to be biased on the low side based on laboratory fortified blank (laboratory control sample) recovery bias.

There are no other analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846 8270 WATER - ADDITIONAL COMMENTS

The LCS sample recoveries for required RCP 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative:
Difficult analytes for water - limits between 10 and 150% depending on the compound (see qc summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol
Compounds outside of control limits:

In method 8270 water, only PAH compounds were requested and reported.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless specified below: All other requested reporting limits are met.

CT ETPH METHOD - ADDITIONAL COMMENTS

All CT ETPH samples were analyzed undiluted unless specified below:
No dilutions were performed.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 9/22/2008

METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492
ATTN: LUCAS HELLERICH

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19551
JOB NUMBER: 60045450.02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 9/22/08

SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Douglas Sheeley
Laboratory Manager

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample

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LUCAS HELLERICH
METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

9/22/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT.
Date Received: 9/11/2008
Field Sample # : EB-1A
Sample ID : 08B36715
‡Sampled : 9/11/2008
Equipment Blank
Sample Matrix: WATER OTHER

LIMS-BAT #: LIMT-19551
Job Number: 60045450.02

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cyanide	mg/l	ND	09/17/08	VAK	0.010			

Analytical Method:
SW846 9014 / SM 4500 CN E
DISTILLATION FOLLOWED BY REACTION WITH CHLORAMINE-T/PYRIDINE-BARBITURIC ACID AND PHOSPHATE BUFFER.

RL = Reporting Limit
ND = Not Detected at or above the Reporting Limit
NM = Not Measured
* = See end of report for comments and notes applying to this sample
‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

9/22/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT.
Date Received: 9/11/2008
Field Sample # : EB-1A
Sample ID : 08B36715
‡Sampled : 9/11/2008
Equipment Blank
Sample Matrix: WATER OTHER

LIMS-BAT #: LIMT-19551
Job Number: 60045450.02

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extractable TPH (ETPH)	mg/l	ND	09/16/08	PJG	0.075			

Analytical Method:
Extractable TPH (CT ETPH)
SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE AND ANALYZED BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION (GC/FID).

RL = Reporting Limit
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LUCAS HELLERICH
METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

9/22/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT.
Date Received: 9/11/2008
Field Sample # : EB-1A

LIMS-BAT #: LIMT-19551
Job Number: 60045450.02

Sample ID : 08B36715

‡Sampled : 9/11/2008
Equipment Blank

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	ug/l	ND	09/17/08	BGL	0.30			
Acenaphthylene	ug/l	ND	09/17/08	BGL	0.30			
Anthracene	ug/l	ND	09/17/08	BGL	0.20			
Benzo(a)anthracene	ug/l	ND	09/17/08	BGL	0.050			
Benzo(a)pyrene	ug/l	ND	09/17/08	BGL	0.100			
Benzo(b)fluoranthene	ug/l	ND	09/17/08	BGL	0.050			
Benzo(g,h,i)perylene	ug/l	ND	09/17/08	BGL	0.500			
Benzo(k)fluoranthene	ug/l	ND	09/17/08	BGL	0.200			
Chrysene	ug/l	ND	09/17/08	BGL	0.20			
Dibenz(a,h)anthracene	ug/l	ND	09/17/08	BGL	0.500			
Fluoranthene	ug/l	ND	09/17/08	BGL	0.50			
Fluorene	ug/l	ND	09/17/08	BGL	1.00			
Indeno(1,2,3-cd)pyrene	ug/l	ND	09/17/08	BGL	0.500			
2-Methylnaphthalene	ug/l	ND	09/17/08	BGL	1.00			
Naphthalene	ug/l	ND	09/17/08	BGL	1.00			
Phenanthrene	ug/l	ND	09/17/08	BGL	0.05			
Pyrene	ug/l	ND	09/17/08	BGL	1.00			
Extraction Date 625/8270		9/15/2008	09/17/08	BGL				

Analytical Method:
625/8270
SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE BY SEPARATORY FUNNEL LIQUID/LIQUID EXTRACTION, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

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‡ = See attached chain-of-custody record for time sampled

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WALLINGFORD, CT 06492

9/22/2008

Purchase Order No.:

Project Location: BRIDGEPORT, CT.
Date Received: 9/11/2008

LIMS-BAT #: LIMT-19551
Job Number: 60045450.02

** END OF REPORT **

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 9/22/2008 Lims Bat # : LIMT-19551

QC Batch Number: CYANIDE-3038

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-123780					
	Cyanide	Blank	<0.010	mg/l	
LFBLANK-85537					
	Cyanide	Lab Fort Blank Amt.	0.675	mg/l	
		Lab Fort Blk. Found	0.656	mg/l	
		Lab Fort Blk. % Rec.	97.185	%	
		Dup Lab Fort Bl Amt.	0.675	mg/l	
		Dup Lab Fort Bl. Fnd	0.656	mg/l	
		Dup Lab Fort Bl %Rec	97.185	%	
		Lab Fort Blank Range	0.000	units	
		Lab Fort Bl. Av. Rec	97.185	%	
		LFB Duplicate RPD	0.000	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GC/FID-22268

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B36715					
	Terphenyl	Surrogate Recovery	96.0	%	50-150
BLANK-123743					
	Extractable TPH (ETPH)	Blank	<0.075	mg/l	
LFBLANK-85501					
	Extractable TPH (ETPH)	Lab Fort Blank Amt.	1.000	mg/l	
		Lab Fort Blk. Found	1.098	mg/l	
		Lab Fort Blk. % Rec.	109.800	%	60-120
		Dup Lab Fort Bl Amt.	1.000	mg/l	
		Dup Lab Fort Bl. Fnd	1.113	mg/l	
		Dup Lab Fort Bl %Rec	111.300	%	
		Lab Fort Blank Range	1.499	units	
		Lab Fort Bl. Av. Rec	110.550	%	
		LFB Duplicate RPD	1.356	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/SEMI-11397

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B36715					
	Nitrobenzene-d5	Surrogate Recovery	60.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	61.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	63.0	%	30-130
BLANK-123634					
	Naphthalene	Blank	<1.00	ug/l	
	Acenaphthene	Blank	<0.30	ug/l	
	Acenaphthylene	Blank	<0.30	ug/l	
	Anthracene	Blank	<0.20	ug/l	
	Benzo(a)anthracene	Blank	<0.050	ug/l	
	Benzo(a)pyrene	Blank	<0.100	ug/l	
	Benzo(b)fluoranthene	Blank	<0.050	ug/l	
	Benzo(g,h,i)perylene	Blank	<0.500	ug/l	
	Chrysene	Blank	<0.20	ug/l	
	Dibenz(a,h)anthracene	Blank	<0.500	ug/l	
	Fluoranthene	Blank	<0.50	ug/l	
	Fluorene	Blank	<1.00	ug/l	
	Indeno(1,2,3-cd)pyrene	Blank	<0.500	ug/l	
	2-Methylnaphthalene	Blank	<1.00	ug/l	
	Phenanthrene	Blank	<0.05	ug/l	
	Pyrene	Blank	<1.00	ug/l	
	Benzo(k)fluoranthene	Blank	<0.200	ug/l	
LFBLANK-85378					
	Naphthalene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	0.59	ug/l	
		Lab Fort Blk. % Rec.	29.50	%	40-140
	Acenaphthene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	0.71	ug/l	
		Lab Fort Blk. % Rec.	35.50	%	40-140
	Acenaphthylene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	0.75	ug/l	
		Lab Fort Blk. % Rec.	37.50	%	40-140
	Anthracene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	0.96	ug/l	
		Lab Fort Blk. % Rec.	48.00	%	40-140
	Benzo(a)anthracene	Lab Fort Blank Amt.	2.000	ug/l	
		Lab Fort Blk. Found	1.160	ug/l	
		Lab Fort Blk. % Rec.	58.000	%	40-140
	Benzo(a)pyrene	Lab Fort Blank Amt.	2.000	ug/l	
		Lab Fort Blk. Found	1.280	ug/l	
		Lab Fort Blk. % Rec.	64.000	%	40-140
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	2.000	ug/l	
		Lab Fort Blk. Found	1.170	ug/l	
		Lab Fort Blk. % Rec.	58.500	%	40-140

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/SEMI-11397

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-85378					
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	2.000	ug/l	
		Lab Fort Blk. Found	0.920	ug/l	
		Lab Fort Blk. % Rec.	46.000	%	40-140
	Chrysene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	1.20	ug/l	
		Lab Fort Blk. % Rec.	60.00	%	40-140
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	2.000	ug/l	
		Lab Fort Blk. Found	1.090	ug/l	
		Lab Fort Blk. % Rec.	54.500	%	40-140
	Fluoranthene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	1.08	ug/l	
		Lab Fort Blk. % Rec.	54.00	%	40-140
	Fluorene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	0.83	ug/l	
		Lab Fort Blk. % Rec.	41.50	%	40-140
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	2.000	ug/l	
		Lab Fort Blk. Found	1.030	ug/l	
		Lab Fort Blk. % Rec.	51.500	%	40-140
	2-Methylnaphthalene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	0.48	ug/l	
		Lab Fort Blk. % Rec.	24.00	%	40-140
	Phenanthrene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	0.94	ug/l	
		Lab Fort Blk. % Rec.	47.00	%	40-140
	Pyrene	Lab Fort Blank Amt.	2.00	ug/l	
		Lab Fort Blk. Found	1.17	ug/l	
		Lab Fort Blk. % Rec.	58.50	%	40-140
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	2.000	ug/l	
		Lab Fort Blk. Found	1.360	ug/l	
		Lab Fort Blk. % Rec.	68.000	%	40-140

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

NOTES:

QC Batch No. : GCMS/SEMI-11397
Sample ID : LFBLANK-85378
Analysis : 2-Methylnaphthalene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC Batch No. : GCMS/SEMI-11397
Sample ID : LFBLANK-85378
Analysis : Acenaphthene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC Batch No. : GCMS/SEMI-11397
Sample ID : LFBLANK-85378
Analysis : Acenaphthylene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC Batch No. : GCMS/SEMI-11397
Sample ID : LFBLANK-85378
Analysis : Naphthalene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory *Client:* METCALF & EDDY

Project Location: BRIDGEPORT, CT *Project Number:* LIMT-1955 1

Laboratory Sample ID(s): 08B3675 *Sampling Date(s):* 9/11/08

List RCP Methods Used (e.g., 8260, 8270, et cetera) 9014, 8270, ETPH

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

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

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

Authorized Signature: Edward Denson **Position:** Technical Director

Printed Name: Edward Denson **Date:** 9/22/08.

Name of Laboratory: CON-TEST ANALYTICAL LABORATORY

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

CHAIN OF CUSTODY RECORD

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Lmt # 19551

Company Name: METCALF & EDDY, INC
Address: 860 N. MAIN ST EXT
WALLINGFORD, CT 06492
Attention: LUCAS HELLERICH
Project Location: 80 HASTINGS BRIDGEPORT, CT
Sampled By: HELLERICH

Telephone: (203) 741-2821
Project # 60045450.02
Client PO #

DATA DELIVERY (check one):
☐ FAX ☑ EMAIL ☑ WEBSITE CLIENT
Fax # :
Email: LUCAS.HELLERICH@M-E.AECOM.COM
Format: ☐ EXCEL ☑ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes) ☒ yes ____ proposal date
State Form Required? ☐ yes ☑ no

Field ID	Sample Description	Lab # 08B	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	CT ETPH	PAHs 8270	Cyanide	# of containers	**Preservation	~Cont.Code
												2		A
												2		A
												1	X	P
FB-1A	EQUIPMENT BLANK	36715	840 AM 9/11/08	845 AM 9/11/08		X	W	C/L	X	X	X			

ANALYSIS REQUESTED

~Cont. Code: A=amber glass, G=glass, P=plastic, ST=sterile, V=vial, S=summa can, T=tedlar bag, O=Other

Client Comments:

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; **M** - Medium; **L** - Low; **C** - Clean; **U** - Unknown

Relinquished by: (signature)	Date/Time: 9/11/08 845 AM
Received by: (signature)	Date/Time: 9/11/08 850 AM
Relinquished by: (signature)	Date/Time: 9/11/08 1145
Received by: (signature) 5°C	Date/Time: 9/11/08 1145

Turnaround **
☒ 7-Day
☐ 10-Day
☐ Other ____
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? RSR GA GWPC RVC, RCP REQUIREMENTS
Data Enhancement Project/RCP? ☒ Y ☐ N
Special Requirements or DL's: LOW GA GWPC RVC, RCP REQUIREMENTS

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other____

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other____
X = Na hydroxide
T = Na thiosulfate

P

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

www.contestlabs.com

con-test® ANALYTICAL LABORATORY

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: Metcalf + Eddy RECEIVED BY: KRL DATE: 9/11/08

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☐

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No

Temperature °C by Temp blank 5°C Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes (No) Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber	4	8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic	1	Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments: pH >12

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

Do all samples have the proper pH: (Yes) No N/A

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 10/1/2008

METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492
ATTN: LUCAS HELLERICH

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19963
JOB NUMBER: 60045450.02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

PROJECT LOCATION: 80 HASTINGS ST BRIDGEPORT CT

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
*MW	08B38750	GRND WATER	Not Specified	6020 h2o 14rcp	
*MW	08B38750	GRND WATER	Not Specified	8260 water	
*MW	08B38750	GRND WATER	Not Specified	cyanide-total	
*MW	08B38750	GRND WATER	Not Specified	hg (mg/l) wet	
*MW DUP	08B38751	GRND WATER	Not Specified	6020 h2o 14rcp	
*MW DUP	08B38751	GRND WATER	Not Specified	8260 water	
*MW DUP	08B38751	GRND WATER	Not Specified	cyanide-total	
*MW DUP	08B38751	GRND WATER	Not Specified	hg (mg/l) wet	
TRIP BLANK	08B38752	WATER OTHE	Not Specified	8260 water	

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ANALYTICAL LABORATORY

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REPORT DATE 10/1/2008

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CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19963
JOB NUMBER: 60045450.02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

Comments :

LIMS BATCH NO. : LIMT-19963

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 8260 low level water, initial and/or continuing calibration did not meet method specifications. For all samples, 1,4-Dioxane was calibrated with a relative response factor <0.05.

In method 6020, the CCV recovery for Ag was outside control limits. Any reported results may be biased on the high side. The inital ICS AB recovery for Zn was outside control limits, but the final recovery was within the limits. Possibility of an interference that may lead to a high bias for reported results for this element cannot be eliminated. The LFB recovery for Zn was outside control limits. Any reported results for Zn may be biased on the high side.

There are no other analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846 8260 LOW LEVEL WATER - ADDITIONAL COMMENTS

In method 8260 low level water, samples 08B38750 and 08B38751 were diluted because sample matrix (foamy) would not allow analysis and reporting of undiluted results due to incompatibility with analytical equipment.

The LCS recoveries for required CT reasonable confidence protocol (RCP) 8260 compounds were all within limits specified by the method except for "difficult analytes" where control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative.
Difficult analytes: MIBK, MEK, Tetrachloroethylene, Tert-butyl Alcohol, Acetone, 1,4-Dioxane, Vinyl Chloride, Chloromethane, Bromomethane, Naphthalene, 2,2-Dichloropropane, Dichlorodifluoromethane, 2-Hexanone, and Tert-butylethyl Ether

All reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless listed below: All other reporting limits were met.

METHOD SW846-6020 - ADDITIONAL COMMENTS

A matrix spike and sample duplicate were performed on sample 08B38750. Sample duplicate was not reported for Ba, Be, Se, and V, due to non detect sample and sample duplicate results. The matrix spike recovery was outside of control limits for Ba. Data validation is not affected since the samples were non detect and the bias was on the high side. Analysis is in control based on LFB recovery.

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REPORT DATE 10/1/2008

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492
ATTN: LUCAS HELLERICH

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-19963
JOB NUMBER: 60045450.02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

Samples were diluted 1:50 to obtain readings for Cu and Zn within the linear detection range.
The duplicate RPD recovery was outside of control limits for Tl. Duplicate RPD's do not apply to sample results <5x the reporting limit.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE DATE 10/1/08

Tod Kopyscinski
Air Laboratory Manager

Douglas Sheeley
Laboratory Manager

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample

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LUCAS HELLERICH
METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

10/1/2008

Purchase Order No.:

Project Location: 80 HASTINGS ST BRIDGEPORT CT
Date Received: 9/24/2008
Field Sample # : MW

LIMS-BAT #: LIMT-19963
Job Number: 60045450.02

Sample ID : 08B38750

‡Sampled : 9/23/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	ug/L	20.9	09/30/08	KMT	5.00			
Arsenic	ug/L	4.32	09/30/08	KMT	2.00			
Barium	ug/L	ND	09/30/08	KMT	250			
Beryllium	ug/L	ND	09/30/08	KMT	2.00			
Cadmium	ug/L	1000	09/30/08	KMT	2.50			
Chromium	ug/L	424	09/30/08	KMT	50.0			
Copper	ug/L	1040	09/30/08	KMT	25.0			
Lead	ug/L	254	09/30/08	KMT	5.00			
Nickel	ug/L	584	09/30/08	KMT	25.0			
Selenium	ug/L	ND	09/30/08	KMT	25.0			
Silver	ug/L	2.99	09/30/08	KMT	2.50			
Thallium	ug/L	1.18	09/30/08	KMT	1.00			
Vanadium	ug/L	ND	09/30/08	KMT	25.0			
Zinc	ug/L	1420	09/30/08	KMT	100			

Analytical Method:
SW846 6020
SAMPLES ARE ANALYZED BY ICP/MS

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

10/1/2008

Purchase Order No.:

Project Location: 80 HASTINGS ST BRIDGEPORT CT
Date Received: 9/24/2008
Field Sample # : MW DUP

LIMS-BAT #: LIMT-19963
Job Number: 60045450.02

Sample ID : 08B38751

‡Sampled : 9/23/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	ug/L	17.0	09/30/08	KMT	5.00			
Arsenic	ug/L	3.80	09/30/08	KMT	2.00			
Barium	ug/L	ND	09/30/08	KMT	250			
Beryllium	ug/L	ND	09/30/08	KMT	2.00			
Cadmium	ug/L	931	09/30/08	KMT	2.50			
Chromium	ug/L	381	09/30/08	KMT	50.0			
Copper	ug/L	862	09/30/08	KMT	25.0			
Lead	ug/L	179	09/30/08	KMT	5.00			
Nickel	ug/L	514	09/30/08	KMT	25.0			
Selenium	ug/L	ND	09/30/08	KMT	25.0			
Silver	ug/L	2.52	09/30/08	KMT	2.50			
Thallium	ug/L	ND	09/30/08	KMT	1.00			
Vanadium	ug/L	ND	09/30/08	KMT	25.0			
Zinc	ug/L	1210	09/30/08	KMT	100			

Analytical Method:
SW846 6020
SAMPLES ARE ANALYZED BY ICP/MS

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WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: 80 HASTINGS ST BRIDGEPORT CT
Date Received: 9/24/2008
Field Sample # : MW

LIMS-BAT #: LIMT-19963
Job Number: 60045450.02

Sample ID : *08B38750

‡Sampled : 9/23/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	ug/l	ND	09/25/08	LBD	50.0			
Acrylonitrile	ug/l	ND	09/25/08	LBD	20.0			
tert-Amylmethyl Ether	ug/l	ND	09/25/08	LBD	5.0			
Benzene	ug/l	ND	09/25/08	LBD	5.0			
Bromobenzene	ug/l	ND	09/25/08	LBD	5.0			
Bromochloromethane	ug/l	ND	09/25/08	LBD	5.0			
Bromodichloromethane	ug/l	ND	09/25/08	LBD	5.0			
Bromoform	ug/l	ND	09/25/08	LBD	10.0			
Bromomethane	ug/l	ND	09/25/08	LBD	20.0			
2-Butanone (MEK)	ug/l	ND	09/25/08	LBD	20.0			
tert-Butyl Alcohol	ug/l	ND	09/25/08	LBD	50.0			
n-Butylbenzene	ug/l	ND	09/25/08	LBD	5.0			
sec-Butylbenzene	ug/l	ND	09/25/08	LBD	5.0			
tert-Butylbenzene	ug/l	ND	09/25/08	LBD	5.0			
tert-Butylethyl Ether	ug/l	ND	09/25/08	LBD	5.0			
Carbon Disulfide	ug/l	ND	09/25/08	LBD	5.0			
Carbon Tetrachloride	ug/l	ND	09/25/08	LBD	5.0			
Chlorobenzene	ug/l	ND	09/25/08	LBD	5.0			
Chlorodibromomethane	ug/l	ND	09/25/08	LBD	5.0			
Chloroethane	ug/l	ND	09/25/08	LBD	10.0			
Chloroform	ug/l	ND	09/25/08	LBD	5.0			
Chloromethane	ug/l	ND	09/25/08	LBD	5.0			
2-Chlorotoluene	ug/l	ND	09/25/08	LBD	5.0			
4-Chlorotoluene	ug/l	ND	09/25/08	LBD	5.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	09/25/08	LBD	10.0			
1,2-Dibromoethane	ug/l	ND	09/25/08	LBD	5.00			
Dibromomethane	ug/l	ND	09/25/08	LBD	5.0			
1,2-Dichlorobenzene	ug/l	ND	09/25/08	LBD	5.0			
1,3-Dichlorobenzene	ug/l	ND	09/25/08	LBD	5.0			

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Purchase Order No.:

Project Location: 80 HASTINGS ST BRIDGEPORT CT
Date Received: 9/24/2008
Field Sample # : MW

LIMS-BAT #: LIMT-19963
Job Number: 60045450.02

Sample ID : *08B38750

‡Sampled : 9/23/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,4-Dichlorobenzene	ug/l	ND	09/25/08	LBD	5.0			
trans-1,4-Dichloro-2-Butene	ug/l	ND	09/25/08	LBD	10.0			
Dichlorodifluoromethane	ug/l	ND	09/25/08	LBD	5.0			
1,1-Dichloroethane	ug/l	ND	09/25/08	LBD	5.0			
1,2-Dichloroethane	ug/l	ND	09/25/08	LBD	5.0			
1,1-Dichloroethylene	ug/l	ND	09/25/08	LBD	5.0			
cis-1,2-Dichloroethylene	ug/l	ND	09/25/08	LBD	5.0			
trans-1,2-Dichloroethylene	ug/l	ND	09/25/08	LBD	5.0			
1,2-Dichloropropane	ug/l	ND	09/25/08	LBD	5.0			
1,3-Dichloropropane	ug/l	ND	09/25/08	LBD	5.0			
2,2-Dichloropropane	ug/l	ND	09/25/08	LBD	5.0			
1,1-Dichloropropene	ug/l	ND	09/25/08	LBD	5.0			
cis-1,3-Dichloropropene	ug/l	ND	09/25/08	LBD	10.0			
trans-1,3-Dichloropropene	ug/l	ND	09/25/08	LBD	10.0			
Diethyl Ether	ug/l	ND	09/25/08	LBD	5.0			
Diisopropyl Ether	ug/l	ND	09/25/08	LBD	5.0			
1,4-Dioxane	ug/l	ND	09/25/08	LBD	500			
Ethyl Benzene	ug/l	ND	09/25/08	LBD	5.0			
Hexachlorobutadiene	ug/l	ND	09/25/08	LBD	4.0			
2-Hexanone	ug/l	ND	09/25/08	LBD	20.0			
Isopropylbenzene	ug/l	ND	09/25/08	LBD	5.0			
p-Isopropyltoluene	ug/l	ND	09/25/08	LBD	5.0			
MTBE	ug/l	ND	09/25/08	LBD	5.0			
Methylene Chloride	ug/l	ND	09/25/08	LBD	5.0			
MIBK	ug/l	ND	09/25/08	LBD	20.0			
Naphthalene	ug/l	ND	09/25/08	LBD	10.0			
n-Propylbenzene	ug/l	ND	09/25/08	LBD	5.0			
Styrene	ug/l	ND	09/25/08	LBD	10.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	09/25/08	LBD	10.0			

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Purchase Order No.:

Project Location: 80 HASTINGS ST BRIDGEPORT CT
Date Received: 9/24/2008
Field Sample # : MW

LIMS-BAT #: LIMT-19963
Job Number: 60045450.02

Sample ID : *08B38750

‡Sampled : 9/23/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1,2,2-Tetrachloroethane	ug/l	ND	09/25/08	LBD	5.0			
Tetrachloroethylene	ug/l	ND	09/25/08	LBD	5.0			
Tetrahydrofuran	ug/l	ND	09/25/08	LBD	50.0			
Toluene	ug/l	ND	09/25/08	LBD	5.0			
1,2,3-Trichlorobenzene	ug/l	ND	09/25/08	LBD	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	09/25/08	LBD	5.0			
1,1,1-Trichloroethane	ug/l	ND	09/25/08	LBD	5.0			
1,1,2-Trichloroethane	ug/l	ND	09/25/08	LBD	5.0			
Trichloroethylene	ug/l	ND	09/25/08	LBD	5.0			
Trichlorofluoromethane	ug/l	ND	09/25/08	LBD	5.0			
1,2,3-Trichloropropane	ug/l	ND	09/25/08	LBD	5.0			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	09/25/08	LBD	5.0			
1,2,4-Trimethylbenzene	ug/l	ND	09/25/08	LBD	5.0			
1,3,5-Trimethylbenzene	ug/l	ND	09/25/08	LBD	5.0			
Vinyl Chloride	ug/l	ND	09/25/08	LBD	5.0			
m + p Xylene	ug/l	ND	09/25/08	LBD	10.0			
o-Xylene	ug/l	ND	09/25/08	LBD	5.0			

Analytical Method:
SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: 80 HASTINGS ST BRIDGEPORT CT
Date Received: 9/24/2008
Field Sample # : MW DUP

LIMS-BAT #: LIMT-19963
Job Number: 60045450.02

Sample ID : *08B38751

‡Sampled : 9/23/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	ug/l	ND	09/25/08	LBD	50.0			
Acrylonitrile	ug/l	ND	09/25/08	LBD	20.0			
tert-Amylmethyl Ether	ug/l	ND	09/25/08	LBD	5.0			
Benzene	ug/l	ND	09/25/08	LBD	5.0			
Bromobenzene	ug/l	ND	09/25/08	LBD	5.0			
Bromochloromethane	ug/l	ND	09/25/08	LBD	5.0			
Bromodichloromethane	ug/l	ND	09/25/08	LBD	5.0			
Bromoform	ug/l	ND	09/25/08	LBD	10.0			
Bromomethane	ug/l	ND	09/25/08	LBD	20.0			
2-Butanone (MEK)	ug/l	ND	09/25/08	LBD	20.0			
tert-Butyl Alcohol	ug/l	ND	09/25/08	LBD	50.0			
n-Butylbenzene	ug/l	ND	09/25/08	LBD	5.0			
sec-Butylbenzene	ug/l	ND	09/25/08	LBD	5.0			
tert-Butylbenzene	ug/l	ND	09/25/08	LBD	5.0			
tert-Butylethyl Ether	ug/l	ND	09/25/08	LBD	5.0			
Carbon Disulfide	ug/l	ND	09/25/08	LBD	5.0			
Carbon Tetrachloride	ug/l	ND	09/25/08	LBD	5.0			
Chlorobenzene	ug/l	ND	09/25/08	LBD	5.0			
Chlorodibromomethane	ug/l	ND	09/25/08	LBD	5.0			
Chloroethane	ug/l	ND	09/25/08	LBD	10.0			
Chloroform	ug/l	ND	09/25/08	LBD	5.0			
Chloromethane	ug/l	ND	09/25/08	LBD	5.0			
2-Chlorotoluene	ug/l	ND	09/25/08	LBD	5.0			
4-Chlorotoluene	ug/l	ND	09/25/08	LBD	5.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	09/25/08	LBD	10.0			
1,2-Dibromoethane	ug/l	ND	09/25/08	LBD	5.00			
Dibromomethane	ug/l	ND	09/25/08	LBD	5.0			
1,2-Dichlorobenzene	ug/l	ND	09/25/08	LBD	5.0			
1,3-Dichlorobenzene	ug/l	ND	09/25/08	LBD	5.0			

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con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

LUCAS HELLERICH
METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: 80 HASTINGS ST BRIDGEPORT CT
Date Received: 9/24/2008
Field Sample # : MW DUP

LIMS-BAT #: LIMT-19963
Job Number: 60045450.02

Sample ID : *08B38751

‡Sampled : 9/23/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,4-Dichlorobenzene	ug/l	ND	09/25/08	LBD	5.0			
trans-1,4-Dichloro-2-Butene	ug/l	ND	09/25/08	LBD	10.0			
Dichlorodifluoromethane	ug/l	ND	09/25/08	LBD	5.0			
1,1-Dichloroethane	ug/l	ND	09/25/08	LBD	5.0			
1,2-Dichloroethane	ug/l	ND	09/25/08	LBD	5.0			
1,1-Dichloroethylene	ug/l	ND	09/25/08	LBD	5.0			
cis-1,2-Dichloroethylene	ug/l	ND	09/25/08	LBD	5.0			
trans-1,2-Dichloroethylene	ug/l	ND	09/25/08	LBD	5.0			
1,2-Dichloropropane	ug/l	ND	09/25/08	LBD	5.0			
1,3-Dichloropropane	ug/l	ND	09/25/08	LBD	5.0			
2,2-Dichloropropane	ug/l	ND	09/25/08	LBD	5.0			
1,1-Dichloropropene	ug/l	ND	09/25/08	LBD	5.0			
cis-1,3-Dichloropropene	ug/l	ND	09/25/08	LBD	10.0			
trans-1,3-Dichloropropene	ug/l	ND	09/25/08	LBD	10.0			
Diethyl Ether	ug/l	ND	09/25/08	LBD	5.0			
Diisopropyl Ether	ug/l	ND	09/25/08	LBD	5.0			
1,4-Dioxane	ug/l	ND	09/25/08	LBD	500			
Ethyl Benzene	ug/l	ND	09/25/08	LBD	5.0			
Hexachlorobutadiene	ug/l	ND	09/25/08	LBD	4.0			
2-Hexanone	ug/l	ND	09/25/08	LBD	20.0			
Isopropylbenzene	ug/l	ND	09/25/08	LBD	5.0			
p-Isopropyltoluene	ug/l	ND	09/25/08	LBD	5.0			
MTBE	ug/l	ND	09/25/08	LBD	5.0			
Methylene Chloride	ug/l	ND	09/25/08	LBD	5.0			
MIBK	ug/l	ND	09/25/08	LBD	20.0			
Naphthalene	ug/l	ND	09/25/08	LBD	10.0			
n-Propylbenzene	ug/l	ND	09/25/08	LBD	5.0			
Styrene	ug/l	ND	09/25/08	LBD	10.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	09/25/08	LBD	10.0			

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: 80 HASTINGS ST BRIDGEPORT CT
Date Received: 9/24/2008
Field Sample # : MW DUP

LIMS-BAT #: LIMT-19963
Job Number: 60045450.02

Sample ID : *08B38751

‡Sampled : 9/23/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1,2,2-Tetrachloroethane	ug/l	ND	09/25/08	LBD	5.0			
Tetrachloroethylene	ug/l	ND	09/25/08	LBD	5.0			
Tetrahydrofuran	ug/l	ND	09/25/08	LBD	50.0			
Toluene	ug/l	ND	09/25/08	LBD	5.0			
1,2,3-Trichlorobenzene	ug/l	ND	09/25/08	LBD	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	09/25/08	LBD	5.0			
1,1,1-Trichloroethane	ug/l	ND	09/25/08	LBD	5.0			
1,1,2-Trichloroethane	ug/l	ND	09/25/08	LBD	5.0			
Trichloroethylene	ug/l	ND	09/25/08	LBD	5.0			
Trichlorofluoromethane	ug/l	ND	09/25/08	LBD	5.0			
1,2,3-Trichloropropane	ug/l	ND	09/25/08	LBD	5.0			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	09/25/08	LBD	5.0			
1,2,4-Trimethylbenzene	ug/l	ND	09/25/08	LBD	5.0			
1,3,5-Trimethylbenzene	ug/l	ND	09/25/08	LBD	5.0			
Vinyl Chloride	ug/l	ND	09/25/08	LBD	5.0			
m + p Xylene	ug/l	ND	09/25/08	LBD	10.0			
o-Xylene	ug/l	ND	09/25/08	LBD	5.0			

Analytical Method:
SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

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LUCAS HELLERICH
METCALF & EDDY - WALLINGFORD
860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: 80 HASTINGS ST BRIDGEPORT CT
Date Received: 9/24/2008
Field Sample # : TRIP BLANK

LIMS-BAT #: LIMT-19963
Job Number: 60045450.02

Sample ID : 08B38752

‡Sampled : 9/23/2008
Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	ug/l	ND	09/25/08	LBD	5.0			
Acrylonitrile	ug/l	ND	09/25/08	LBD	2.0			
tert-Amylmethyl Ether	ug/l	ND	09/25/08	LBD	0.5			
Benzene	ug/l	ND	09/25/08	LBD	0.5			
Bromobenzene	ug/l	ND	09/25/08	LBD	0.5			
Bromochloromethane	ug/l	ND	09/25/08	LBD	0.5			
Bromodichloromethane	ug/l	ND	09/25/08	LBD	0.5			
Bromoform	ug/l	ND	09/25/08	LBD	1.0			
Bromomethane	ug/l	ND	09/25/08	LBD	2.0			
2-Butanone (MEK)	ug/l	ND	09/25/08	LBD	2.0			
tert-Butyl Alcohol	ug/l	ND	09/25/08	LBD	5.0			
n-Butylbenzene	ug/l	ND	09/25/08	LBD	0.5			
sec-Butylbenzene	ug/l	ND	09/25/08	LBD	0.5			
tert-Butylbenzene	ug/l	ND	09/25/08	LBD	0.5			
tert-Butylethyl Ether	ug/l	ND	09/25/08	LBD	0.5			
Carbon Disulfide	ug/l	ND	09/25/08	LBD	0.5			
Carbon Tetrachloride	ug/l	ND	09/25/08	LBD	0.5			
Chlorobenzene	ug/l	ND	09/25/08	LBD	0.5			
Chlorodibromomethane	ug/l	ND	09/25/08	LBD	0.5			
Chloroethane	ug/l	ND	09/25/08	LBD	1.0			
Chloroform	ug/l	ND	09/25/08	LBD	0.5			
Chloromethane	ug/l	ND	09/25/08	LBD	0.5			
2-Chlorotoluene	ug/l	ND	09/25/08	LBD	0.5			
4-Chlorotoluene	ug/l	ND	09/25/08	LBD	0.5			
1,2-Dibromo-3-Chloropropane	ug/l	ND	09/25/08	LBD	1.0			
1,2-Dibromoethane	ug/l	ND	09/25/08	LBD	0.50			
Dibromomethane	ug/l	ND	09/25/08	LBD	0.5			
1,2-Dichlorobenzene	ug/l	ND	09/25/08	LBD	0.5			
1,3-Dichlorobenzene	ug/l	ND	09/25/08	LBD	0.5			

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: 80 HASTINGS ST BRIDGEPORT CT
Date Received: 9/24/2008
Field Sample # : TRIP BLANK

LIMS-BAT #: LIMT-19963
Job Number: 60045450.02

Sample ID : 08B38752

‡Sampled : 9/23/2008
Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,4-Dichlorobenzene	ug/l	ND	09/25/08	LBD	0.5			
trans-1,4-Dichloro-2-Butene	ug/l	ND	09/25/08	LBD	1.0			
Dichlorodifluoromethane	ug/l	ND	09/25/08	LBD	0.5			
1,1-Dichloroethane	ug/l	ND	09/25/08	LBD	0.5			
1,2-Dichloroethane	ug/l	ND	09/25/08	LBD	0.5			
1,1-Dichloroethylene	ug/l	ND	09/25/08	LBD	0.5			
cis-1,2-Dichloroethylene	ug/l	ND	09/25/08	LBD	0.5			
trans-1,2-Dichloroethylene	ug/l	ND	09/25/08	LBD	0.5			
1,2-Dichloropropane	ug/l	ND	09/25/08	LBD	0.5			
1,3-Dichloropropane	ug/l	ND	09/25/08	LBD	0.5			
2,2-Dichloropropane	ug/l	ND	09/25/08	LBD	0.5			
1,1-Dichloropropene	ug/l	ND	09/25/08	LBD	0.5			
cis-1,3-Dichloropropene	ug/l	ND	09/25/08	LBD	1.0			
trans-1,3-Dichloropropene	ug/l	ND	09/25/08	LBD	1.0			
Diethyl Ether	ug/l	ND	09/25/08	LBD	0.5			
Diisopropyl Ether	ug/l	ND	09/25/08	LBD	0.5			
1,4-Dioxane	ug/l	ND	09/25/08	LBD	50.0			
Ethyl Benzene	ug/l	ND	09/25/08	LBD	0.5			
Hexachlorobutadiene	ug/l	ND	09/25/08	LBD	0.4			
2-Hexanone	ug/l	ND	09/25/08	LBD	2.0			
Isopropylbenzene	ug/l	ND	09/25/08	LBD	0.5			
p-Isopropyltoluene	ug/l	ND	09/25/08	LBD	0.5			
MTBE	ug/l	ND	09/25/08	LBD	0.5			
Methylene Chloride	ug/l	3.7	09/25/08	LBD	0.5			
MIBK	ug/l	ND	09/25/08	LBD	2.0			
Naphthalene	ug/l	ND	09/25/08	LBD	1.0			
n-Propylbenzene	ug/l	ND	09/25/08	LBD	0.5			
Styrene	ug/l	ND	09/25/08	LBD	1.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	09/25/08	LBD	1.0			

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

Purchase Order No.:

Project Location: 80 HASTINGS ST BRIDGEPORT CT
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Field Sample # : TRIP BLANK

LIMS-BAT #: LIMT-19963
Job Number: 60045450.02

Sample ID : 08B38752

‡Sampled : 9/23/2008
Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1,2,2-Tetrachloroethane	ug/l	ND	09/25/08	LBD	0.5			
Tetrachloroethylene	ug/l	ND	09/25/08	LBD	0.5			
Tetrahydrofuran	ug/l	ND	09/25/08	LBD	5.0			
Toluene	ug/l	ND	09/25/08	LBD	0.5			
1,2,3-Trichlorobenzene	ug/l	ND	09/25/08	LBD	0.5			
1,2,4-Trichlorobenzene	ug/l	ND	09/25/08	LBD	0.5			
1,1,1-Trichloroethane	ug/l	ND	09/25/08	LBD	0.5			
1,1,2-Trichloroethane	ug/l	ND	09/25/08	LBD	0.5			
Trichloroethylene	ug/l	ND	09/25/08	LBD	0.5			
Trichlorofluoromethane	ug/l	ND	09/25/08	LBD	0.5			
1,2,3-Trichloropropane	ug/l	ND	09/25/08	LBD	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	09/25/08	LBD	0.5			
1,2,4-Trimethylbenzene	ug/l	ND	09/25/08	LBD	0.5			
1,3,5-Trimethylbenzene	ug/l	ND	09/25/08	LBD	0.5			
Vinyl Chloride	ug/l	ND	09/25/08	LBD	0.5			
m + p Xylene	ug/l	ND	09/25/08	LBD	1.0			
o-Xylene	ug/l	ND	09/25/08	LBD	0.5			

Analytical Method:
SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

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860 N. MAIN STREET EXTENSION
WALLINGFORD, CT 06492

10/1/2008

Purchase Order No.:

Project Location: 80 HASTINGS ST BRIDGEPORT CT
Date Received: 9/24/2008
LIMS-BAT #: LIMT-19963
Job Number: 60045450.02

Field Sample # : MW

Sample ID : 08B38750 ‡Sampled : 9/23/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cyanide	mg/l	ND	09/26/08	VAK	0.010			

Field Sample # : MW DUP

Sample ID : 08B38751 ‡Sampled : 9/23/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cyanide	mg/l	0.600	09/26/08	VAK	0.010			

Analytical Method:
SW846 9014 / SM 4500 CN E
DISTILLATION FOLLOWED BY REACTION WITH CHLORAMINE-T/PYRIDINE-BARBITURIC ACID AND PHOSPHATE BUFFER.

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WALLINGFORD, CT 06492

10/1/2008

Purchase Order No.:

Project Location: 80 HASTINGS ST BRIDGEPORT CT
Date Received: 9/24/2008
LIMS-BAT #: LIMT-19963
Job Number: 60045450.02

Field Sample # : MW

Sample ID : 08B38750

‡Sampled : 9/23/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/l	0.00020	09/30/08	KM	0.00010			

Field Sample # : MW DUP

Sample ID : 08B38751

‡Sampled : 9/23/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/l	0.00019	09/30/08	KM	0.00010			

Analytical Method:
EPA 245.1/SW846 7470
COLD VAPOR TECHNIQUE (FLAMELESS ABSORPTION AT 254 NM)

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10/1/2008

Purchase Order No.:

Project Location: 80 HASTINGS ST BRIDGEPORT CT
Date Received: 9/24/2008

LIMS-BAT #: LIMT-19963
Job Number: 60045450.02

The following notes were attached to the reported analysis :

Sample ID: * 08B38750
Analysis: 8260 water

ELEVATED DETECTION LIMITS FOR ALL VOLATILE COMPOUNDS DUE TO FOAMING SAMPLE MATRIX.

Sample ID: * 08B38751
Analysis: 8260 water

ELEVATED DETECTION LIMITS FOR ALL VOLATILE COMPOUNDS DUE TO FOAMING SAMPLE MATRIX.

** END OF REPORT **

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 10/1/2008 Lims Bat # : LIMT-19963

QC Batch Number: BATCH-15214

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B38750					
	Silver	Sample Amount	2.99	ug/L	
		Duplicate Value	3.07	ug/L	
		Duplicate RPD	2.81	%	0-20
		Sample Amount	2.99	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	533.50	ug/L	
		Matrix Spike % Rec.	106.10	%	75-125
	Arsenic	Sample Amount	4.31	ug/L	
		Duplicate Value	4.27	ug/L	
		Duplicate RPD	1.07	%	0-20
		Sample Amount	4.31	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	598.90	ug/L	
		Matrix Spike % Rec.	118.91	%	75-125
	Barium	Sample Amount	<250.	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	834.10	ug/L	
		Matrix Spike % Rec.	166.82	%	75-125
	Beryllium	Sample Amount	<2.00	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	556.50	ug/L	
		Matrix Spike % Rec.	111.30	%	75-125
	Cadmium	Sample Amount	1003.50	ug/L	
		Duplicate Value	1085.00	ug/L	
		Duplicate RPD	7.80	%	0-20
		Sample Amount	1003.50	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	1498.00	ug/L	
		Matrix Spike % Rec.	98.90	%	75-125
	Chromium	Sample Amount	423.70	ug/L	
		Duplicate Value	442.55	ug/L	
		Duplicate RPD	4.35	%	0-20
		Sample Amount	423.70	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	845.50	ug/L	
		Matrix Spike % Rec.	84.36	%	75-125
	Copper	Sample Amount	1042.00	ug/L	
		Duplicate Value	1037.50	ug/L	
		Duplicate RPD	0.43	%	0-20
		Sample Amount	1042.00	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	1487.00	ug/L	
		Matrix Spike % Rec.	89.00	%	75-125

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: BATCH-15214

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B38750					
	Nickel	Sample Amount	584.50	ug/L	
		Duplicate Value	607.50	ug/L	
		Duplicate RPD	3.85	%	0-20
		Sample Amount	584.50	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	1039.50	ug/L	
		Matrix Spike % Rec.	91.00	%	75-125
	Lead	Sample Amount	254.40	ug/L	
		Duplicate Value	271.30	ug/L	
		Duplicate RPD	6.42	%	0-20
		Sample Amount	254.40	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	832.60	ug/L	
		Matrix Spike % Rec.	115.64	%	75-125
	Antimony	Sample Amount	20.92	ug/L	
		Duplicate Value	22.69	ug/L	
		Duplicate RPD	8.11	%	0-20
		Sample Amount	20.92	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	622.40	ug/L	
		Matrix Spike % Rec.	120.29	%	75-125
	Selenium	Sample Amount	<25.0	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	557.79	ug/L	
		Matrix Spike % Rec.	111.56	%	75-125
	Thallium	Sample Amount	1.18	ug/L	
		Duplicate Value	<1.00	ug/L	
		Duplicate RPD	>16.8	%	0-20
		Sample Amount	1.18	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	540.50	ug/L	
		Matrix Spike % Rec.	107.86	%	75-125
	Vanadium	Sample Amount	<25.0	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	603.20	ug/L	
		Matrix Spike % Rec.	120.64	%	75-125
	Zinc	Sample Amount	1415.00	ug/L	
		Duplicate Value	1428.00	ug/L	
		Duplicate RPD	0.91	%	0-20
		Sample Amount	1415.00	ug/L	
		Matrix Spk Amt Added	500.00	ug/L	
		MS Amt Measured	1916.50	ug/L	
		Matrix Spike % Rec.	100.30	%	75-125

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: BATCH-15214

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-124476					
	Silver	Blank	<2.50	ug/L	
	Arsenic	Blank	<2.00	ug/L	
	Barium	Blank	<250.	ug/L	
	Beryllium	Blank	<2.00	ug/L	
	Cadmium	Blank	<2.50	ug/L	
	Chromium	Blank	<50.0	ug/L	
	Copper	Blank	<25.0	ug/L	
	Nickel	Blank	<25.0	ug/L	
	Lead	Blank	<5.00	ug/L	
	Antimony	Blank	<5.00	ug/L	
	Selenium	Blank	<25.0	ug/L	
	Thallium	Blank	<1.00	ug/L	
	Vanadium	Blank	<25.0	ug/L	
	Zinc	Blank	<100.	ug/L	
LFBLANK-86245					
	Silver	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	434.40	ug/L	
		Lab Fort Blk. % Rec.	86.88	%	80-120
	Arsenic	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	572.90	ug/L	
		Lab Fort Blk. % Rec.	114.58	%	80-120
	Barium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	563.20	ug/L	
		Lab Fort Blk. % Rec.	112.64	%	80-120
	Beryllium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	560.70	ug/L	
		Lab Fort Blk. % Rec.	112.14	%	80-120
	Cadmium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	572.20	ug/L	
		Lab Fort Blk. % Rec.	114.44	%	80-120
	Chromium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	535.90	ug/L	
		Lab Fort Blk. % Rec.	107.18	%	80-120
	Copper	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	548.70	ug/L	
		Lab Fort Blk. % Rec.	109.74	%	80-120
	Nickel	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	547.90	ug/L	
		Lab Fort Blk. % Rec.	109.58	%	80-120
	Lead	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	538.60	ug/L	
		Lab Fort Blk. % Rec.	107.72	%	80-120
	Antimony	Lab Fort Blank Amt.	500.00	ug/L	

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Method Blanks

QC Batch Number: BATCH-15214

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-86245					
	Antimony	Lab Fort Blk. Found	585.79	ug/L	
		Lab Fort Blk. % Rec.	117.16	%	80-120
	Selenium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	563.10	ug/L	
		Lab Fort Blk. % Rec.	112.62	%	80-120
	Thallium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	518.60	ug/L	
		Lab Fort Blk. % Rec.	103.72	%	80-120
	Vanadium	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	543.10	ug/L	
		Lab Fort Blk. % Rec.	108.62	%	80-120
	Zinc	Lab Fort Blank Amt.	500.00	ug/L	
		Lab Fort Blk. Found	606.10	ug/L	
		Lab Fort Blk. % Rec.	121.22	%	80-120

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QC Batch Number: CYANIDE-3050

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-124243					
	Cyanide	Blank	<0.010	mg/l	
LFBLANK-86004					
	Cyanide	Lab Fort Blank Amt.	0.687	mg/l	
		Lab Fort Blk. Found	0.662	mg/l	
		Lab Fort Blk. % Rec.	96.360	%	
		Dup Lab Fort Bl Amt.	0.687	mg/l	
		Dup Lab Fort Bl. Fnd	0.664	mg/l	
		Dup Lab Fort Bl %Rec	96.652	%	
		Lab Fort Blank Range	0.291	units	
		Lab Fort Bl. Av. Rec	96.506	%	
		LFB Duplicate RPD	0.301	%	

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QC Batch Number: GCMS/VOL-20506

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B38750					
	1,2-Dichloroethane-d4	Surrogate Recovery	100.9	%	70-130
	Toluene-d8	Surrogate Recovery	99.0	%	70-130
	Bromofluorobenzene	Surrogate Recovery	96.5	%	70-130
08B38751					
	1,2-Dichloroethane-d4	Surrogate Recovery	101.0	%	70-130
	Toluene-d8	Surrogate Recovery	100.4	%	70-130
	Bromofluorobenzene	Surrogate Recovery	97.1	%	70-130
08B38752					
	1,2-Dichloroethane-d4	Surrogate Recovery	98.9	%	70-130
	Toluene-d8	Surrogate Recovery	98.3	%	70-130
	Bromofluorobenzene	Surrogate Recovery	97.7	%	70-130
BLANK-124357					
	Acetone	Blank	<5.0	ug/l	
	Benzene	Blank	<0.5	ug/l	
	Carbon Tetrachloride	Blank	<0.5	ug/l	
	Chloroform	Blank	<0.5	ug/l	
	1,2-Dichloroethane	Blank	<0.5	ug/l	
	1,4-Dichlorobenzene	Blank	<0.5	ug/l	
	Ethyl Benzene	Blank	<0.5	ug/l	
	2-Butanone (MEK)	Blank	<2.0	ug/l	
	MIBK	Blank	<2.0	ug/l	
	Naphthalene	Blank	<1.0	ug/l	
	Styrene	Blank	<1.0	ug/l	
	Tetrachloroethylene	Blank	<0.5	ug/l	
	Toluene	Blank	<0.5	ug/l	
	1,1,1-Trichloroethane	Blank	<0.5	ug/l	
	Trichloroethylene	Blank	<0.5	ug/l	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.5	ug/l	
	Trichlorofluoromethane	Blank	<0.5	ug/l	
	o-Xylene	Blank	<0.5	ug/l	
	m + p Xylene	Blank	<1.0	ug/l	
	1,2-Dichlorobenzene	Blank	<0.5	ug/l	
	1,3-Dichlorobenzene	Blank	<0.5	ug/l	
	1,1-Dichloroethane	Blank	<0.5	ug/l	
	1,1-Dichloroethylene	Blank	<0.5	ug/l	
	1,4-Dioxane	Blank	<50.0	ug/l	
	MTBE	Blank	<0.5	ug/l	
	trans-1,2-Dichloroethylene	Blank	<0.5	ug/l	
	Vinyl Chloride	Blank	<0.5	ug/l	
	Methylene Chloride	Blank	<0.5	ug/l	
	Chlorobenzene	Blank	<0.5	ug/l	
	Chloromethane	Blank	<0.5	ug/l	
	Bromomethane	Blank	<2.0	ug/l	

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Method Blanks

QC Batch Number: GCMS/VOL-20506

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-124357					
	Chloroethane	Blank	<1.0	ug/l	
	cis-1,3-Dichloropropene	Blank	<1.0	ug/l	
	trans-1,3-Dichloropropene	Blank	<1.0	ug/l	
	Chlorodibromomethane	Blank	<0.5	ug/l	
	1,1,2-Trichloroethane	Blank	<0.5	ug/l	
	Bromoform	Blank	<1.0	ug/l	
	1,1,2,2-Tetrachloroethane	Blank	<0.5	ug/l	
	2-Chlorotoluene	Blank	<0.5	ug/l	
	Hexachlorobutadiene	Blank	<0.4	ug/l	
	Isopropylbenzene	Blank	<0.5	ug/l	
	p-Isopropyltoluene	Blank	<0.5	ug/l	
	n-Propylbenzene	Blank	<0.5	ug/l	
	sec-Butylbenzene	Blank	<0.5	ug/l	
	tert-Butylbenzene	Blank	<0.5	ug/l	
	1,2,3-Trichlorobenzene	Blank	<0.5	ug/l	
	1,2,4-Trichlorobenzene	Blank	<0.5	ug/l	
	1,2,4-Trimethylbenzene	Blank	<0.5	ug/l	
	1,3,5-Trimethylbenzene	Blank	<0.5	ug/l	
	Dibromomethane	Blank	<0.5	ug/l	
	cis-1,2-Dichloroethylene	Blank	<0.5	ug/l	
	4-Chlorotoluene	Blank	<0.5	ug/l	
	1,1-Dichloropropene	Blank	<0.5	ug/l	
	1,2-Dichloropropane	Blank	<0.5	ug/l	
	1,3-Dichloropropane	Blank	<0.5	ug/l	
	2,2-Dichloropropane	Blank	<0.5	ug/l	
	1,1,1,2-Tetrachloroethane	Blank	<1.0	ug/l	
	1,2,3-Trichloropropane	Blank	<0.5	ug/l	
	n-Butylbenzene	Blank	<0.5	ug/l	
	Dichlorodifluoromethane	Blank	<0.5	ug/l	
	Bromochloromethane	Blank	<0.5	ug/l	
	Bromobenzene	Blank	<0.5	ug/l	
	Acrylonitrile	Blank	<2.0	ug/l	
	Carbon Disulfide	Blank	<0.5	ug/l	
	2-Hexanone	Blank	<2.0	ug/l	
	trans-1,4-Dichloro-2-Butene	Blank	<1.0	ug/l	
	Diethyl Ether	Blank	<0.5	ug/l	
	Bromodichloromethane	Blank	<0.5	ug/l	
	1,2-Dibromo-3-Chloropropane	Blank	<1.0	ug/l	
	1,2-Dibromoethane	Blank	<0.50	ug/l	
	Tetrahydrofuran	Blank	<5.0	ug/l	
	tert-Butyl Alcohol	Blank	<5.0	ug/l	
	Diisopropyl Ether	Blank	<0.5	ug/l	
	tert-Butylethyl Ether	Blank	<0.5	ug/l	

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QC Batch Number: GCMS/VOL-20506

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-124357					
	tert-Amylmethyl Ether	Blank	<0.5	ug/l	
LFBLANK-86123					
	Acetone	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	153.7	ug/l	
		Lab Fort Blk. % Rec.	153.7	%	70-160
	Benzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
		Lab Fort Blk. % Rec.	94.0	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.5	ug/l	
		Lab Fort Blk. % Rec.	95.5	%	70-130
	Chloroform	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.2	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.6	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.1	%	70-130
	Ethyl Benzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.3	ug/l	
		Lab Fort Blk. % Rec.	103.4	%	70-130
	2-Butanone (MEK)	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	114.2	ug/l	
		Lab Fort Blk. % Rec.	114.2	%	40-160
	MIBK	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	102.8	ug/l	
		Lab Fort Blk. % Rec.	102.8	%	70-160
	Naphthalene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.5	ug/l	
		Lab Fort Blk. % Rec.	95.8	%	40-130
	Styrene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.5	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.8	ug/l	
		Lab Fort Blk. % Rec.	108.7	%	70-160
	Toluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.4	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	

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Method Blanks

QC Batch Number: GCMS/VOL-20506

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-86123					
	1,1,1-Trichloroethane	Lab Fort Blk. % Rec.	105.2	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.0	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.4	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.3	ug/l	
		Lab Fort Blk. % Rec.	93.1	%	70-130
	o-Xylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.4	%	70-130
	m + p Xylene	Lab Fort Blank Amt.	20.0	ug/l	
		Lab Fort Blk. Found	21.7	ug/l	
		Lab Fort Blk. % Rec.	108.7	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.8	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.5	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.7	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.2	ug/l	
		Lab Fort Blk. % Rec.	92.9	%	70-130
	1,4-Dioxane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	92.7	ug/l	
		Lab Fort Blk. % Rec.	92.7	%	40-130
	MTBE	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.4	%	70-130
	trans-1,2-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.2	ug/l	
		Lab Fort Blk. % Rec.	92.5	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.0	ug/l	
		Lab Fort Blk. % Rec.	70.4	%	40-160
	Methylene Chloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.4	ug/l	
		Lab Fort Blk. % Rec.	84.5	%	70-130

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-86123					
	Chlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.6	%	70-130
	Chloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.0	ug/l	
		Lab Fort Blk. % Rec.	80.6	%	40-160
	Bromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	6.4	ug/l	
		Lab Fort Blk. % Rec.	64.5	%	40-160
	Chloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.3	ug/l	
		Lab Fort Blk. % Rec.	93.4	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.3	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.7	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.9	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.6	%	70-130
	Bromoform	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.8	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.4	%	70-130
	2-Chlorotoluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.8	ug/l	
		Lab Fort Blk. % Rec.	108.7	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.2	%	70-130
	Isopropylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.3	ug/l	
		Lab Fort Blk. % Rec.	113.5	%	70-130
	p-Isopropyltoluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.4	ug/l	
		Lab Fort Blk. % Rec.	104.4	%	70-130
	n-Propylbenzene	Lab Fort Blank Amt.	10.0	ug/l	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-86123					
	n-Propylbenzene	Lab Fort Blk. Found	11.1	ug/l	
		Lab Fort Blk. % Rec.	111.5	%	70-130
	sec-Butylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.4	ug/l	
		Lab Fort Blk. % Rec.	104.7	%	70-130
	tert-Butylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.4	ug/l	
		Lab Fort Blk. % Rec.	104.9	%	70-130
	1,2,3-Trichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	
		Lab Fort Blk. % Rec.	105.1	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.3	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.3	ug/l	
		Lab Fort Blk. % Rec.	103.8	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.8	ug/l	
		Lab Fort Blk. % Rec.	108.7	%	70-130
	Dibromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.4	ug/l	
		Lab Fort Blk. % Rec.	104.1	%	70-130
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.5	ug/l	
		Lab Fort Blk. % Rec.	95.8	%	70-130
	4-Chlorotoluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.9	ug/l	
		Lab Fort Blk. % Rec.	109.9	%	70-130
	1,1-Dichloropropene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.9	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	
		Lab Fort Blk. % Rec.	105.6	%	70-130
	1,3-Dichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.1	%	70-130
	2,2-Dichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.2	ug/l	
		Lab Fort Blk. % Rec.	112.4	%	40-130
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/VOL-20506

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-86123					
	1,1,1,2-Tetrachloroethane	Lab Fort Blk. % Rec.	99.9	%	70-130
	1,2,3-Trichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.1	ug/l	
		Lab Fort Blk. % Rec.	91.4	%	70-130
	n-Butylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.4	ug/l	
		Lab Fort Blk. % Rec.	104.0	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	6.3	ug/l	
		Lab Fort Blk. % Rec.	63.8	%	40-160
	Bromochloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.0	%	70-130
	Bromobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.8	%	70-130
	Acrylonitrile	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.5	ug/l	
		Lab Fort Blk. % Rec.	95.1	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.5	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	115.4	ug/l	
		Lab Fort Blk. % Rec.	115.4	%	70-160
	trans-1,4-Dichloro-2-Butene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.3	ug/l	
		Lab Fort Blk. % Rec.	93.8	%	70-130
	Diethyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.7	%	70-130
	Bromodichloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.4	%	70-130
	1,2-Dibromo-3-Chloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.4	ug/l	
		Lab Fort Blk. % Rec.	84.2	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	10.00	ug/l	
		Lab Fort Blk. Found	10.55	ug/l	
		Lab Fort Blk. % Rec.	105.50	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.8	ug/l	
		Lab Fort Blk. % Rec.	88.8	%	70-130

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/VOL-20506

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-86123					
	tert-Butyl Alcohol	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	96.2	ug/l	
		Lab Fort Blk. % Rec.	96.2	%	40-160
	Diisopropyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.3	%	70-130
	tert-Butylethyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.6	ug/l	
		Lab Fort Blk. % Rec.	106.1	%	70-160
	tert-Amylmethyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.5	%	70-130

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: HG-9491

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-124431					
	Mercury	Blank	<0.00010	mg/l	
LFBLANK-86196					
	Mercury	Lab Fort Blank Amt.	0.00200	mg/l	
		Lab Fort Blk. Found	0.00183	mg/l	
		Lab Fort Blk. % Rec.	91.70000	%	85-115

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QC SUMMARY REPORT

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BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory ***Client:*** Metcalf & Eddy

Project Location: 80 Hastings ST Bridgeport ***Project Number:*** 19963

Laboratory Sample ID(s): 08B34750-08B38795 ***Sampling Date(s):*** 9/23/08

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8260, 6020, 7471, 9014

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

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

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

Authorized Signature: Douglas Sheeley **Position: Laboratory Manager**

Printed Name: Douglas Sheeley **Date:** 10/17/08

Name of Laboratory: CON-TEST ANALYTICAL LABORATORY

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

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

Limit 19463

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Company Name: METCALF & EDDY
Address: 860 NORTH MAIN ST EXT
WALLINGFORD CT 06492
Attention: LUCAS HELLERICH
Project Location: 80 HASTINGS ST BRIDGEPORT CT
Sampled By: D. SEREMET S. LISH

Telephone: (203) 269 7310
Project # 60045450.02
Client PO #

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☒WEBSITE CLIENT
Fax # :
Email:
Format: ☒EXCEL ☒PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab # 088	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	VOC	Cyanide	RSR 1 Smetals	# of containers	**Preservation	~Cont.Code
	MW	38750		9/23/08		X	GW	U	X			6	H	G
	MW-DUP	38751		10:40		X	GW		X			6	H	G
	MW	" "				X				X		2	X	P
	MW-DUP	" "				X				X		2	X	P
	MW	" "				X					X	3	N	P
	MW-DUP	" "		↓		X	↓	↓			X	3	N	P
	TRIP BLANK 092308	38B38752							X					

ANALYSIS REQUESTED

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

Client Comments:
Arsenic + thallium by Graphite furnace

Laboratory Comments: MW + MW DUP ARE ONLY SAMPLES Per Subcontract

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; **M** - Medium; **L** - Low; **C** - Clean; **U** - Unknown

Relinquished by: (signature)	Date/Time:
	9/24/08 [illegible]
Received by: (signature)	Date/Time:
	9/24/08 8 AM
Relinquished by: (signature)	Date/Time:
	9/24/08 1 PM
Received by: (signature) 4	Date/Time: 1345
	9/24/08

Turnaround **
☐ ~~7-Day~~ ~~5-Day~~
☐ 10-Day
☐ Other ____
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? RCP Required
GA GWPC
Data Enhancement Project/RCP? ~~☐~~ Y ☐ N
Special Requirements or DL's: RCP
GA GWPC

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

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East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: Metcalf + Eddy RECEIVED BY: KL DATE: 9/24/08

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No

Temperature °C by Temp blank 4°C Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes (No) Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic	4	Air Cassette	
40 mL Vial - type listed below	6	Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments: PH<2 +>12

40 mL vials: # HCl 6 # Methanol _____

Bisulfate _____ # DI Water _____ **Time and Date Frozen:** _____

Thiosulfate _____ Unpreserved _____

Do all samples have the proper pH: (Yes) No N/A